



Schemi elettrici

IT

Wiring diagrams

EN

Raccordements

FR

Elektrische Anschlüsse

DE

Esquemas eléctricos

ES

TRIFASE - THREE-PHASE- DREIPHASIGEN  
TRIPHASÉ - TRIFÁSICO

**WRL 025 ÷ 080H**

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|                                                       |           |           |                  |
|-------------------------------------------------------|-----------|-----------|------------------|
| POMPA TRIFASE                                         |           |           | WRL025<br>WRL030 |
| Quadro elettrico                                      |           | REV       |                  |
| cod.                                                  | 2E00921   | 1         |                  |
| cod.                                                  | 2E00921A  | 1         | A                |
| cod.                                                  | 2E00921M  | 1         | M                |
| cod.                                                  | 2E00921E  | 1         | E                |
|                                                       |           |           |                  |
| rif.                                                  | 2E00787_2 | 2E00857_3 |                  |
| lotto                                                 | nr.: XXXX |           |                  |
| VERS.                                                 |           |           |                  |
| SI SOFTSTARTER – SI MOTOPOMPE – X=VALVOLA ELETTRONICA |           |           |                  |

|                                     |                                        |                                     |                                     |                                     |                                           |                                     |                                            |
|-------------------------------------|----------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------|--------------------------------------------|
| <input type="checkbox"/>            | QUADRO DI SERIE                        | <input type="checkbox"/>            | Standard Board                      | <input type="checkbox"/>            | Tableau standard                          | <input type="checkbox"/>            | serienmäßig schalttafel                    |
| <input checked="" type="checkbox"/> | VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> | Version with Storage                | <input checked="" type="checkbox"/> | Version avec Stockage                     | <input checked="" type="checkbox"/> | Version mit Lagerung                       |
| <input checked="" type="checkbox"/> | VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> | Version with 2-way modulating valve | <input checked="" type="checkbox"/> | Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> | Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> | A + M                                  | <input checked="" type="checkbox"/> | A + M                               | <input checked="" type="checkbox"/> | A + M                                     | <input checked="" type="checkbox"/> | A + M                                      |

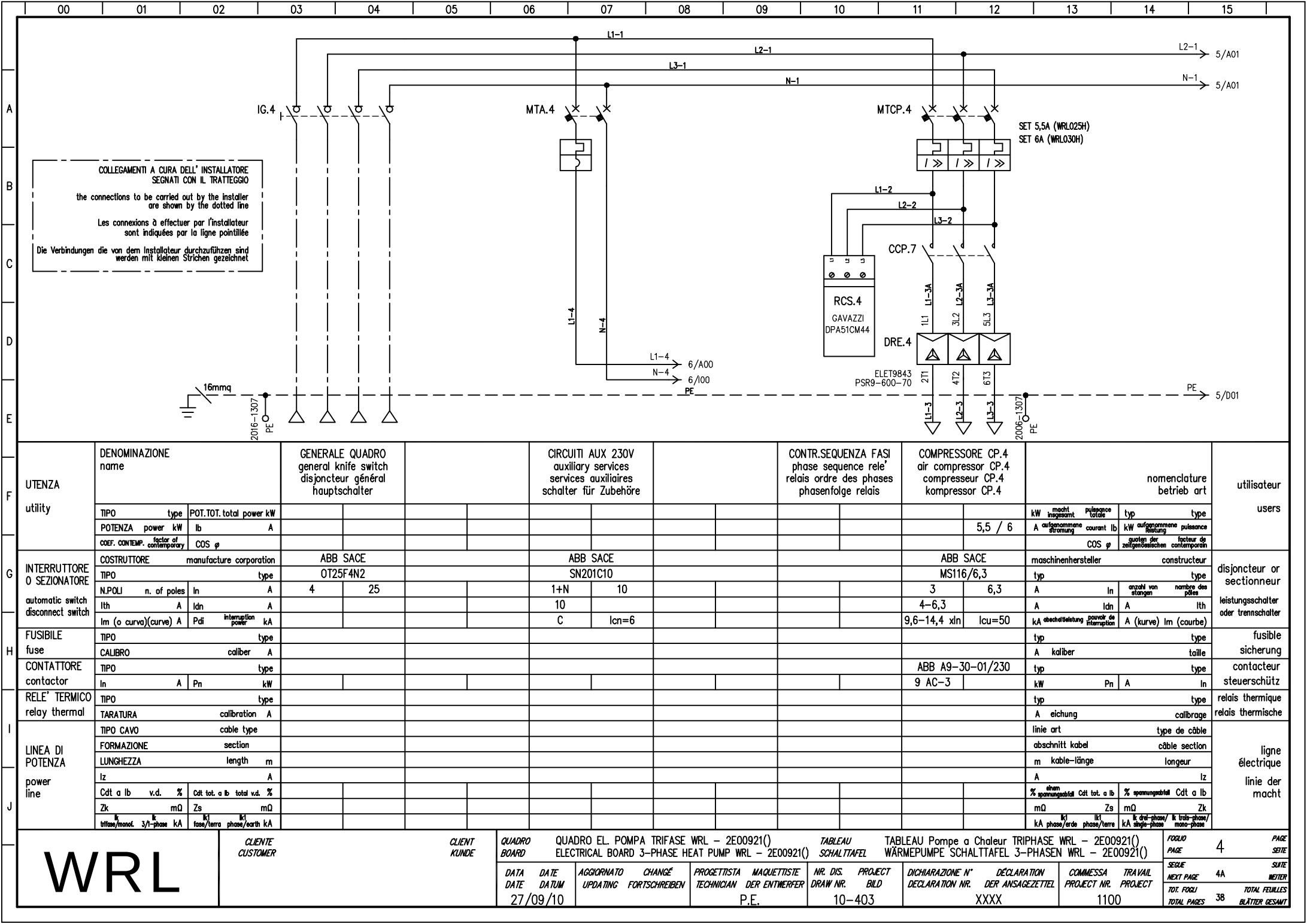
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|------------------------|--|---------------------|--|----------------------|-----------|
| WRL                    |  |                     |  |                      |           |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |           |
| COD. ARTICOLO          |  | Article Code        |  | 2E009210_01 03/03/11 |           |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE – 50 Hz 400V  |           |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V                    | 400 Hz 50 |
| POMPA DI CALORE WRL025 |  | Heat Pump WRL025    |  | A Max                | 9,5       |
| POMPA DI CALORE WRL030 |  | Heat Pump WRL030    |  | A Max                | 10        |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP                   | 2x        |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 |           |

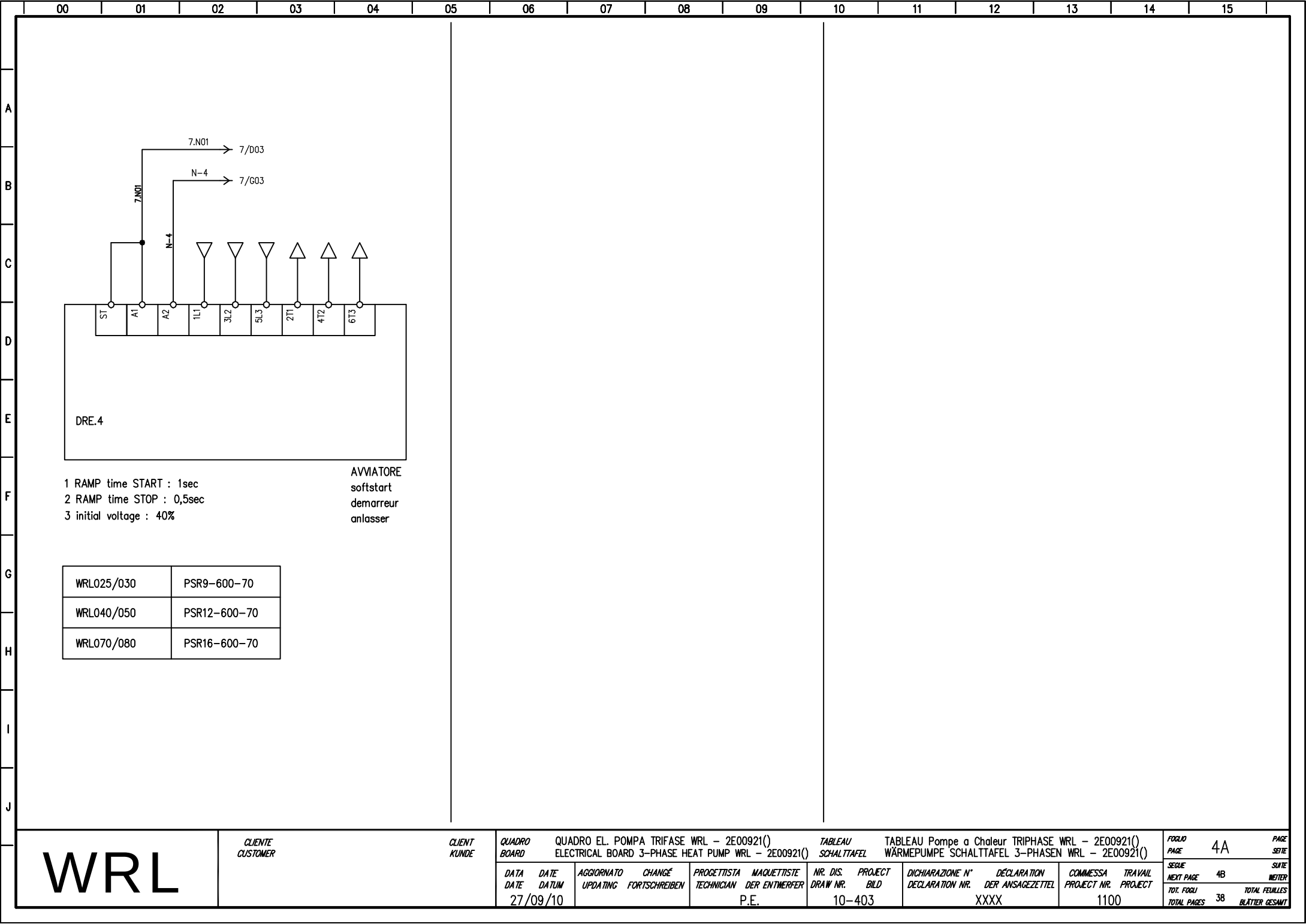
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| WRL                    |  |                     |  |                      |           |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |           |
| Code Article           |  | Artikelcode         |  | 2E009210_01 03/03/11 |           |
| Alimentation           |  | Stromversorgung     |  | 3/N/PE – 50 Hz 400V  |           |
| Tension Nominale       |  | Nennspannung        |  | V                    | 400 Hz 50 |
| Pompe a Chaleur WRL025 |  | Wärmepumpe WRL025   |  | A Max                | 9,5       |
| Pompe a Chaleur WRL030 |  | Wärmepumpe WRL030   |  | A Max                | 10        |
| Degré de protection    |  | Schutzgrad          |  | IP                   | 2x        |
| Note                   |  | Anmerkungen:        |  | XXXX                 |           |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTROLÉE     |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                                                                                                                                                      |                 |                                 |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------|------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.            | PROJECT<br>BILD              |
|                                                                                                                                                      |                 | 10-403                          |                              |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                    | DATE<br>DATUM                |
|                                                                                                                                                      |                 | 27/09/10                        |                              |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING          | CHANGE<br>FORTSCHREIBEN      |
| QUADRO<br>BOARD                                                                                                                                      |                 | COMMESSA<br>PROJECT NR.         | TRAVAIL<br>PROJECT           |
| 2E00921                                                                                                                                              |                 | 1100                            |                              |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 |                                 |                              |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN       | MAQUETTISTE<br>DER ENTWERFER |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION    |                              |
|                                                                                                                                                      |                 | DECLARATION<br>DER ANSAGEZETTEL |                              |
|                                                                                                                                                      |                 | XXXX                            |                              |

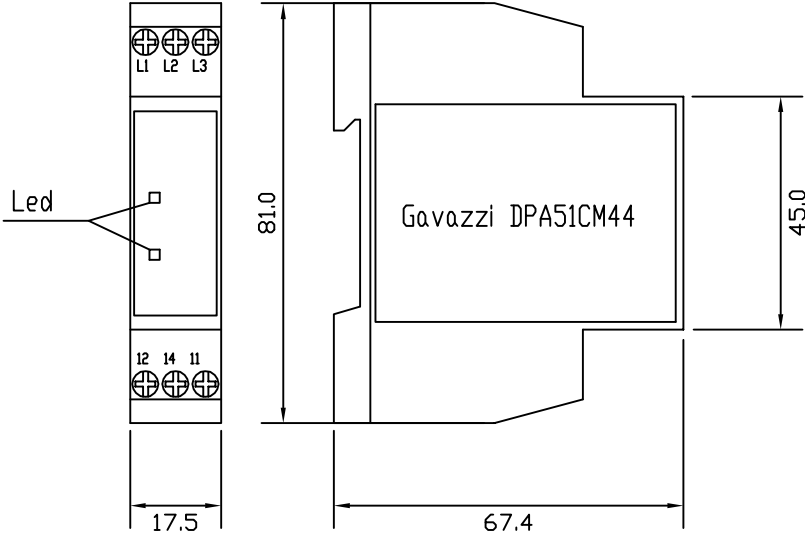






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alternative

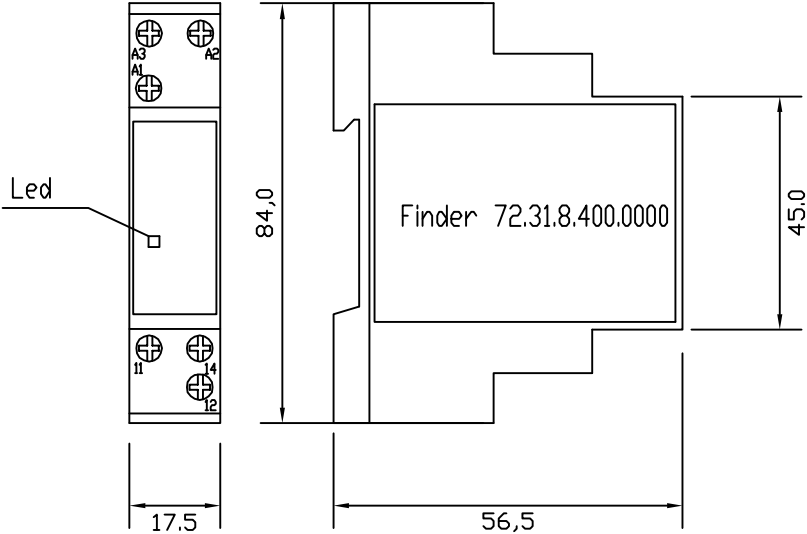
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L1 = L1  
L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

IN ALTERNATIVA  
alternative  
alternative  
alternative

Finder 72.31.8.400.0000  
A1 = L1  
A2 = L2  
A3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00921()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00921()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00921()

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DATA  
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27/09/10

AGGIORNATO  
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27/09/10

PROGETTISTA  
TECHNICIAN  
P.E.

MAQUETTISTE  
DER ENTWERFER  
P.E.

NR. DIS.  
DRAW NR.  
10-403

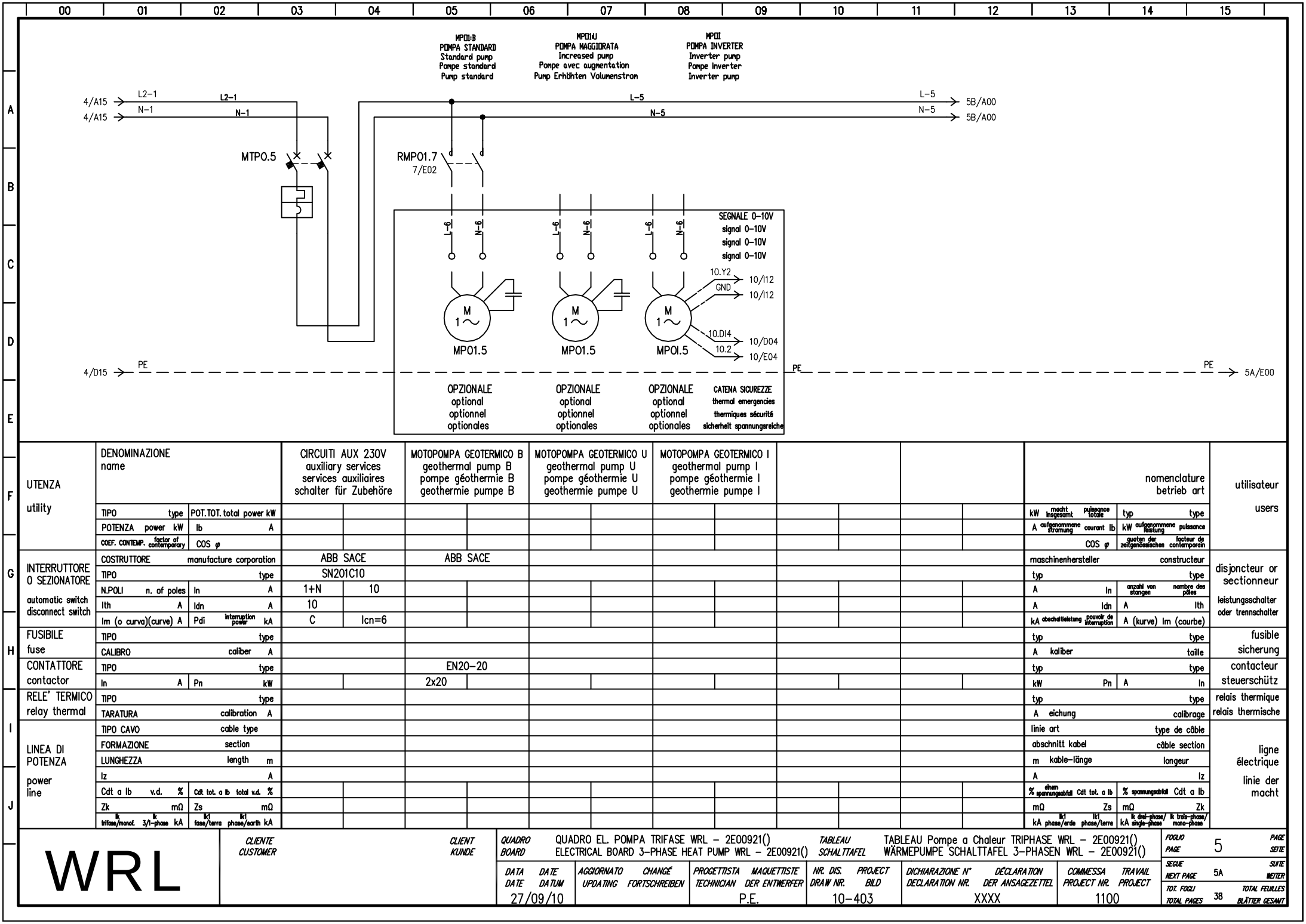
PROGETT  
BILD  
1100

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA  
PROJECT NR.  
1100

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5

SUITE  
METTER  
TOTAL FEUILLES  
BLATTIER GESAMT



|                                                                        |                                          |                               |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  |                                                                      |                                                              |                                                                          |
|------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------|
| UTENZA<br>utility                                                      | DENOMINAZIONE<br>name                    |                               | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |       | MOTOPOMPA GEOTERMICO B<br>geothermal pump B<br>pompe géothermie B<br>geothermie pompe B |  | MOTOPOMPA GEOTERMICO U<br>geothermal pump U<br>pompe géothermie U<br>geothermie pompe U |  | MOTOPOMPA GEOTERMICO I<br>geothermal pump I<br>pompe géothermie I<br>geothermie pompe I |  | nomenclature<br>betrieb art                                          |                                                              | utilisateurs<br>users                                                    |
|                                                                        | TIPO type                                | POT.TOT. total power kW       |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | kW mecht<br>insgesamt<br>puissance totale                            | typ type                                                     |                                                                          |
|                                                                        | POTENZA power kW                         | lb A                          |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | A aufgenommene<br>stromung<br>courant lb<br>aufgenommene<br>leistung | typ type                                                     |                                                                          |
|                                                                        | COEF. CONTEMP. factor of<br>contemporary | COS φ                         |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | COS φ                                                                | guoten der<br>zeitgenössischen<br>facteur de<br>contemporain |                                                                          |
| INTERRUTTORE<br>O SEZIONATORE<br>automatic switch<br>disconnect switch | COSTRUTTORE manufacture corporation      |                               | ABB SACE                                                                                 |       | ABB SACE                                                                                |  |                                                                                         |  |                                                                                         |  | maschinenhersteller<br>constructeur                                  |                                                              | disjoncteur or<br>sectionneur<br>leistungsschalter<br>oder trennschalter |
|                                                                        | TIPO type                                |                               | SN201C10                                                                                 |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | typ type                                                             |                                                              |                                                                          |
|                                                                        | N.POLI n. of poles                       | In A                          | 1+N                                                                                      | 10    |                                                                                         |  |                                                                                         |  |                                                                                         |  | A In                                                                 | anzahl von<br>strängen<br>nombre des<br>pôles                |                                                                          |
|                                                                        | lth A                                    | Idn A                         | 10                                                                                       |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | A Idn A                                                              | lth A                                                        |                                                                          |
| FUSIBILE<br>fuse                                                       | Im (o curva)(curve) A                    | Pdi interruption<br>power kA  | C                                                                                        | lcn=6 |                                                                                         |  |                                                                                         |  |                                                                                         |  | kA abschaltleistung<br>pourvoir de<br>interruption                   | A (kurve) Im (courbe)                                        | fusible<br>sicherung<br>contacteur<br>steuerschutz                       |
|                                                                        | TIPO type                                |                               |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | typ type                                                             |                                                              |                                                                          |
|                                                                        | CALIBRO caliber A                        |                               |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | A kaliber                                                            | taille                                                       |                                                                          |
|                                                                        | TIPO type                                |                               | EN20-20                                                                                  |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | typ type                                                             |                                                              |                                                                          |
| RELE' TERMICO<br>relay thermal                                         | In A                                     | Pn kW                         |                                                                                          |       | 2x20                                                                                    |  |                                                                                         |  |                                                                                         |  | kW Pn A                                                              | In                                                           | relais thermique<br>relais thermische                                    |
|                                                                        | TIPO type                                |                               |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | typ type                                                             |                                                              |                                                                          |
|                                                                        | TARATURA calibration A                   |                               |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | A eichung                                                            | calibrage                                                    |                                                                          |
|                                                                        | TIPO CAVO cable type                     |                               |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | linie art                                                            | type de câble                                                |                                                                          |
| LINEA DI<br>POTENZA<br>power<br>line                                   | FORMAZIONE section                       |                               |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | abschnitt kabel                                                      | câble section                                                | ligne<br>électrique<br>linie der<br>macht                                |
|                                                                        | LUNGHEZZA length m                       |                               |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | m kable-länge                                                        | longueur                                                     |                                                                          |
|                                                                        | Iz A                                     |                               |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | A                                                                    | Iz                                                           |                                                                          |
|                                                                        | Cdt a lb v.d. %                          | Cdt tot. a lb total v.d. %    |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | % shem<br>spannungsfaktor<br>Cdt tot. a lb                           | % spannungsfaktor<br>Cdt a lb                                |                                                                          |
|                                                                        | Zk mQ                                    | Zs mQ                         |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | mQ Zs                                                                | mQ Zk                                                        |                                                                          |
|                                                                        | Ik triphase/monof. 3/1-phase kA          | Ik1 fase/terro phase/earth kA |                                                                                          |       |                                                                                         |  |                                                                                         |  |                                                                                         |  | kA phase/erde phase/terre                                            | kA single-phase<br>mono-phase                                |                                                                          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00921()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921()

TAFEL  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00921()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00921()

FOLIO  
PAGE

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DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-403

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

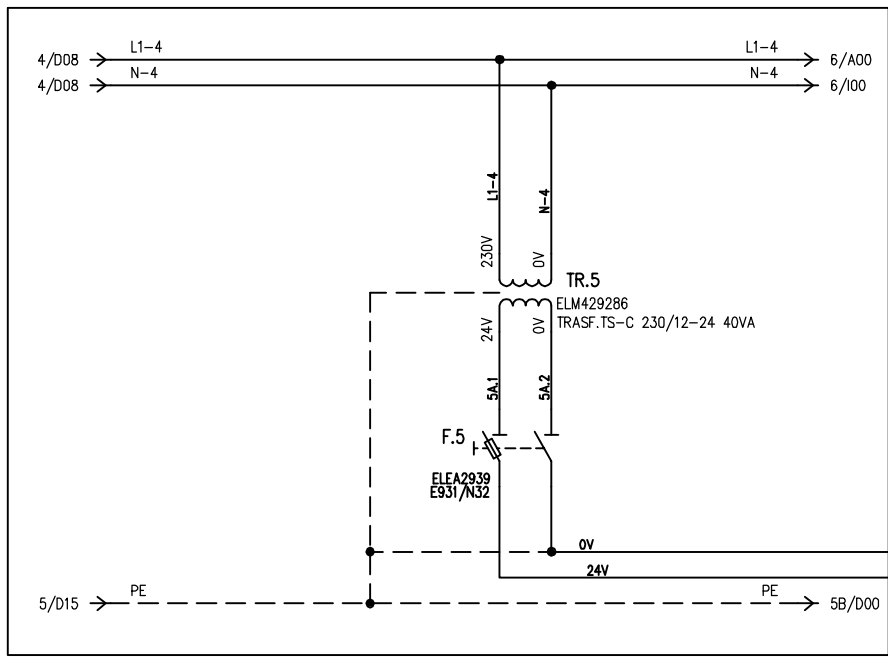
COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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TOTAL PAGES

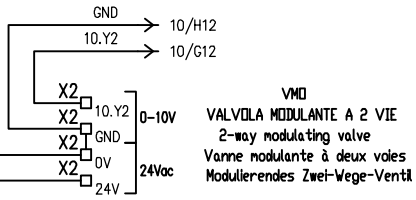
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SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT

A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |            | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |            |    |                 |    |    |               |    | nomenclature<br>betrieb art         |                          | utilisateur                      |                            |                          |                 |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|------------|----|-----------------|----|----|---------------|----|-------------------------------------|--------------------------|----------------------------------|----------------------------|--------------------------|-----------------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |            |                                                                                    |            |    |                 |    |    |               |    | kW                                  | macht<br>insgesamt       | puissance<br>totale              | typ                        | type                     |                 |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |            |                                                                                    |            |    |                 |    |    |               |    | A                                   | aufgenommene<br>stromung | courant lb                       | kW                         | aufgenommene<br>leistung | puissance       |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |            |                                                                                    |            |    |                 |    |    |               |    |                                     | COS φ                    | quoten der<br>zeitgleichzeitigen | facteur de<br>contemporain |                          |                 |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |            |                                                                                    |            |    |                 |    |    |               |    | maschinenhersteller<br>constructeur |                          | disjoncteur or<br>sectionneur    |                            |                          |                 |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |            |                                                                                    |            |    |                 |    |    |               |    | typ                                 |                          | type                             |                            |                          |                 |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N        |                                                                                    |            |    |                 |    |    |               |    | A                                   | In                       | anzahl von<br>stangen            | nombre des<br>pôles        |                          |                 |
|                                                                            | lth                                    | A                         | Idn                     | A                                                                                       |            |                                                                                    |            |    |                 |    |    |               |    | A                                   | Idn                      | A                                | lth                        |                          |                 |
| FUSIBILE<br>fuse                                                           | TIPO                                   |                           |                         | 10x38                                                                                   |            |                                                                                    |            |    |                 |    |    |               |    | typ                                 |                          | type                             |                            |                          |                 |
|                                                                            | CALIBRO                                |                           |                         | caliber A                                                                               |            | 2A gL                                                                              |            |    |                 |    |    |               |    | A                                   |                          | kaliber                          |                            | taille                   |                 |
| CONTATTORE<br>contactor                                                    | TIPO                                   |                           |                         | type                                                                                    |            |                                                                                    |            |    |                 |    |    |               |    | typ                                 |                          | type                             |                            |                          |                 |
|                                                                            | In                                     | A                         | Pn                      | kW                                                                                      |            |                                                                                    |            |    |                 |    |    |               |    | kW                                  | Pn                       | A                                | In                         |                          |                 |
| RELE' TERMICO<br>relay thermal                                             | TIPO                                   |                           |                         | type                                                                                    |            |                                                                                    |            |    |                 |    |    |               |    | typ                                 |                          | type                             |                            |                          |                 |
|                                                                            | TARATURA                               |                           |                         | calibration A                                                                           |            |                                                                                    |            |    |                 |    |    |               |    | A                                   |                          | eichung                          |                            | calibrage                |                 |
| LINEA DI<br>POTENZA<br><br>power line                                      | TIPO CAVO                              |                           |                         | cable type                                                                              |            |                                                                                    |            |    |                 |    |    |               |    | linie art                           |                          | type de câble                    |                            |                          |                 |
|                                                                            | FORMAZIONE                             |                           |                         | section                                                                                 |            |                                                                                    |            |    |                 |    |    |               |    | abschnitt kabel                     |                          | câble section                    |                            |                          |                 |
|                                                                            | LUNGHEZZA                              |                           |                         | length m                                                                                |            |                                                                                    |            |    |                 |    |    |               |    | m                                   |                          | kable-länge                      |                            | longueur                 |                 |
|                                                                            | Iz                                     |                           |                         | A                                                                                       |            |                                                                                    |            |    |                 |    |    |               |    | A                                   |                          | Iz                               |                            |                          |                 |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d. | %                                                                                  |            |    |                 |    |    |               |    |                                     | %<br>spannungsfaktor     | Cdt tot. a lb                    | %<br>spannungsfaktor       | Cdt a lb                 |                 |
|                                                                            | Zk                                     | mΩ                        |                         | Zs                                                                                      | mΩ         |                                                                                    |            |    |                 |    |    |               |    |                                     | mΩ                       | Zs                               | mΩ                         | Zk                       |                 |
|                                                                            | Ik                                     | trifase/mono.             | Ik                      | 3/1-phase                                                                               | kA         | Ik                                                                                 | fase/terra | Ik | 1/3-phase/earth | kA | Ik | trifase/mono. | Ik | 3/1-phase/earth                     | kA                       | Ik                               | trifase/mono.              | Ik                       | 3/1-phase/earth |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00921()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921()

TAFEL  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00921()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00921()

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UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTA  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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NEXT PAGE

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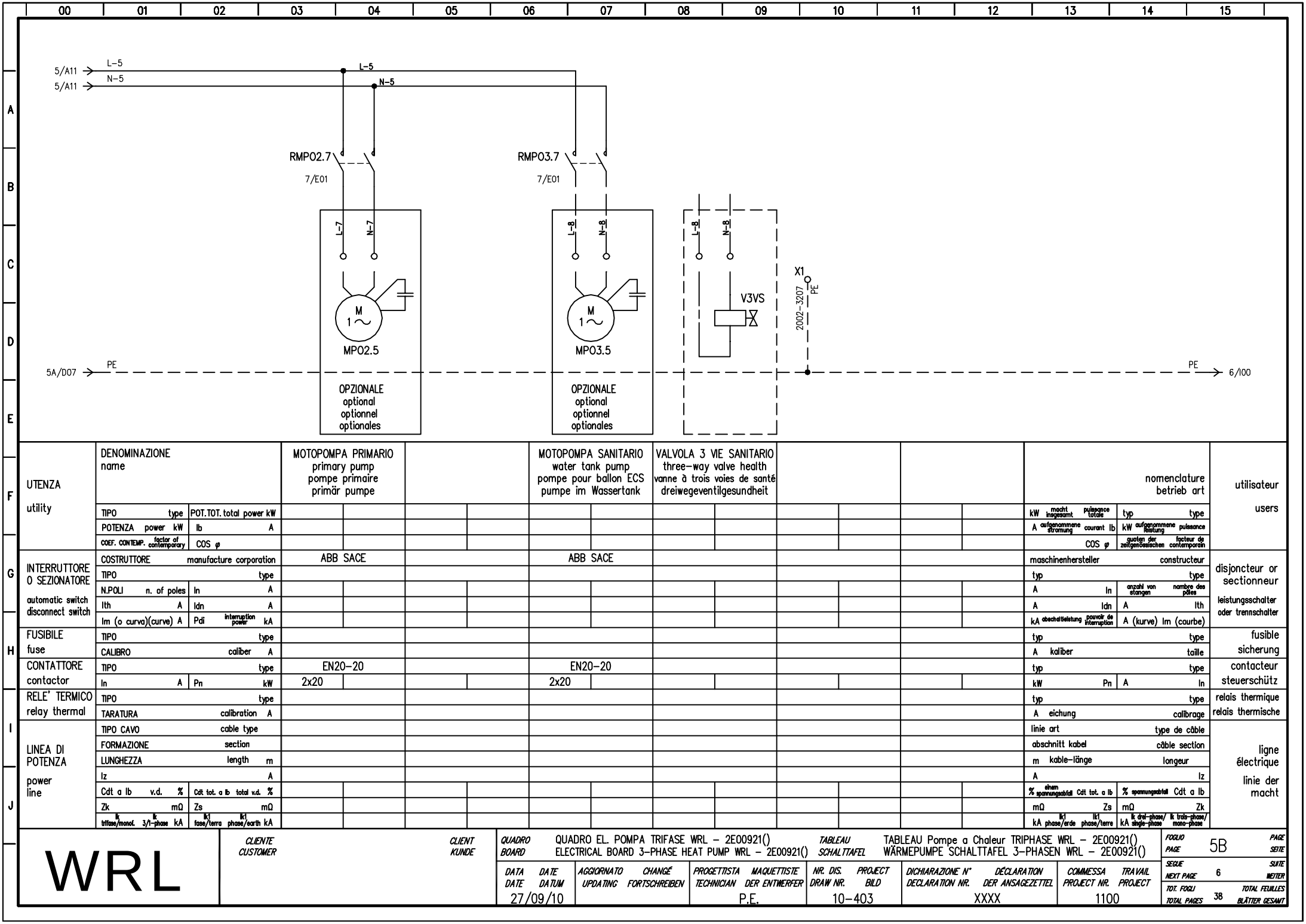
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27/09/10

P.E.

10-403

XXXX



|                                                                            |                                             |                                  |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       |                                              |                                                                   |                                                                                            |
|----------------------------------------------------------------------------|---------------------------------------------|----------------------------------|---------------------------------------------------------------------|----|--|--|----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|--|--|--|-------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                       |                                  | MOTOPOMPA PRIMARIO<br>primary pump<br>pompe primaire<br>primärpumpe |    |  |  | MOTOPOMPA SANITARIO<br>water tank pump<br>pompe pour ballon ECS<br>pumpe im Wassertank |  | VALVOLA 3 VIE SANITARIO<br>three-way valve health<br>vanne à trois voies de santé<br>dreiwegenventilgesundheit |  |  |  |  |                                                       | nomenclature<br>betrieb art                  |                                                                   | utilisateur<br><br>users                                                                   |
|                                                                            | TIPO<br>type                                | POT.TOT. total power kW          |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | kW<br>macht<br>puissance totale              | typ<br>type                                                       |                                                                                            |
|                                                                            | POTENZA<br>power kW                         | lb<br>A                          |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | A<br>aufgenommene<br>stromung                | lb<br>kW<br>aufgenommene<br>leistung                              |                                                                                            |
|                                                                            | COEF. CONTEMP.<br>factor of<br>contemporary | COS φ                            |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | COS φ                                        | qualità del<br>zeitgleichzeitigkeit<br>facteur de<br>contemporain |                                                                                            |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation      |                                  | ABB SACE                                                            |    |  |  | ABB SACE                                                                               |  |                                                                                                                |  |  |  |  |                                                       | maschinenhersteller<br>constructeur          |                                                                   | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter               |
|                                                                            | TIPO<br>type                                |                                  |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | typ<br>type                                  |                                                                   |                                                                                            |
|                                                                            | N.POLI<br>n. of poles                       | ln<br>A                          |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  | A<br>ln                                               | anzahl von<br>stangen<br>nombre des<br>pôles |                                                                   |                                                                                            |
|                                                                            | Ith<br>A                                    | Idn<br>A                         |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  | A<br>Idn                                              | A<br>Ith                                     |                                                                   |                                                                                            |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)<br>A                    | Pdi<br>kA                        |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  | kA<br>abschaltleistung<br>pourvoir de<br>interruption | A (kurve)<br>Im (courbe)                     |                                                                   |                                                                                            |
|                                                                            | TIPO<br>type                                |                                  |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | typ<br>type                                  |                                                                   |                                                                                            |
| CONTATTORE<br>contactor                                                    | CALIBRO<br>caliber                          | A                                |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | A<br>kaliber                                 | taille                                                            |                                                                                            |
|                                                                            | TIPO<br>type                                |                                  | EN20-20                                                             |    |  |  | EN20-20                                                                                |  |                                                                                                                |  |  |  |  |                                                       | typ<br>type                                  |                                                                   |                                                                                            |
| RELE' TERMICO<br>relay thermal                                             | ln<br>A                                     | Pn<br>kW                         | 2x20                                                                |    |  |  | 2x20                                                                                   |  |                                                                                                                |  |  |  |  | kW<br>Pn                                              | A<br>ln                                      |                                                                   |                                                                                            |
|                                                                            | TIPO<br>type                                |                                  |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | typ<br>type                                  |                                                                   |                                                                                            |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TARATURA<br>calibration                     | A                                |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | A<br>eichung                                 | calibrage                                                         | relais thermique<br>relais thermische<br><br>ligne<br>électrique<br><br>linie der<br>macht |
|                                                                            | TIPO CAVO<br>cable type                     |                                  |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | linie art<br>type de câble                   |                                                                   |                                                                                            |
|                                                                            | FORMAZIONE<br>section                       |                                  |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | abschnitt kabel<br>câble section             |                                                                   |                                                                                            |
|                                                                            | LUNGHEZZA<br>length                         | m                                |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | m<br>kable-länge                             | longueur                                                          |                                                                                            |
|                                                                            | Iz<br>A                                     |                                  |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  |                                                       | A<br>Iz                                      |                                                                   |                                                                                            |
|                                                                            | Cdt a lb<br>v.d.<br>%                       | Cdt tot. a lb<br>total v.d.<br>% |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  | %<br>spannungsfaktor                                  | Cdt tot. a lb<br>total v.d.<br>%             | %<br>spannungsfaktor                                              |                                                                                            |
|                                                                            | Zk<br>mQ                                    | Zs<br>mQ                         |                                                                     |    |  |  |                                                                                        |  |                                                                                                                |  |  |  |  | mQ<br>Zs                                              | mQ<br>Zk                                     |                                                                   |                                                                                            |
| lk<br>utilize/monof.<br>3/1-phase                                          | lk<br>kA                                    | lk1<br>fase/terro                | lk1<br>phase/earth                                                  | kA |  |  |                                                                                        |  |                                                                                                                |  |  |  |  | lk1<br>kA phase/terro                                 | lk1<br>kA phase/terro                        | lk1<br>kA phase/terro                                             |                                                                                            |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00921()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00921()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00921()

Foglio  
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DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DER ANSAGEZETTEL

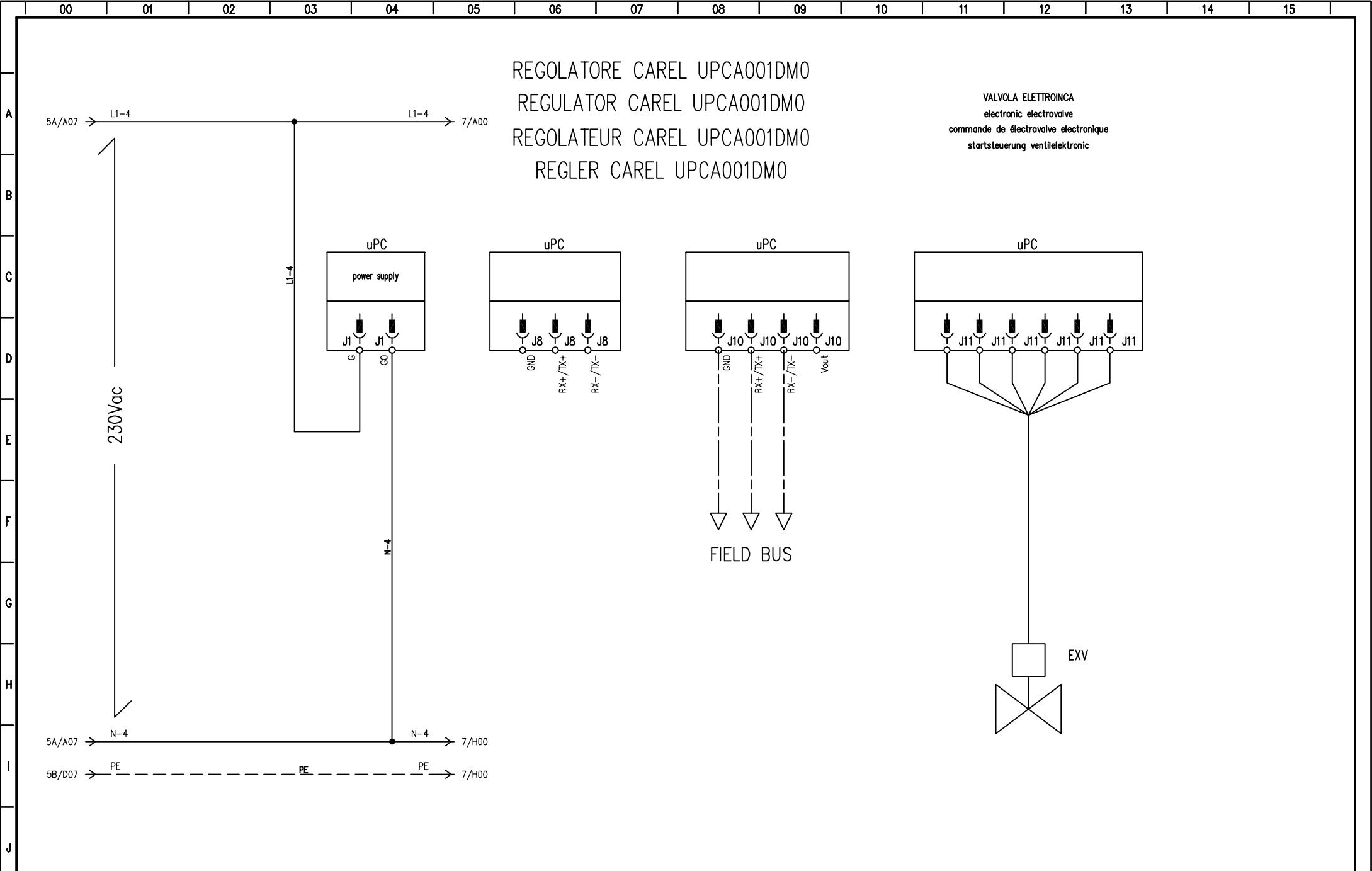
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PROJECT NR.

TRAVAIL  
PROJECT

TOT. FOGLI  
TOTAL PAGES

TOTAL FEUILLES  
BLATTIER GESAMT



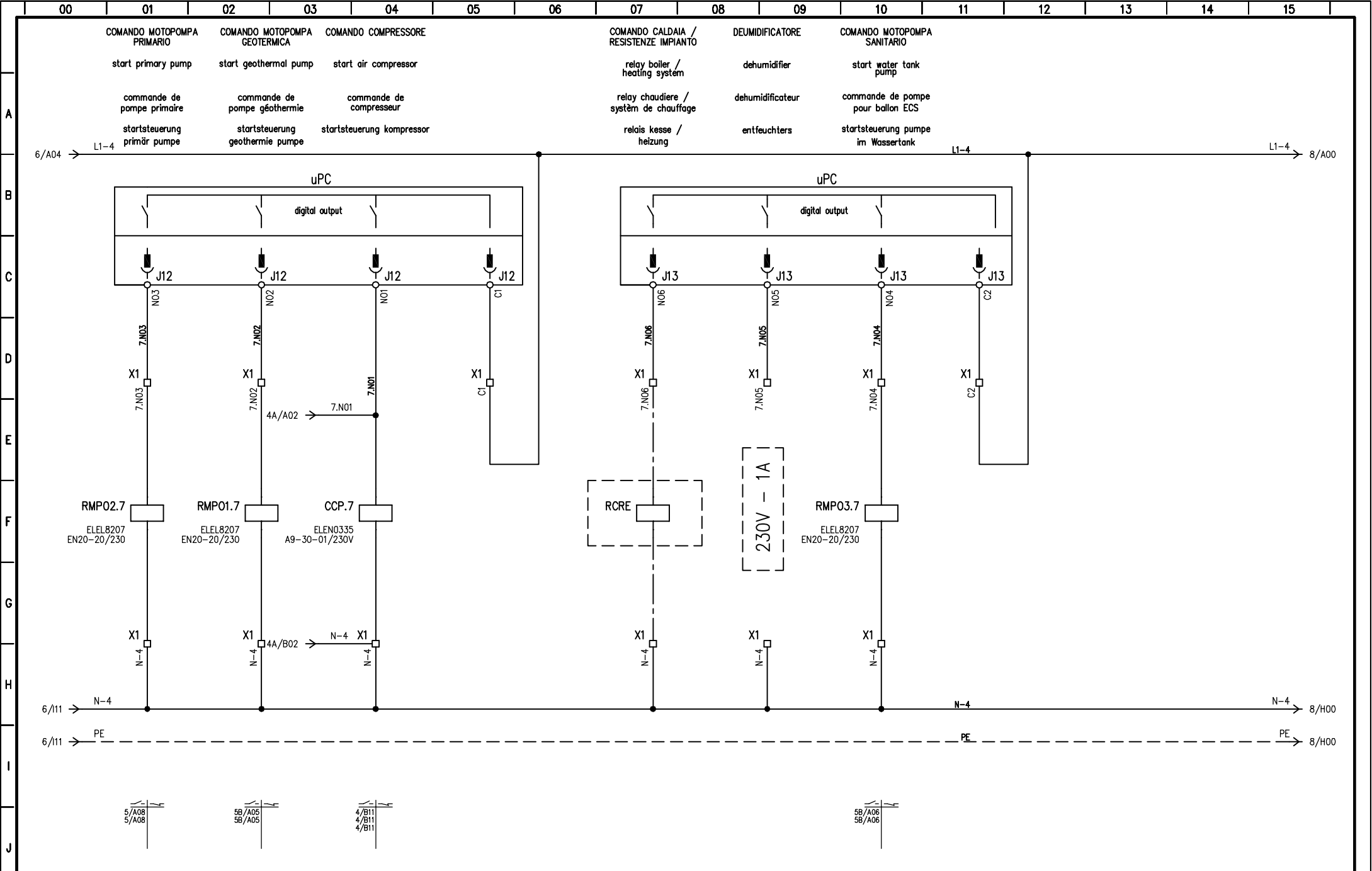


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |               |                        |                         |                                                                                                |                              |                       |                 |                                                                                                    |                                 |                           |                    |                                   |
|---------------------|---------------|------------------------|-------------------------|------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------|----------------------------------------------------------------------------------------------------|---------------------------------|---------------------------|--------------------|-----------------------------------|
| CLIENTE<br>CUSTOMER |               | CLIENT<br>KUNDE        |                         | QUADRO EL. POMPA TRIFASE WRL - 2E00921()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921() |                              | TABLEAU<br>SCHALTAFEL |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00921()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00921() |                                 | Foglio<br>PAGE            | 6                  | PAGE<br>SEITE                     |
| DATA<br>DATE        | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN                                                                      | MAQUETTISTA<br>DER ENTWERFER | NR. DIS.<br>DRAW NR.  | PROJECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR.   | TRAVAIL<br>PROJECT | SUITE<br>METER                    |
| 27/09/10            |               |                        |                         | P.E.                                                                                           |                              | 10-403                |                 | XXXX                                                                                               |                                 | 1100                      |                    | TOTAL FEUILLES<br>BLATTIER GESAMT |
|                     |               |                        |                         |                                                                                                |                              |                       |                 |                                                                                                    |                                 | TOT. FOGLI<br>TOTAL PAGES | 38                 |                                   |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00921()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921()

TABELEU  
SCHALTAFEL

TABELEU Pompe a Chaleur TRIPHASE WRL - 2E00921()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00921()

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CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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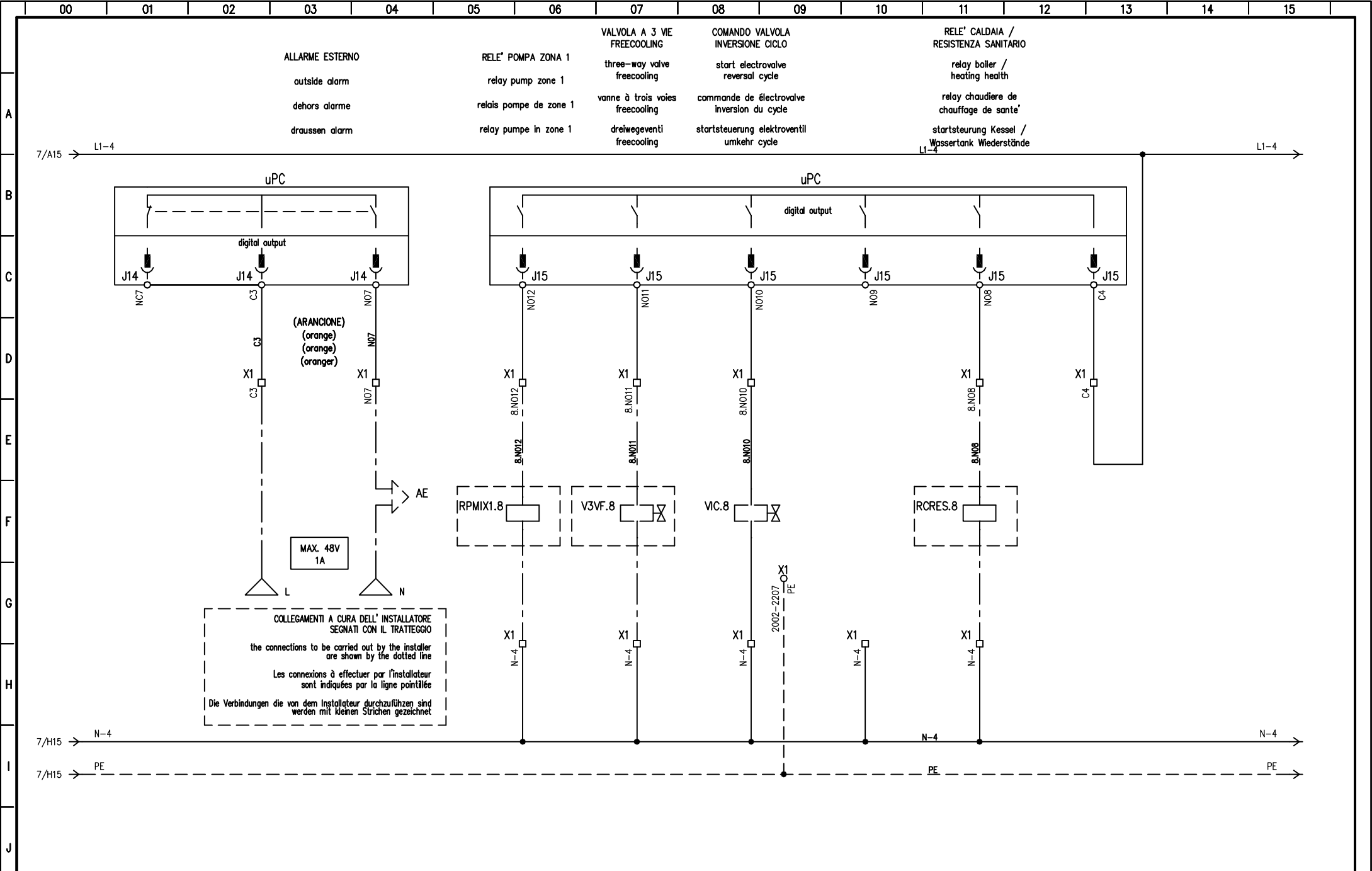
8

SUITE  
MEETER

TOT. FOLI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00921()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00921()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00921()

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DATE  
CHANGE  
DATUM  
FORTSCHREIBEN

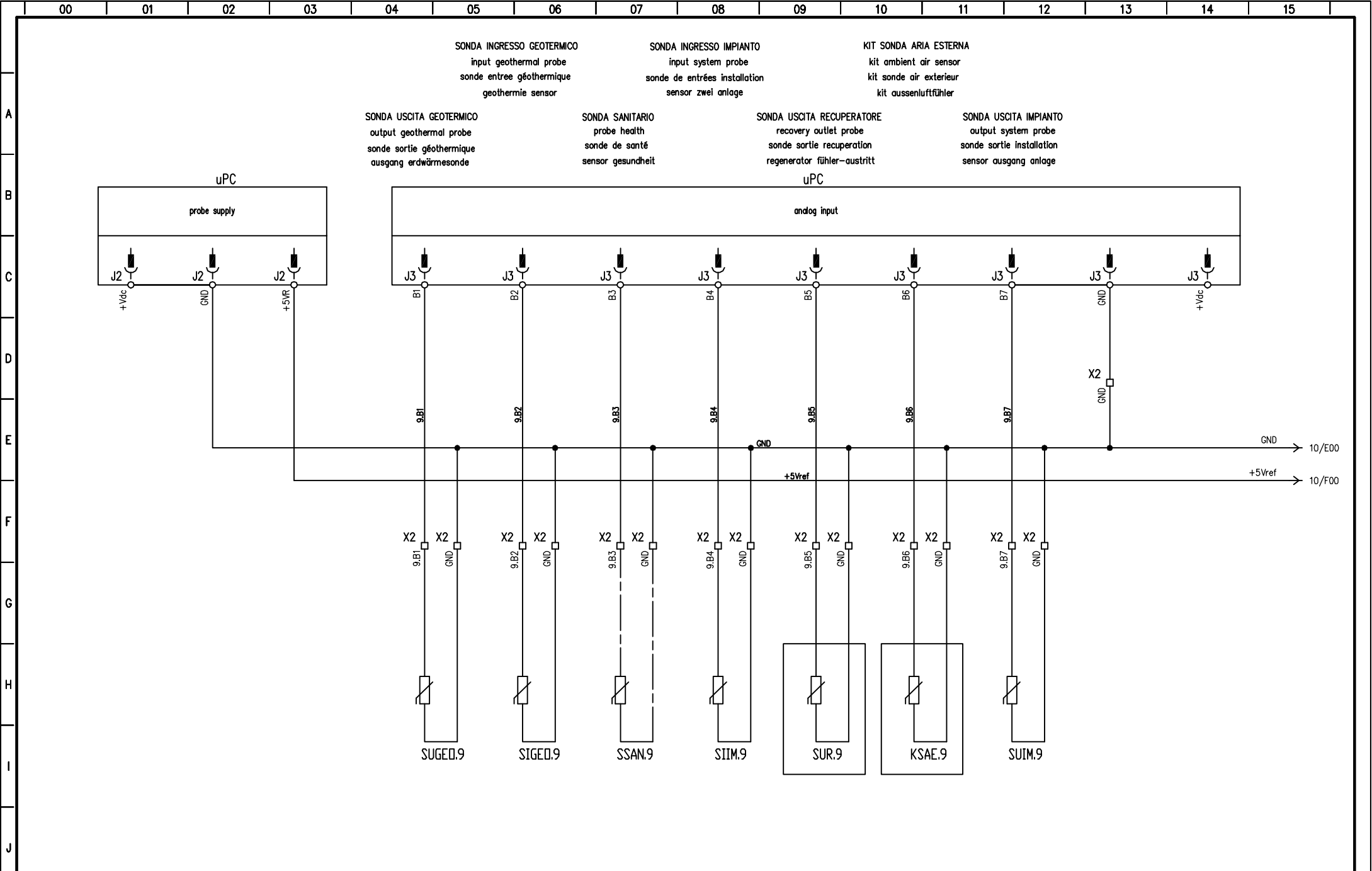
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DER ENTWERFER  
P.E.

NR. DIS.  
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DICHIARAZIONE N°  
DECLARATION NR.  
DÉCLARATION  
DER ANSAGEZETTEL  
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COMMESSA  
PROJECT NR.  
TRAVAIL  
PROJECT  
1100

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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00921()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00921()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00921()

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MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR. 10-403

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR. XXXX

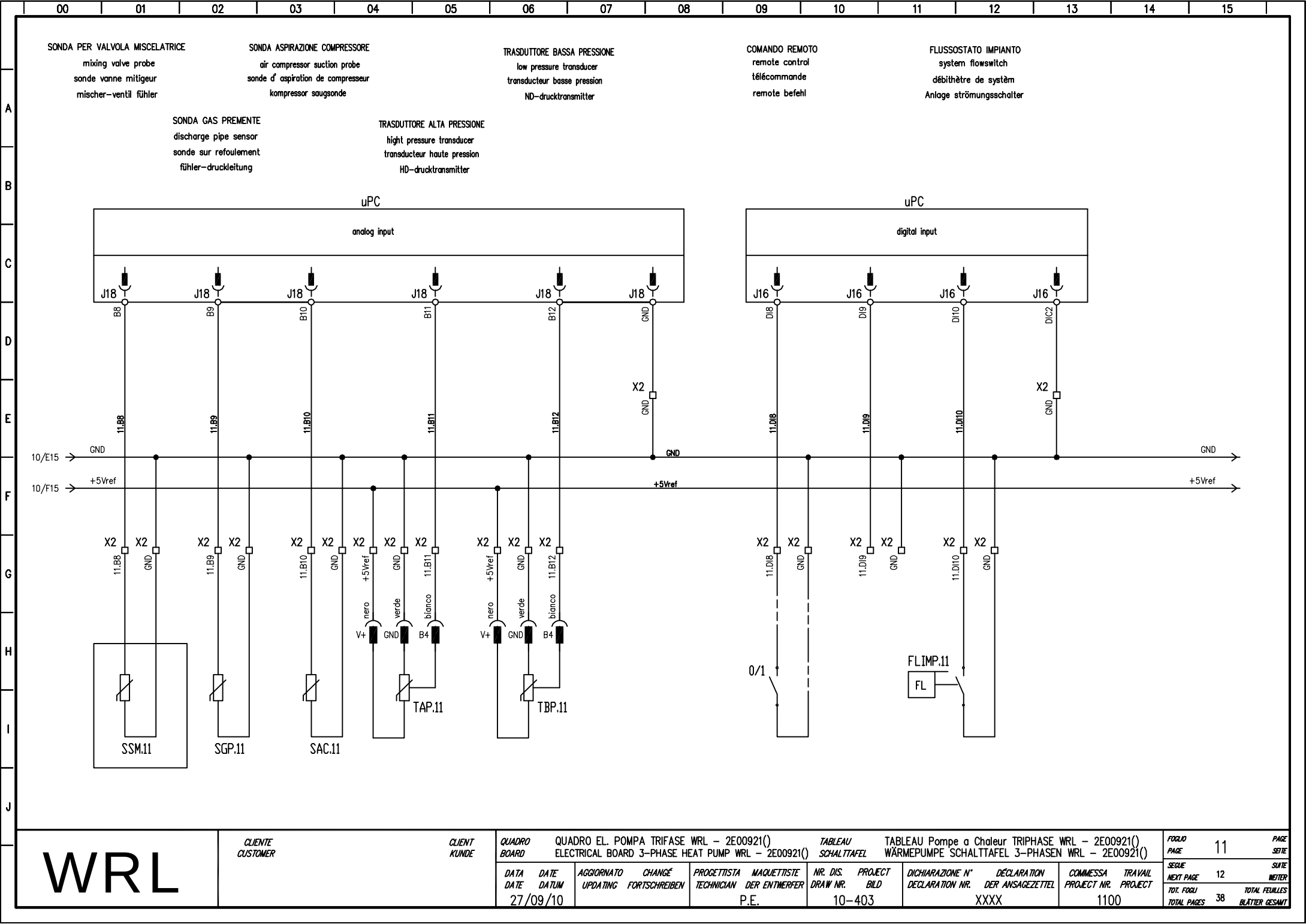
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DER ANSAGEZETTEL

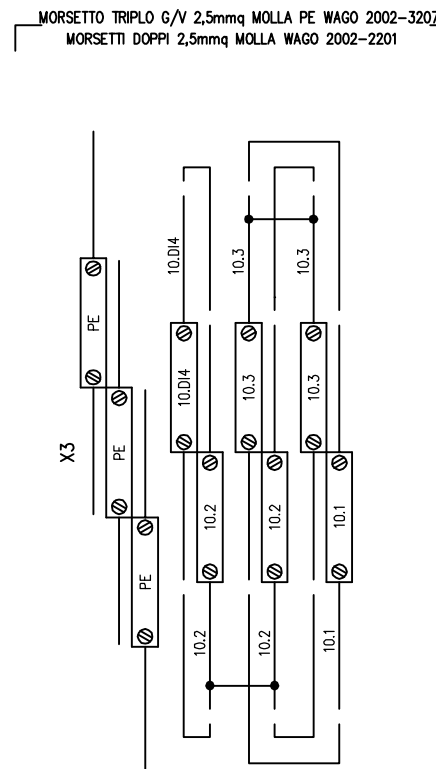
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PROJECT NR. 1100

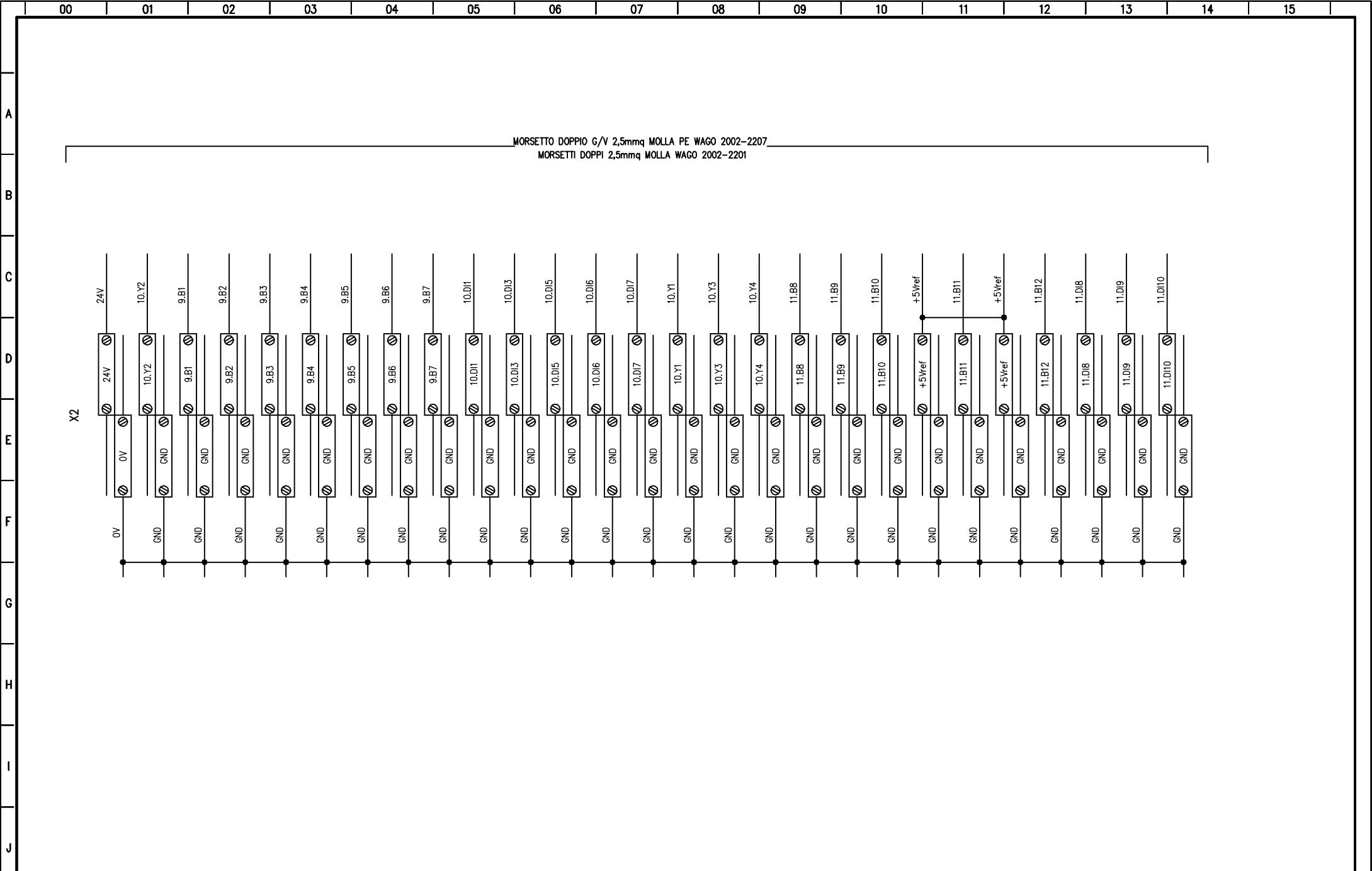
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PROJECT

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METTER  
TOTAL FEUILLES  
BLATTIER GESAMT









WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00921()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921()

TABE  
SCHALT

TABE  
WÄRM

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FORTSCHREIBEN

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TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

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DRAW NR.

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DICHIARAZIONE N°  
DECLARATION NR.

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PROJECT NR.

TRAVAIL  
PROJECT

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TOTAL PAGES

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SUITE  
METER

TOTAL FEUILLES  
BLÄTTER GESAMT



Technical drawing of a control cabinet layout, showing the internal wiring and component arrangement. The drawing includes the following components and connections:

- Terminal Blocks:**
  - X1:** A large terminal block on the left side of the cabinet.
  - X2:** A large terminal block on the right side of the cabinet.
  - X3:** A small terminal block at the bottom right.
- Relays and Switches:**
  - UT16-40F.4:** A relay or switch component located in the center.
  - MTCP.4:** A component located below the UT16-40F.4.
  - RMP01.7, RMP02.7, RMP03.7:** Three components located at the bottom right.
- Wiring and Connections:**
  - uPC:** A central horizontal busbar or wiring strip.
  - PE:** Grounding points are indicated at the top and bottom of the cabinet.
  - RS.4:** A connection point at the bottom right.
  - IG.4:** A connection point near the UT16-40F.4 component.
  - MTA.4:** A connection point near the MTCP.4 component.
  - CCP.7:** A connection point near the RMP components.
  - DRE.4:** A connection point at the top right.
- Warning Symbol:** A lightning bolt symbol is present in the top left corner, indicating a high-voltage or electrical hazard.

# WRL

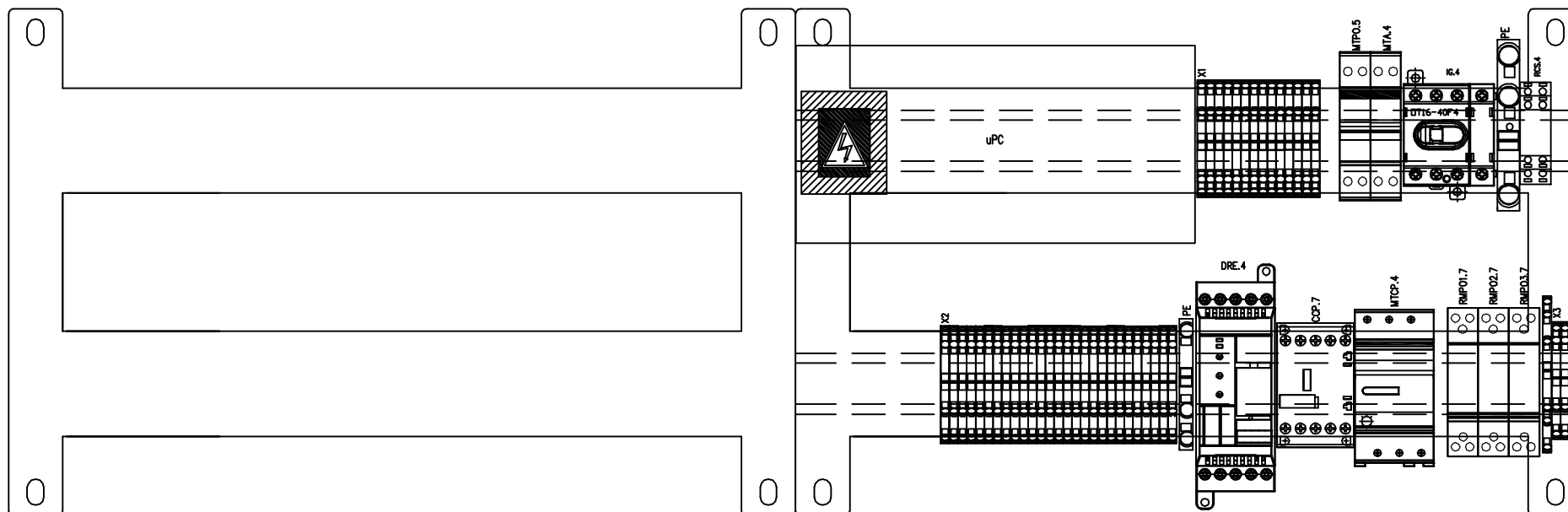
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| SEQUE       |     | SUITE          |
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| TOT. FOLJ   |     | TOTAL FEUILLES |
| TOTAL PAGES | 38  | BLÄTTER GESAMT |

BEMERKUNGEN

[illegible]

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version avec Vanne modulante à deux voies  |
| <b>M</b> Version with 2-way modulating valve    | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



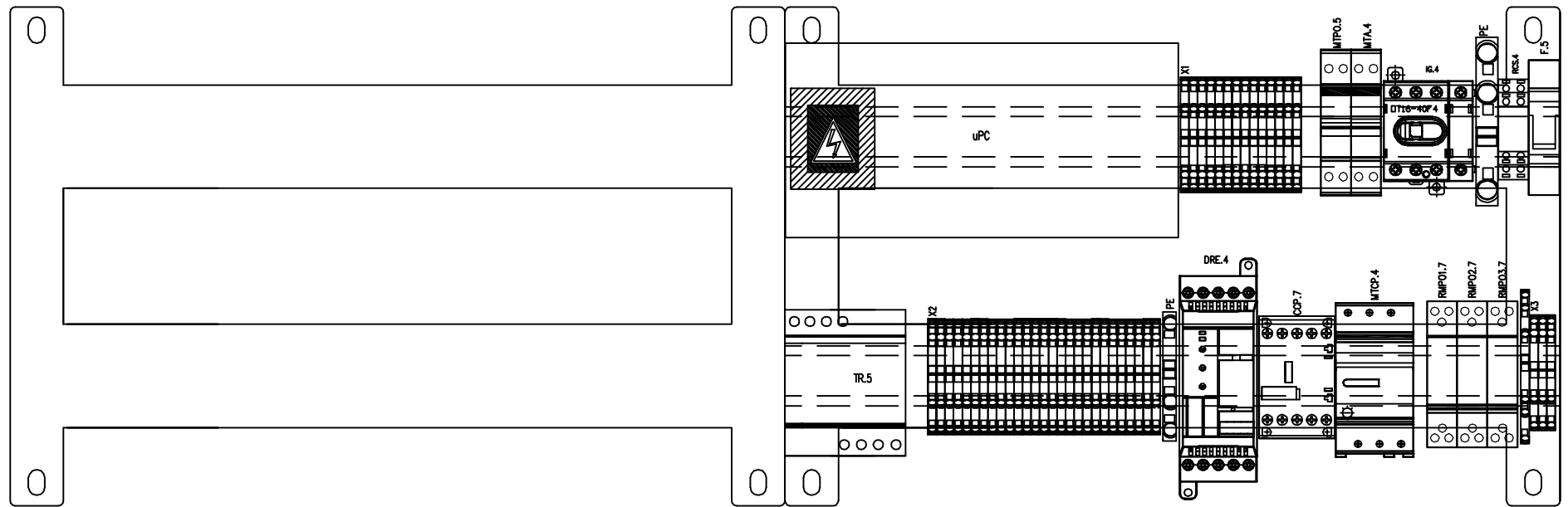
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TOTAL FEUILLES  
BLÄTTER GESAMT

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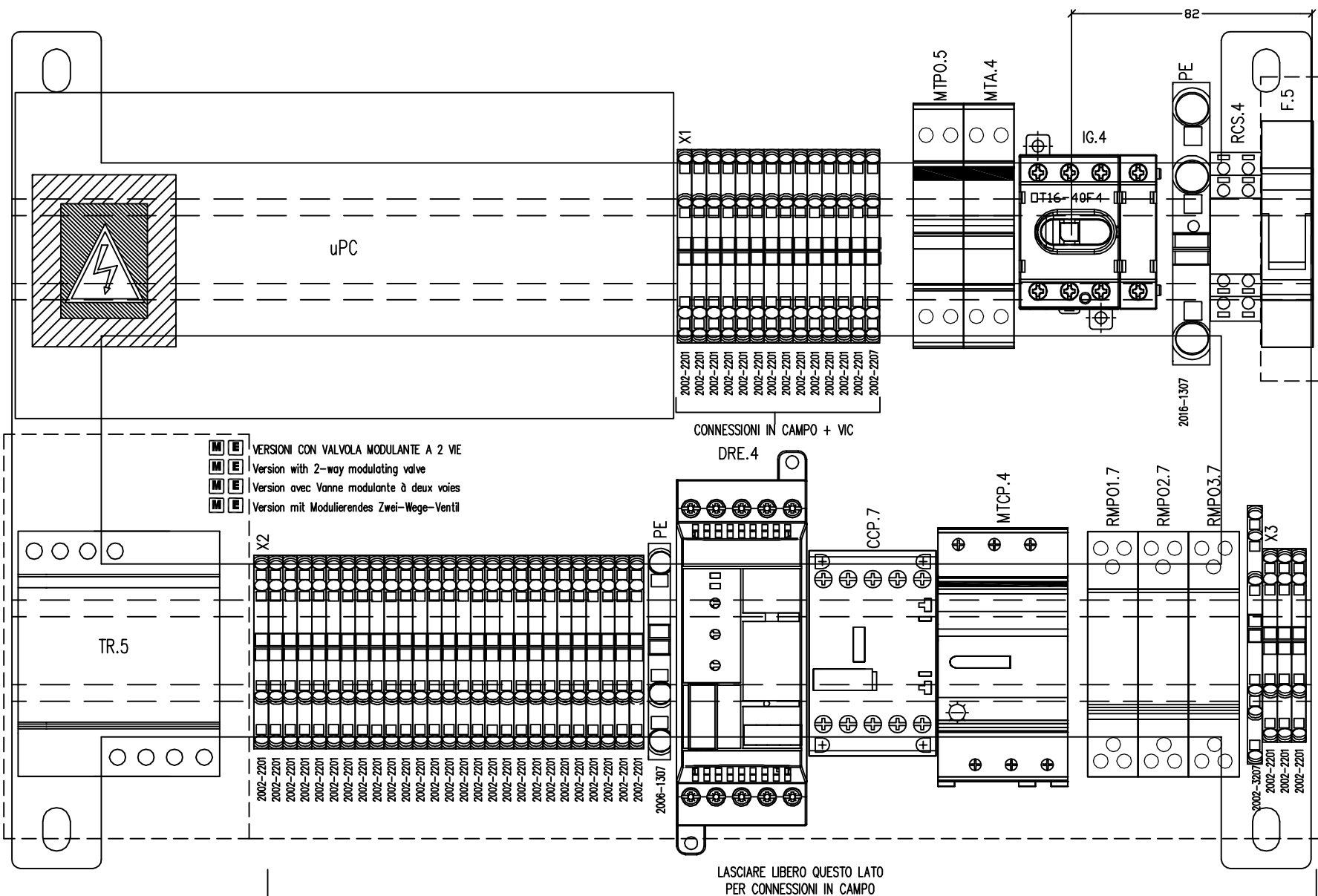
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|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                          | TECHNICAL DATA BOX                                                                             | DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                         |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                        | DIMENSION                                                                                      | DIMENSION                                                                                          | ABMESSUNGEN                                                                              |
| Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                | height: 350<br>Width: 1040<br>Deep: 160                                                        | Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                   | Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                   |
| NOTE                                                                                              | NOTES                                                                                          | NOTE                                                                                               | BEMERKUNGEN                                                                              |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                            |                                                                |
|------------------------------------------------------------|----------------------------------------------------------------|
| <b>E</b> VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE | <b>E</b> Version avec Stockage + Vanne modulante à deux voies  |
| <b>E</b> Version with Storage + 2-way modulating valve     | <b>E</b> Version mit Lagerung + Modulierendes Zwei-Wege-Ventil |

WRL



- ☐ VERSIONI CON VALVOLA MODULANTE A 2 VIE
- ☐ Version with 2-way modulating valve
- ☐ Version avec Vanne modulante à deux voies
- ☐ Version mit Modulierendes Zwei-Wege-Ventil

CONNESSIONI IN CAMPO + VIC

DRE.4

LASCIARE LIBERO QUESTO LATO  
PER CONNESSIONI IN CAMPO

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00921()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00921()

TAFEL  
SCHALT

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00921()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00921()

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TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

TOT. FOGLI  
TOTAL PAGES

TOTAL FEUILLES  
BLÄTTER GESAMT

|                                                       |            |           |                                |
|-------------------------------------------------------|------------|-----------|--------------------------------|
| <b>POMPA TRIFASE</b>                                  |            |           | <b>WRL025</b><br><b>WRL030</b> |
| <b>Quadro elettrico</b>                               | <b>REV</b> |           |                                |
| cod.                                                  | 2E00922    | 1         |                                |
| cod.                                                  | 2E00922A   | 1         | <b>A</b>                       |
| cod.                                                  | 2E00922M   | 1         | <b>M</b>                       |
| cod.                                                  | 2E00922E   | 1         | <b>E</b>                       |
|                                                       |            |           |                                |
| rif.                                                  | 2E00787A_2 | 2E00857_3 |                                |
| lotto                                                 | nr.: XXXX  |           |                                |
| VERS.                                                 |            |           |                                |
| NO SOFTSTARTER – SI MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |                                |

|                          |                                        |                          |                                     |                          |                                           |                          |                                            |
|--------------------------|----------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------------|--------------------------|--------------------------------------------|
| <input type="checkbox"/> | QUADRO DI SERIE                        | <input type="checkbox"/> | Standard Board                      | <input type="checkbox"/> | Tableau standard                          | <input type="checkbox"/> | serienmäßig schalttafel                    |
| <b>A</b>                 | VERSIONE CON ACCUMULO                  | <b>A</b>                 | Version with Storage                | <b>A</b>                 | Version avec Stockage                     | <b>A</b>                 | Version mit Lagerung                       |
| <b>M</b>                 | VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b>                 | Version with 2-way modulating valve | <b>M</b>                 | Version avec Vanne modulante à deux voies | <b>M</b>                 | Version mit Modulierendes Zwei-Wege-Ventil |
| <b>E</b>                 | A + M                                  | <b>E</b>                 | A + M                               | <b>E</b>                 | A + M                                     | <b>E</b>                 | A + M                                      |

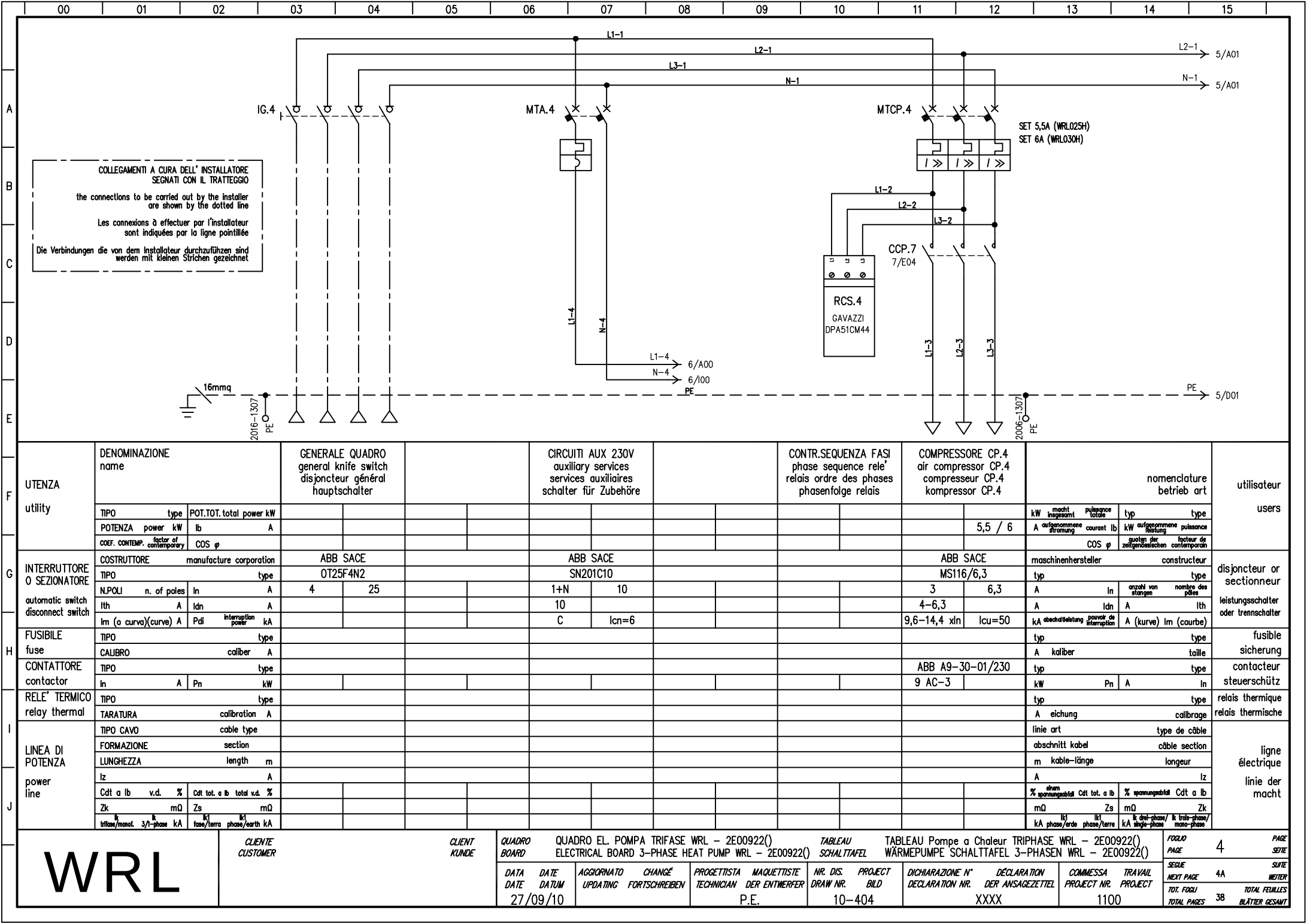
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|------------------------|---------------------|----------------------|-----|----------------------|----|
| WRL                    |                     |                      |     |                      |    |
| COSTRUTTORE            |                     | Manufacturer         |     | NORMA CEI EN 60335-1 |    |
| COD. ARTICOLO          | Article Code        | 2E009220_01 03/03/11 |     |                      |    |
| ALIMENTAZIONE          | Power supply        | 3/N/PE - 50 Hz 400V  |     |                      |    |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 | Hz                   | 50 |
| POMPA DI CALORE WRL025 | Heat Pump WRL025    | A Max                | 9,5 |                      |    |
| POMPA DI CALORE WRL030 | Heat Pump WRL030    | A Max                | 10  |                      |    |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x  |                      |    |
| NOTE: NR. LOTTO=       | Notes               | XXXX                 |     |                      |    |

|                        |                   |                      |     |                      |    |
|------------------------|-------------------|----------------------|-----|----------------------|----|
| WRL                    |                   |                      |     |                      |    |
| Constructeur           |                   | Maschinenhersteller  |     | NORMA CEI EN 60335-1 |    |
| Code Article           | Artikelcode       | 2E009220_01 03/03/11 |     |                      |    |
| Alimentation           | Stronversorgung   | 3/N/PE - 50 Hz 400V  |     |                      |    |
| Tension Nominale       | Nennspannung      | V                    | 400 | Hz                   | 50 |
| Pompe a Chaleur WRL025 | Wärmepumpe WRL025 | A Max                | 9,5 |                      |    |
| Pompe a Chaleur WRL030 | Wärmepumpe WRL030 | A Max                | 10  |                      |    |
| Degré de protection    | Schutzgrad        | IP                   | 2x  |                      |    |
| Note                   | Anmerkungen       | XXXX                 |     |                      |    |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉES    |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMEN  | KONTROLLIERTE |

|                                                                                                                                                      |                 |                                 |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------|------------------------------|
| <b>WRL</b>                                                                                                                                           |                 | NR. DIS.<br>DRAW NR.            | PROJECT<br>BILD              |
|                                                                                                                                                      |                 | 10-404                          |                              |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                    | DATE<br>DATUM                |
|                                                                                                                                                      |                 | 27/09/10                        |                              |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING          | CHANGE<br>FORTSCHREIBEN      |
| QUADRO<br>BOARD                                                                                                                                      |                 | COMMESSA<br>PROJECT NR.         | TRAVAIL<br>PROJECT           |
| 2E00922                                                                                                                                              |                 | 1100                            |                              |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 |                                 |                              |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN       | MAQUETTISTE<br>DER ENTWERFER |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION    |                              |
|                                                                                                                                                      |                 | DECLARATION<br>DER ANSAGEZETTEL |                              |
|                                                                                                                                                      |                 | XXXX                            |                              |

| 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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             | FRANCAIS                            |                                 | DEUTSCH                 |                    |                           |    |                                  |
| O/I<br>AE<br>AL<br>ALDEO<br>ALSAN<br>ALIMP<br>BL<br>CCP<br>CP<br>CMPO<br>RCRE<br>RCRES<br>DCP<br><br>DRE<br>F<br>FRC<br>IG<br>L<br>M<br>MA<br>MCN<br>MPO1<br>MPO2<br>MPO3<br>MRTF<br>MSN<br>MTA<br>MTMPO<br>MTCP<br>MTR<br>N<br>NE<br>PE<br>PD<br>PDH<br>RPMIX1<br>PR<br>R<br>RAP<br>RC<br>RCP<br>RCS<br>RE<br>RER<br>RMPO<br>RI<br>RVSE<br>RX<br>SET<br>SIC<br>TEP<br>TGP<br>TR<br>TSME<br>TSRE<br>TSRI<br>TSVSE<br>TV<br>V3VF<br>V3VS<br>VC<br>VLS<br>VMD<br>VMS<br>VMIX1<br>VS<br>VSE | INTERRUTTORE ACCESO/SPENTO<br>ALLARME ESTERNO<br>ALLARME<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>BLU<br>CONTATTORE COMPRESSORE<br>COMPRESSORE<br>CONTATTORE MOTOPOMPA<br>RELE' CALDAIA/RESISTENZA IMPIANTO<br>RELE' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE DEUMIDIFICATORE<br><br>AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMINA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | Switch On Off<br>remote alarm<br>alarm<br>alarm dehumidifier<br>alarm la santé<br>boiler/heater alarm<br>blue<br>compressor contactor<br>compressor<br>pump contactor<br>relay boiler / heating system<br>relay boiler / heating health<br>low ambient temperature device<br>dehumidifier<br>softstarter<br>fusible<br>Interference suppressor<br>Main switch<br>phase of power supply<br>clamps<br>brown<br>control clamps<br>geothermal pump<br>primary pump<br>water tank pump<br>governor-cut phase clamps<br>signal clamps<br>auxiliary services magneto-thermal<br>pump magneto-thermal<br>compressor magneto-thermal<br>Heater switch<br>neutral of power supply<br>black<br>grounded<br>differential pressure switch<br>differential pressure switch<br>relay pump zone 1<br>remote panel<br>relé<br>"high pressure" relay<br>compressor oil heater<br>air compressor relé<br>phase sequence relay<br>antifreeze resistances<br>antifreeze recovery<br>pump relé<br>heating device<br>economizer relé<br>tray resistance<br>second set<br>thermal emergencies<br>delayed relé<br>discharge gas thermostat<br>Transformator<br>pressure transducer<br>mechanical thermostat<br>antifreeze resistances thermostat<br>heating device safety thermostat<br>economizer thermostat<br>thermistor fan coil<br>three-way valve freecooling<br>three-way valve health<br>reversal cycle valve<br>electrovalve liquid interception<br>2-way modulating valve<br>modulating valve health<br>mixing valve zone 1<br>electrovalve injection of liquid<br>electrovalve economizer | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudière/système de chauffage<br>relay chaudière de chauffage de santé<br>dispositif pour basse température<br>déhumidificateur<br>démarrateur<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase de alimentation<br>bornes<br>marron<br>bornes de commande<br>pompe géothermie<br>pompe primaire<br>pompe pour ballon ECS<br>bornes de gouverneur coupe phase<br>bornes de signal<br>magneto-thermique services auxiliaires<br>pompe magneto-thermique de pompe<br>magneto-thermique compresseur<br>magneto-thermique Chauffage<br>neutre de alimentation<br>noir<br>mise à la terre<br>pressostat différentiel<br>pressostat différentiel<br>relais pompe de zone 1<br>commande a distance<br>relais<br>Relais haute pression<br>résistance huile CP<br>relais de compresseur<br>relais sequenciel<br>résistance antigel<br>recouvrement antigel<br>relais de pompe<br>chauffage<br>relais de economizer<br>résistance de bassins<br>second set<br>thermiques sécurité<br>relais retard<br>thermostat de gaz de décharge<br>transformateur<br>transducteur pression<br>Thermostat mécanique<br>thermostat de résistance antigel<br>thermostat de sécurité chauffage<br>Thermostat economizer<br>thermistance ventilateur<br>vanne à trois voies freecooling<br>vanne à trois voies de santé<br>vanne inversion de cycle<br>électrovalve interception de liquide<br>Vanne modulante à deux voles<br>Modulation de la santé valve<br>Vanne de zone de mélange 1<br>électrovalve injection de liquide<br>électrovalve economizer | Schalter ein/aus<br>fernstoermedung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>dirm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pompe<br>relais kessel/heizung<br>startsteuerung Kessel/Wassertank<br>Widerstände<br>winterregelung<br>entfeuchters<br>demarreur<br>anlasser<br>sicherung<br>Funkentstörung<br>Hauptschalter<br>phasen vom Stromversorgung<br>klemmen<br>braun<br>startsteuerung klemmen<br>Geothermie pompe<br>Geothermie pompe<br>primär pompe<br>pumpe im Wassertank<br>klemmen der governor cut-phase<br>signal klemmen<br>schalter für Zubehöre<br>schalter für pumpe<br>motorschuttschalter kompressor<br>Heizvorrichtung schalter<br>neutral vom Stromversorgung<br>schwarz<br>erdungskontakt<br>druckdifferenzschalter<br>druckdifferenzschalter<br>relay pumpe in zone 1<br>remote panel<br>relais<br>hochdruckrelais<br>kubelwannenheizung<br>kompressor relais<br>relais phasenreihenfolge<br>einfriererhütend Widerstände<br>antifreeze recovery<br>pumpe relais<br>heizvorrichtung<br>economizer relais<br>tropfschale Widerstände<br>zweite set<br>sicherheit spannungsreiche<br>zeit relais<br>Druckgas Thermostat<br>Transformator<br>drucktransmitter<br>thermischer mechanische<br>einfriererhütend Widerstände thermischer<br>sicherheit heizvorrichtung thermischer<br>thermischer economizer<br>thermistor gebälse<br>dreizegeventil freecooling<br>dreizegeventil gesundheit<br>umkehrventil<br>liquid abfangen magnetventil<br>Modulierendes Zwei-Wege-Ventil<br>RegelVentil gesundheit<br>nischerVentil zone 1<br>elektroventil injection vom flüssigen<br>elektroventil economizer | AP<br>BP<br>FL<br>EXV<br>FLGEO<br>FLUMP<br>MAP<br>MBP<br>KSAE<br>SAC<br>SIM<br>SGP<br>SIGEO<br>SIW<br>SIWH<br>SRIM<br>SSAN<br>SUGEO<br>SUIM<br>SUR<br>SUW<br>SUWH<br>SSM<br>TAP<br>TBP | PRESSOSTATO DI ALTA<br>PRESSOSTATO DI BASSA<br>FLUSSOSTATO<br>VALVOLA ELETTRONICA<br>FLUSSOSTATO GEOTERMICO<br>FLUSSOSTATO IMPIANTO<br>MORSETTIERA PRESSOSTATO DI ALTA<br>MORSETTIERA PRESSOSTATO DI BASSA<br>SONDA ARIA ESTERNA<br>SONDA ASPIRAZIONE COMPRESSORE<br>SONDA INGRESSO IMPIANTO<br>SONDA GAS PREMENTE<br>SONDA INGRESSO GEOTERMICO<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA RITORNO IMPIANTO<br>SONDA SANITARIO<br>SONDA USCITA GEOTERMICO<br>SONDA USCITA IMPIANTO<br>SONDA USCITA RECUPERATORE<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA VALVOLA MISCELATRICE<br>TRASDUTTORE ALTA PRESSIONE<br>TRASDUTTORE BASSA PRESSIONE | "high pressure" control<br>pressure switch "low pressure"<br>flowswitch<br>electronic electrovalve<br>geothermal flowswitch<br>system flowswitch<br>pressure switch "high pressure" clamps<br>pressure switch "low pressure" clamps<br>ambient air probe<br>air compressor suction probe<br>input system probe<br>discharge pipe sensor<br>input geothermal probe<br>water inlet probe (NTC)<br>water inlet probe (NTC)<br>output system probe<br>probe health<br>output geothermal probe<br>output system probe<br>recovery outlet probe<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>mixing valve probe<br>high pressure trasducer<br>low pressure trasducer | pressostat "haut pression"<br>pressostat "basse pression"<br>fluxostat<br>commande de électrovalve électronique<br>débithère géothermie<br>débithère de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air extérieur<br>sonde d'aspiration de compresseur<br>sonde de entrées installation<br>sonde sur refolement<br>sonde entree géothermique<br>sonde entree eau (NTC)<br>sonde entree eau (NTC)<br>sonde de sorties installation<br>sonde de santé<br>sonde sortie géothermique<br>sonde sortie installation<br>sonde sortie recuperation<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde robinet mélange<br>transducteur haute pression<br>transducteur basse pression | hochdruckpressostat<br>druckschalter "niedrig druck"<br>stromungswaehter<br>startsteuerung ventilelektronic<br>Geothermie strömungsschalter<br>Anlage strömungsschalter<br>druckschalter "hoch druck" klemmen<br>druckschalter "niedrig druck" klemmen<br>aubenluftfuehler<br>kompressor saugsonde<br>sensor zwei anlage<br>fühler-druckleitung<br>geothermie sensor<br>fühler-wassereintritt (NTC)<br>fühler-wassereintritt (NTC)<br>Ausgang Wärmetauscher sensor<br>probe gesundheit<br>ausgang erdwärmesonde<br>sensor ausgang anlage<br>regenerator fñhler-austritt<br>fühler-wasseraustritt (NTC)<br>fühler-wasseraustritt (NTC)<br>mischerventil probe<br>HD-drucktransmitter<br>ND-drucktransmitter |                      |                 |                                     |                                 |                         |                    |                           |    |                                  |
| MPO1B<br>MPO1U<br>MPO1                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | POMPA STANDARD<br>POMPA MAGGIORATA<br>POMPA INVERTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                                                                                                                                                                                                                                                                                                            | Standard pump<br>Increased pump<br>Inverter pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                        | Pompe standard<br>Pompe avec augmentation<br>Pompe inverter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pump standard<br>Pump Erhöhten Volumenstrom<br>Inverter pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |    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| <div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | COMPONENTI FORNITI<br>COME OPTIONAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                                                                                                                                                                                                                                                                                                                            | components supplied<br>as an option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| <div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | COMPONENTI<br>NON FORNITI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Komponenten nicht<br>in Lieferumfang enthalten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                 |                                     |                                 |                         |                    |                           |    |                                  |
| <div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | COLLEGAMENTI<br>DA ESEGUIRE IN CANTIERE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                        | connexions à effectuer<br>sur le site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                         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                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                 |                                     |                                 |                         |                    |                           |    |                                  |
| WRL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CLIENT<br>KUNDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QUADRO<br>BOARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | QUADRO EL. POMPA TRIFASE WRL - 2E00922()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00922()                                                                                         | TABLEAU<br>SCHALTAFEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00922()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00922()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FOGLIO<br>PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PAGE<br>SEITE        |                 |                                     |                                 |                         |                    |                           |    |                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DATE<br>DATUM                                                                                                                                                                          | AGGIORNATO<br>UPDATING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CHANGE<br>FORTSCHREIBEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PROGETTISTA<br>TECHNICIAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MAQUETTISTA<br>DER ENTWERFER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NR. DIS.<br>DRAW NR. | PROJECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR. | DECLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 4  | SUTE<br>METER                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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             | XXXX                                |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |

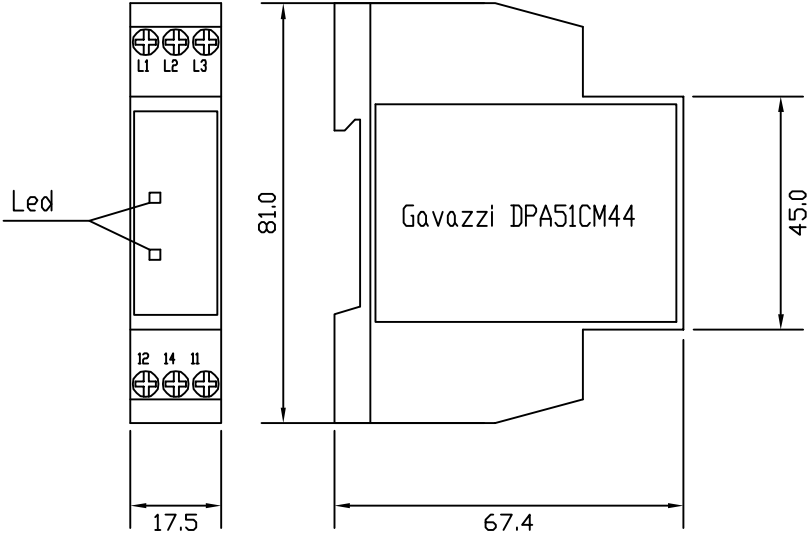




|     |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
|-----|---------------------|-----------------|------------------------------------------------------------------------------------------------|---------------|------------------------|-------------------------|---------------------------|------------------------------|----------------------|-----------------|----------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|--------------------|---------------------------|----|----------------------------------|
|     | 00                  | 01              | 02                                                                                             | 03            | 04                     | 05                      | 06                        | 07                           | 08                   | 09              | 10                                                                                                 | 11                              | 12                      | 13                 | 14                        | 15 |                                  |
| A   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| B   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| C   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| D   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| E   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| F   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| G   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| H   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| I   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| J   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL – 2E00922()<br>ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00922() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00922()<br>WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00922() |                                 |                         |                    | FOGLIO<br>PAGE            | 4A | PAGE<br>SEITE                    |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN | MAQUETTISTE<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROJECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 4B | SUITE<br>METER                   |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10–404               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |

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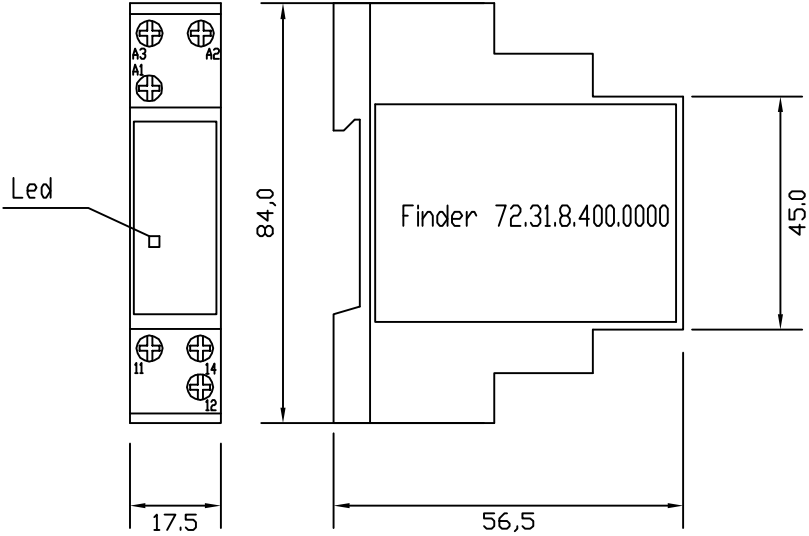
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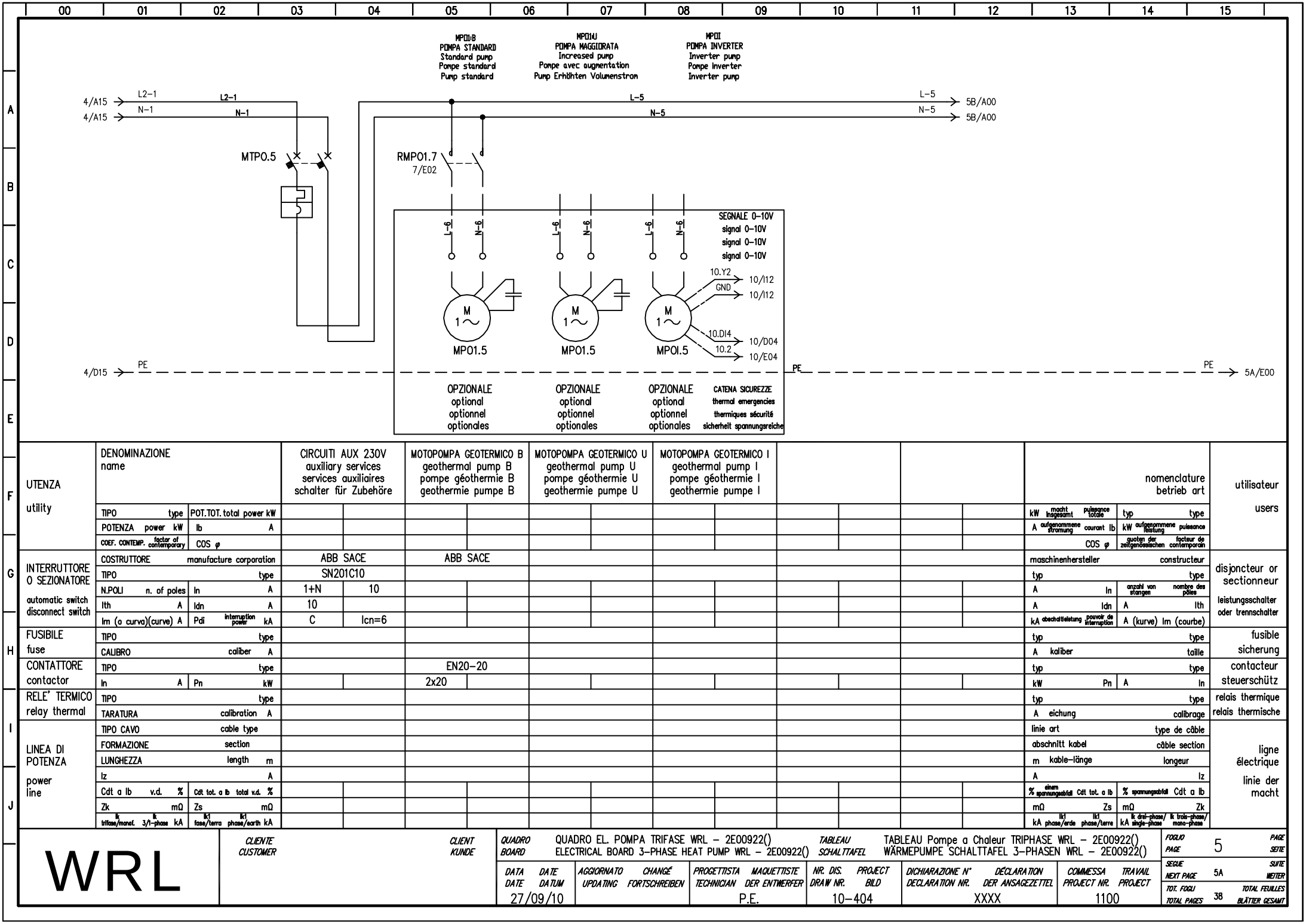
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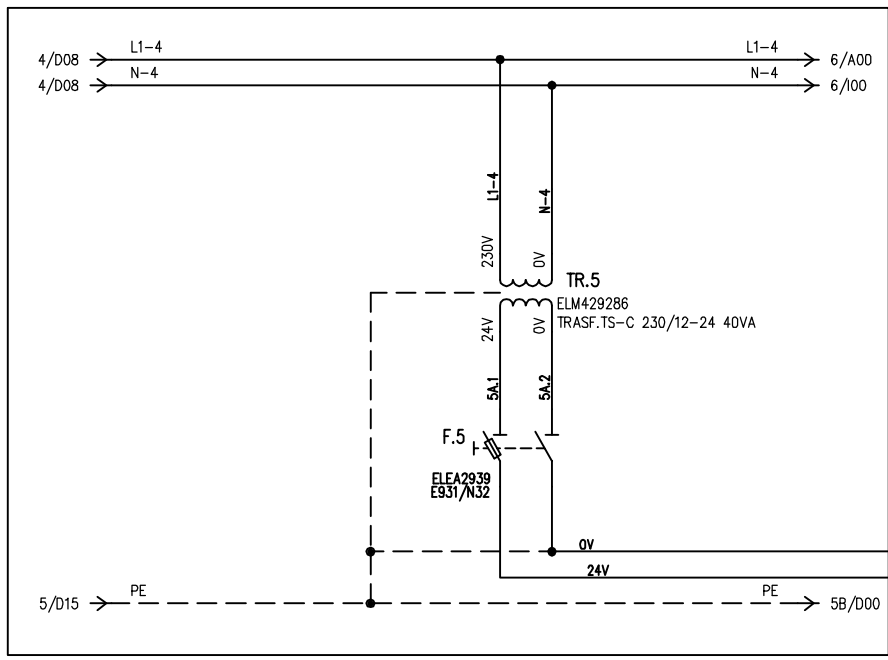


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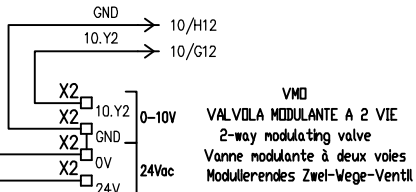


| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                    |  |                               |                     | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |  | MOTOPOMPA GEOTERMICO B<br>geothermal pump B<br>pompe géothermie B<br>geothermie pumpe B |                 | MOTOPOMPA GEOTERMICO U<br>geothermal pump U<br>pompe géothermie U<br>geothermie pumpe U |  | MOTOPOMPA GEOTERMICO I<br>geothermal pump I<br>pompe géothermie I<br>geothermie pumpe I |                 |  |  |  |                                                                                                | nomenclature<br>betrieb art                        |                     | utilisateur<br><br>users                     |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|----------------------------------------------------------------------------|------------------------------------------|--|-------------------------------|---------------------|------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|-----------------|--|--|--|------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------|----------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------|-------------------------|--|----------------------------------------------------------------------------------------------------|--|------------------------------|--|----------------------|--|-----------------|--|-----------------------------------|--|---------------------------------|--|----------------------------------|--|--------------------|--|--------------------|--|----|--|----------------|--|
|                                                                            | TIPO type                                |  | POT.TOT. total power kW       |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | kW macht<br>insgesamt                              | puissance<br>totale | typ type                                     |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | POTENZA power kW                         |  | lb A                          |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | A aufgenommene<br>stromung                         | courant lb          | kW aufgenommene<br>leistung                  | puissance                     |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | COEF. CONTEMP. factor of<br>contemporary |  | COS ϕ                         |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                |                                                    | COS ϕ               | coefficient de<br>contemporanéité            | facteur de<br>contemporanéité |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE manufacture corporation      |  |                               |                     | ABB SACE                                                                                 |  | ABB SACE                                                                                |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | maschinenhersteller<br>constructeur                |                     |                                              |                               | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter               |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | TIPO type                                |  |                               |                     | SN201C10                                                                                 |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | typ type                                           |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | N.POLI n. of poles                       |  | ln A                          |                     | 1+N 10                                                                                   |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | A ln                                               |                     | anzahl von<br>strömen<br>nombre des<br>pôles |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | lth A                                    |  | Idn A                         |                     | 10                                                                                       |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | A Idn A                                            |                     | lth                                          |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve) A                    |  | Pdi interruption<br>power kA  |                     | C lcn=6                                                                                  |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | kA abschaltleistung<br>pourvoir de<br>interruption |                     | A (kurve) Im (courbe)                        |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | TIPO type                                |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | typ type                                           |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
| CONTATTORE<br>contactor                                                    | CAUBRO caliber                           |  | A                             |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | A kaliber                                          |                     | taille                                       |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | TIPO type                                |  |                               |                     | EN20-20                                                                                  |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | typ type                                           |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
| RELE* TERMICO<br>relay thermal                                             | In A                                     |  | Pn kW                         |                     |                                                                                          |  | 2x20                                                                                    |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | kW Pn A                                            |                     | ln                                           |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | TIPO type                                |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | typ type                                           |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TARATURA calibration                     |  |                               |                     | A                                                                                        |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | A eichung<br>calibrage                             |                     |                                              |                               | relais thermique<br>relais thermische<br><br>ligne<br>électrique<br><br>linie der<br>macht |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | TIPO CAVO cable type                     |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | linie art<br>type de câble                         |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | FORMAZIONE section                       |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | abschnitt kabel<br>câble section                   |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | LUNGHEZZA length m                       |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | m kable-länge<br>longueur                          |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | Iz A                                     |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | A Iz                                               |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | Cdt a lb v.d. %                          |  | Cdt tot. a lb total v.d. %    |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | einem<br>% spannungsfaktor Cdt tot. a lb           |                     | % spannungsfaktor Cdt a lb                   |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | Zk mQ                                    |  | Zs mQ                         |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | mQ Zs mQ                                           |                     | Zk                                           |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            | Ik1 triphase/manef. 3/1-phase kA         |  | Ik1 fase/terro phase/earth kA |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                | kA phase/erde phase/terre                          |                     | Ik1 drei-phase/ Ik1 trois-phase/ mono-phase  |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            |                                          |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                |                                                    |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
| WRL                                                                        |                                          |  |                               | CLIENTE<br>CUSTOMER |                                                                                          |  |                                                                                         | CLIENT<br>KUNDE |                                                                                         |  |                                                                                         | QUADRO<br>BOARD |  |  |  | QUADRO EL. POMPA TRIFASE WRL - 2E00922()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00922() |                                                    |                     |                                              | TABLEAU<br>SCHALTAFEL         |                                                                                            |                         |  | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00922()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00922() |  |                              |  | FOGLIO<br>PAGE       |  | 5               |  | PAGE<br>SEITE                     |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |
|                                                                            |                                          |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  | DATA DATE                                                                                      |                                                    | DATE DATUM          |                                              | AGGIORNATO<br>UPDATING        |                                                                                            | CHANGÉ<br>FORTSCHREIBEN |  | PROGETTISTA<br>TECHNICIAN                                                                          |  | MAQUETTISTE<br>DER ENTWERFER |  | NR. DIS.<br>DRAW NR. |  | PROJECT<br>BILD |  | DICHIAZIONE N°<br>DECLARATION NR. |  | DÉCLARATION<br>DER ANSAGEZETTEL |  | COMMESSA<br>PROJECT NR.          |  | TRAVAIL<br>PROJECT |  | SUIVE<br>NEXT PAGE |  | 5A |  | SUITE<br>METER |  |
|                                                                            |                                          |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  | 27/09/10                                                                                       |                                                    |                     |                                              |                               |                                                                                            |                         |  | P.E.                                                                                               |  | 10-404                       |  |                      |  | XXXX            |  | 1100                              |  | 38                              |  | TOTAL FEUILLES<br>BLÄTTER GESAMT |  |                    |  |                    |  |    |  |                |  |
|                                                                            |                                          |  |                               |                     |                                                                                          |  |                                                                                         |                 |                                                                                         |  |                                                                                         |                 |  |  |  |                                                                                                |                                                    |                     |                                              |                               |                                                                                            |                         |  |                                                                                                    |  |                              |  |                      |  |                 |  |                                   |  |                                 |  |                                  |  |                    |  |                    |  |    |  |                |  |

A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |            | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |    |    |    |    |    |    |    | nomenclature<br>betrieb art         |                                                   |                                  | utilisateur                             |                            |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|----|----|----|----|----|----|----|-------------------------------------|---------------------------------------------------|----------------------------------|-----------------------------------------|----------------------------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |            |                                                                                    |    |    |    |    |    |    |    | kW                                  | macht<br>Insgesamt                                | puissance<br>totale              | typ                                     | type                       |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |            |                                                                                    |    |    |    |    |    |    |    | A                                   | aufgenommene<br>Stromung                          | courant lb                       | kW                                      | aufgenommene<br>leistung   |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |            |                                                                                    |    |    |    |    |    |    |    |                                     | COS φ                                             | quoten der<br>zeitgleichzeitigen | facteur de<br>contemporain              |                            |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |            |                                                                                    |    |    |    |    |    |    |    | maschinenhersteller<br>constructeur |                                                   |                                  | disjoncteur or<br>sectionneur           |                            |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |            |                                                                                    |    |    |    |    |    |    |    | typ<br>type                         |                                                   |                                  | type                                    |                            |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N        |                                                                                    |    |    |    |    |    |    |    | A                                   | In                                                | anzahl von<br>stangen            | nombre des<br>pôles                     |                            |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |            |                                                                                    |    |    |    |    |    |    |    | A                                   | Idn                                               | A                                | Ith                                     |                            |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA         |                                                                                    |    |    |    |    |    |    |    | kA                                  | abschaltleistung<br>pourvoir de<br>l'interruption | A (kurve) Im (courbe)            | leistungsschalter<br>oder trennschalter |                            |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |            |                                                                                    |    |    |    |    |    |    |    | typ<br>type                         |                                                   |                                  | fusible                                 |                            |
|                                                                            | CALIBRO                                | caliber                   |                         | 2A gL                                                                                   |            |                                                                                    |    |    |    |    |    |    |    | A kaliber                           |                                                   |                                  | sicherung                               |                            |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |    |    |    |    |    |    |    | typ<br>type                         |                                                   |                                  | contacteur                              |                            |
| CONTATTORE<br>contactor                                                    | In                                     | A                         | Pn                      | kW                                                                                      |            |                                                                                    |    |    |    |    |    |    |    | kW                                  | Pn                                                | A                                | In                                      | contacteur<br>steuerschütz |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |    |    |    |    |    |    |    | typ<br>type                         |                                                   |                                  | relais thermique                        |                            |
|                                                                            | TARATURA                               | calibration               |                         | A                                                                                       |            |                                                                                    |    |    |    |    |    |    |    | A eichung                           |                                                   |                                  | relais thermische                       |                            |
|                                                                            | TIPO CAVO                              | cable type                |                         |                                                                                         |            |                                                                                    |    |    |    |    |    |    |    | linie art<br>type de câble          |                                                   |                                  | ligne                                   |                            |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | FORMAZIONE                             | section                   |                         |                                                                                         |            |                                                                                    |    |    |    |    |    |    |    | abschnitt kabel<br>câble section    |                                                   |                                  | électrique                              |                            |
|                                                                            | LUNGHEZZA                              | length                    |                         | m                                                                                       |            |                                                                                    |    |    |    |    |    |    |    | m kable-länge<br>longueur           |                                                   |                                  | lign                                    |                            |
|                                                                            | Iz                                     | A                         |                         |                                                                                         |            |                                                                                    |    |    |    |    |    |    |    | A<br>Iz                             |                                                   |                                  | linie der<br>macht                      |                            |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d. | %                                                                                  |    |    |    |    |    |    |    |                                     | %<br>spannungsabfall                              | Cdt tot. a lb                    | %<br>spannungsabfall                    | Cdt a lb                   |
|                                                                            | Zk                                     | mQ                        | Zs                      | mQ                                                                                      |            |                                                                                    |    |    |    |    |    |    |    |                                     | mQ                                                | Zs                               | mQ                                      | Zk                         |
|                                                                            | Ik                                     | Ik                        | Ik                      | Ik                                                                                      | Ik         | Ik                                                                                 | Ik | Ik | Ik | Ik | Ik | Ik | Ik | Ik                                  | Ik                                                | Ik                               | Ik                                      | Ik                         |
|                                                                            | Ik                                     | Ik                        | Ik                      | Ik                                                                                      | Ik         | Ik                                                                                 | Ik | Ik | Ik | Ik | Ik | Ik | Ik | Ik                                  | Ik                                                | Ik                               | Ik                                      | Ik                         |
|                                                                            | Ik                                     | Ik                        | Ik                      | Ik                                                                                      | Ik         | Ik                                                                                 | Ik | Ik | Ik | Ik | Ik | Ik | Ik | Ik                                  | Ik                                                | Ik                               | Ik                                      | Ik                         |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00922()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00922()

TAFEL  
SCHALT

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00922()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00922()

FOGLIO  
PAGE

5A

PAGE  
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DATA  
DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHRIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

1100

SEQUE  
NEXT PAGE

5B

SUITE  
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TOTAL PAGES

38

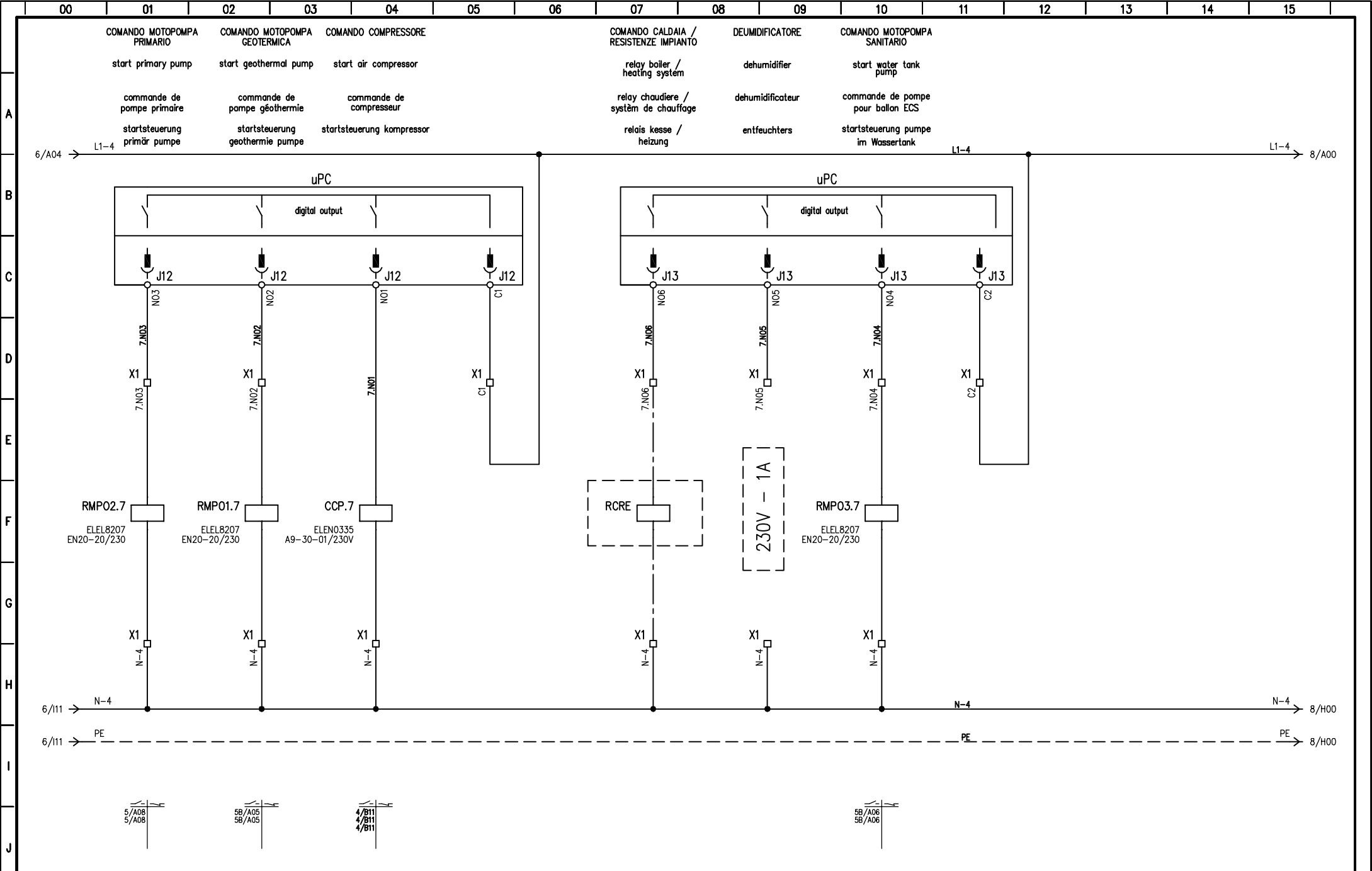
TOTAL FEUILLES  
BLATTIER GESAMT



VALVOLA ELETTRONICA  
electronic electrovalve  
commande de électrovalve électronique  
startsteuerung ventilelektronik



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| SEQUE       |    | SUITE          |
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| TOT. FOGLI  |    | TOTAL FEUILLES |
| TOTAL PAGES | 38 | BLÄTTER GESAMT |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00922()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00922()

TABELET  
SCHATTADEL

TABELET Pompe a Chaleur TRIPHASE WRL - 2E00922()  
WÄRMEPUMPE SCHATTADEL 3-PHASEN WRL - 2E00922()

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DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

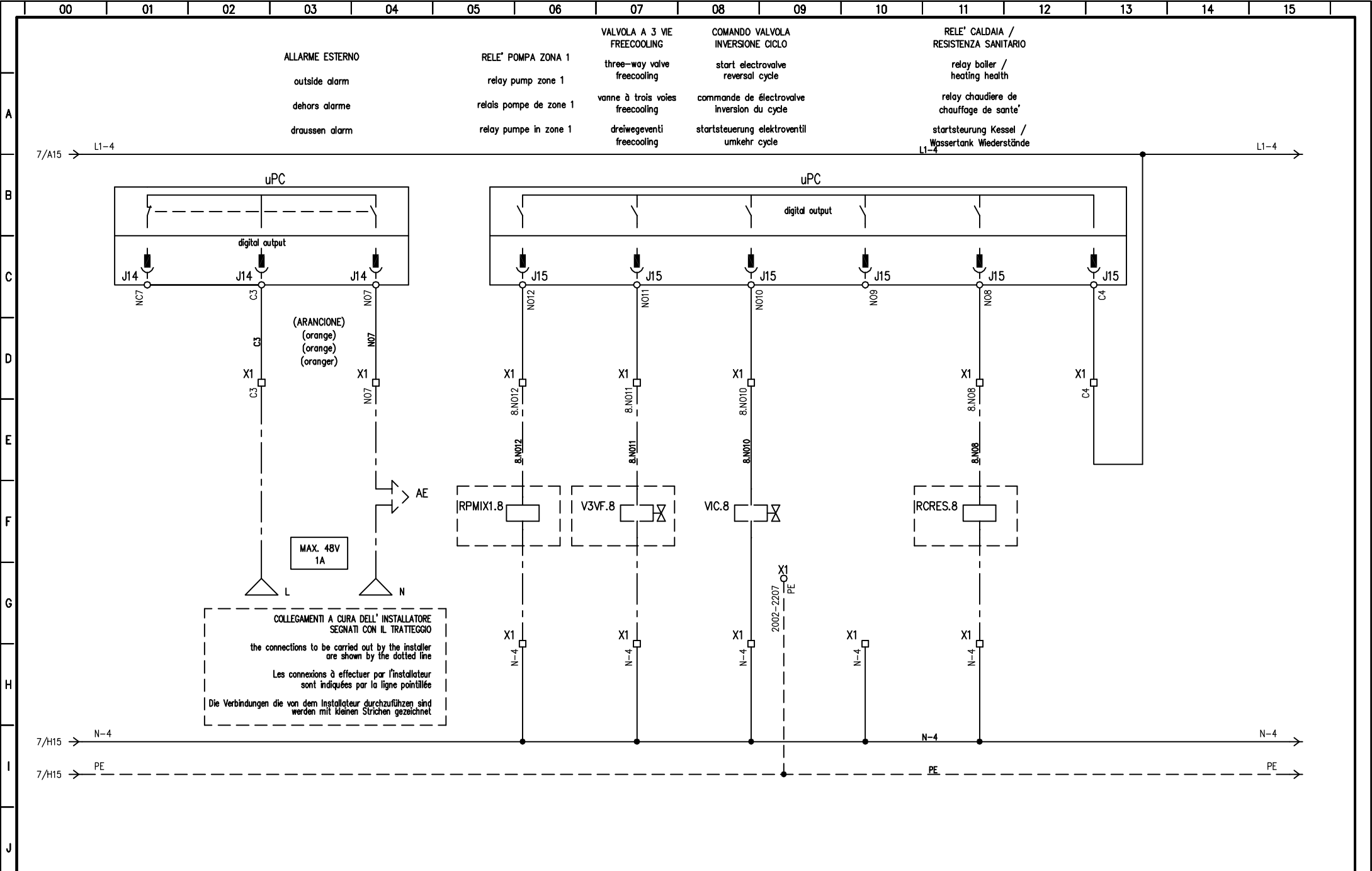
TRAVAIL  
PROJECT

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SUITE  
METER

TOT. FOLII  
TOTAL PAGES

TOTAL FEUILLES  
BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00922()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00922()

TABE  
SCHALTTAFEL

TABE  
WÄRMEPUMPE SCHALTTAFEL 3-PHASEN WRL - 2E00922()

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PAGE 8

PAGE  
SEITE

DATA  
DATE 27/09/10

AGGIORNATO  
DATE 27/09/10

PROGETTISTA  
TECHNICIAN P.E.

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR. 10-404

PROGETT  
BILD

DICHIARAZIONE N°  
DECLARATION NR. XXXX

COMMESSA  
PROJECT NR. 1100

TRAVAIL  
PROJECT

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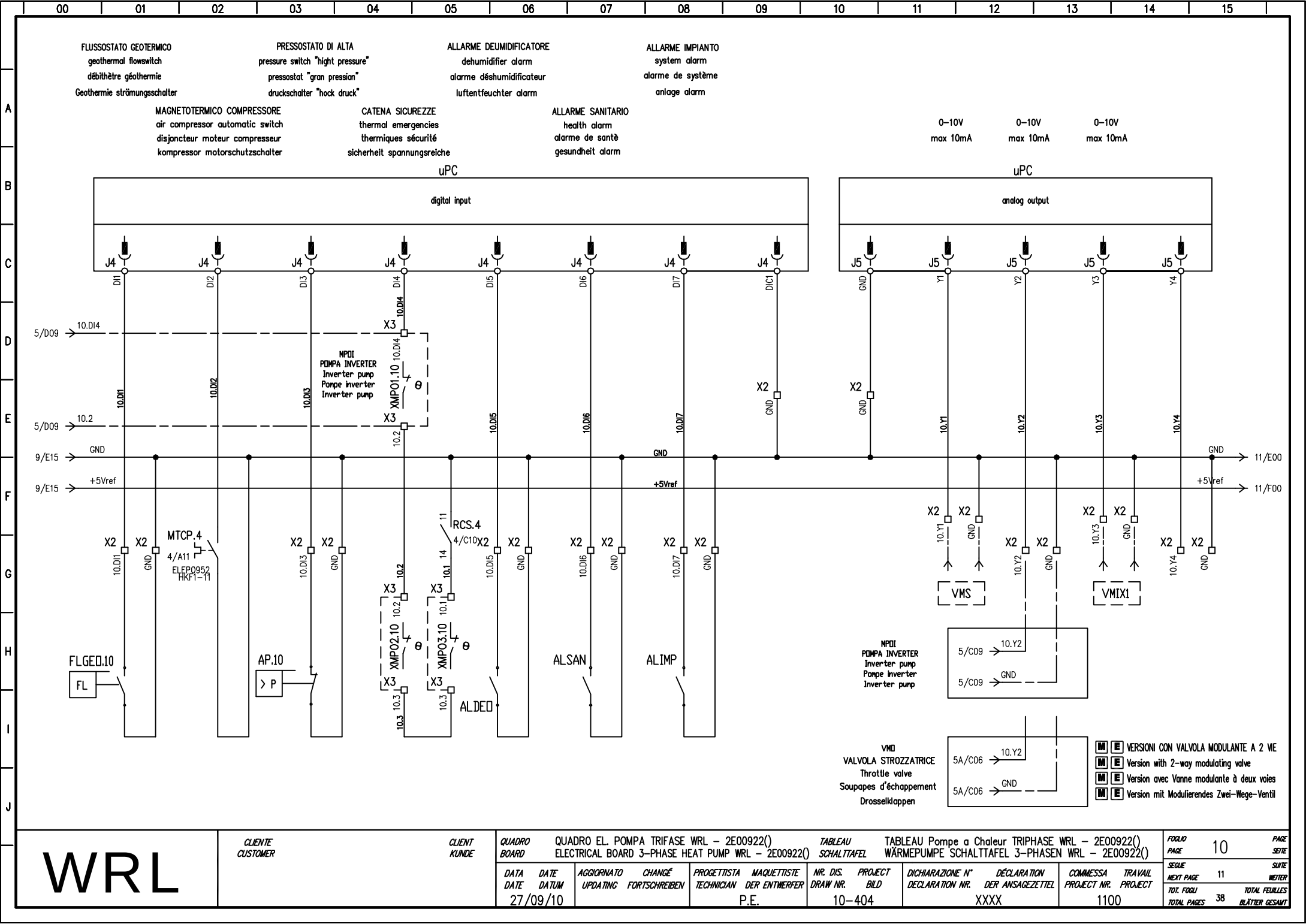
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METER

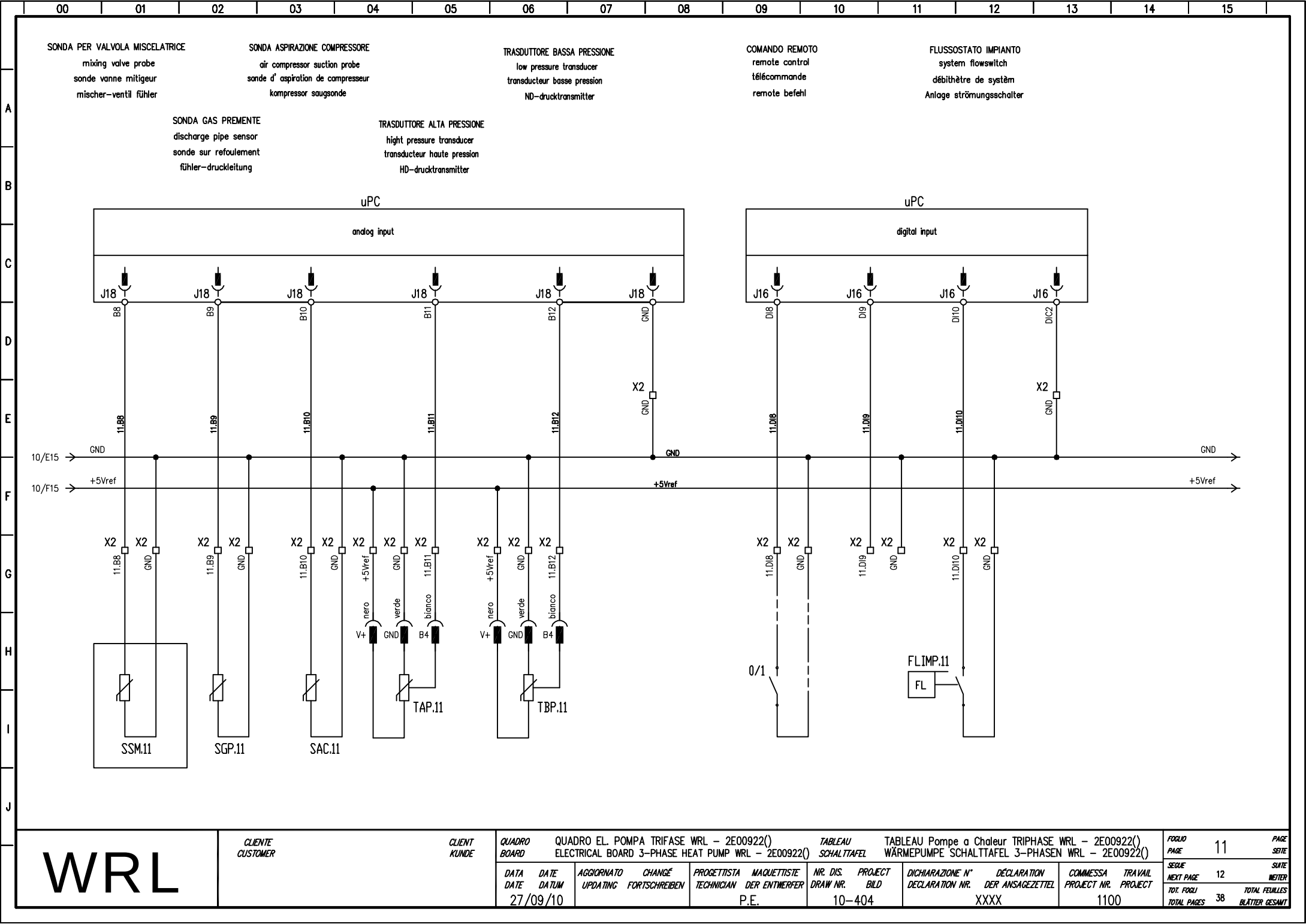
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TOTAL PAGES 38

TOTAL FEUILLES  
BLÄTTER GESAMT



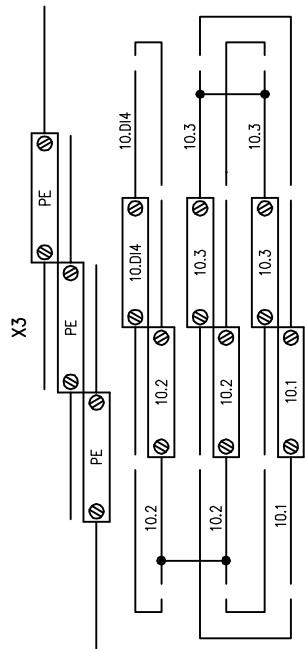
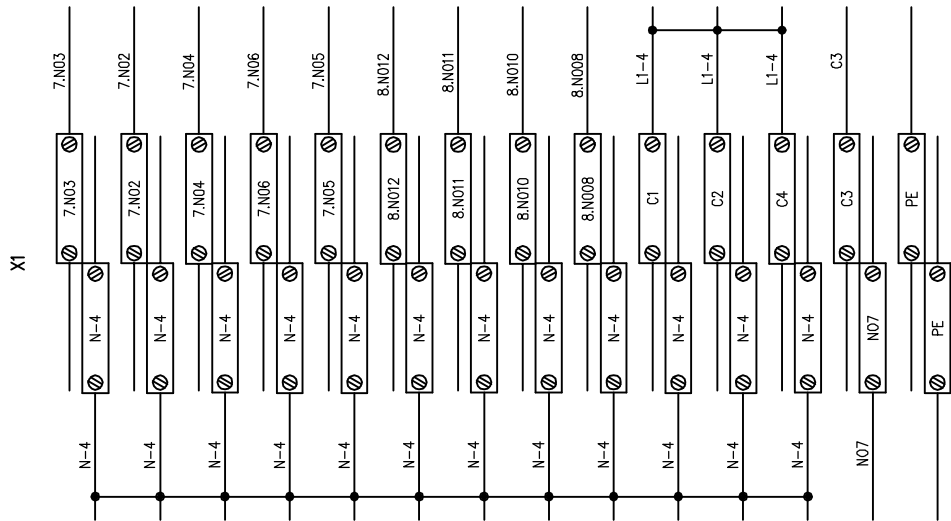






MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

MORSETTO TRIPLO G/V 2,5mmq MOLLA PE WAGO 2002-3207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00922()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00922()

TABE  
SCHALT

TABE  
WÄRM

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PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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TOT. FOLII  
TOTAL PAGES

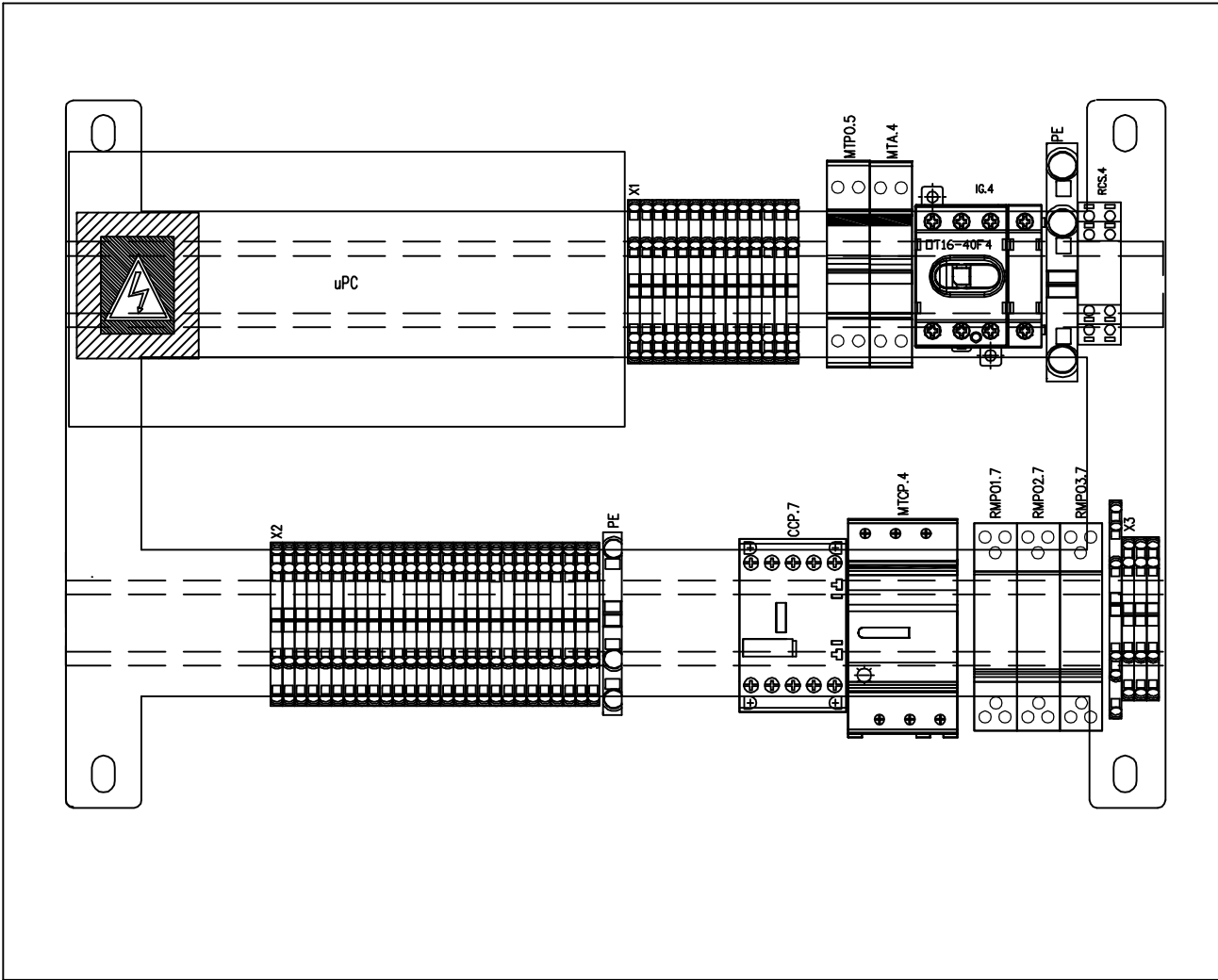
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TOTAL FEUILLES  
BLÄTTER GESAMT

# WRL

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| SEQUE       |    | SUITE          |
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| TOT. FOGLI  |    | TOTAL FEUILLES |
| TOTAL PAGES | 38 | BLÄTTER GESAMT |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                                                            | TECHNICAL DATA BOX                                                                                                           |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /                                   | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                               |
| DIMENSIONI                                                                                                                          | DIMENSION                                                                                                                    |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                                                  | height: 350<br>Width: 500<br>Deep: 160                                                                                       |
| NOTE                                                                                                                                | NOTES                                                                                                                        |
| DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSION                                                                                                                           | ABMESSUNGEN                                                                                                                  |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                                     | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                                        |
| NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

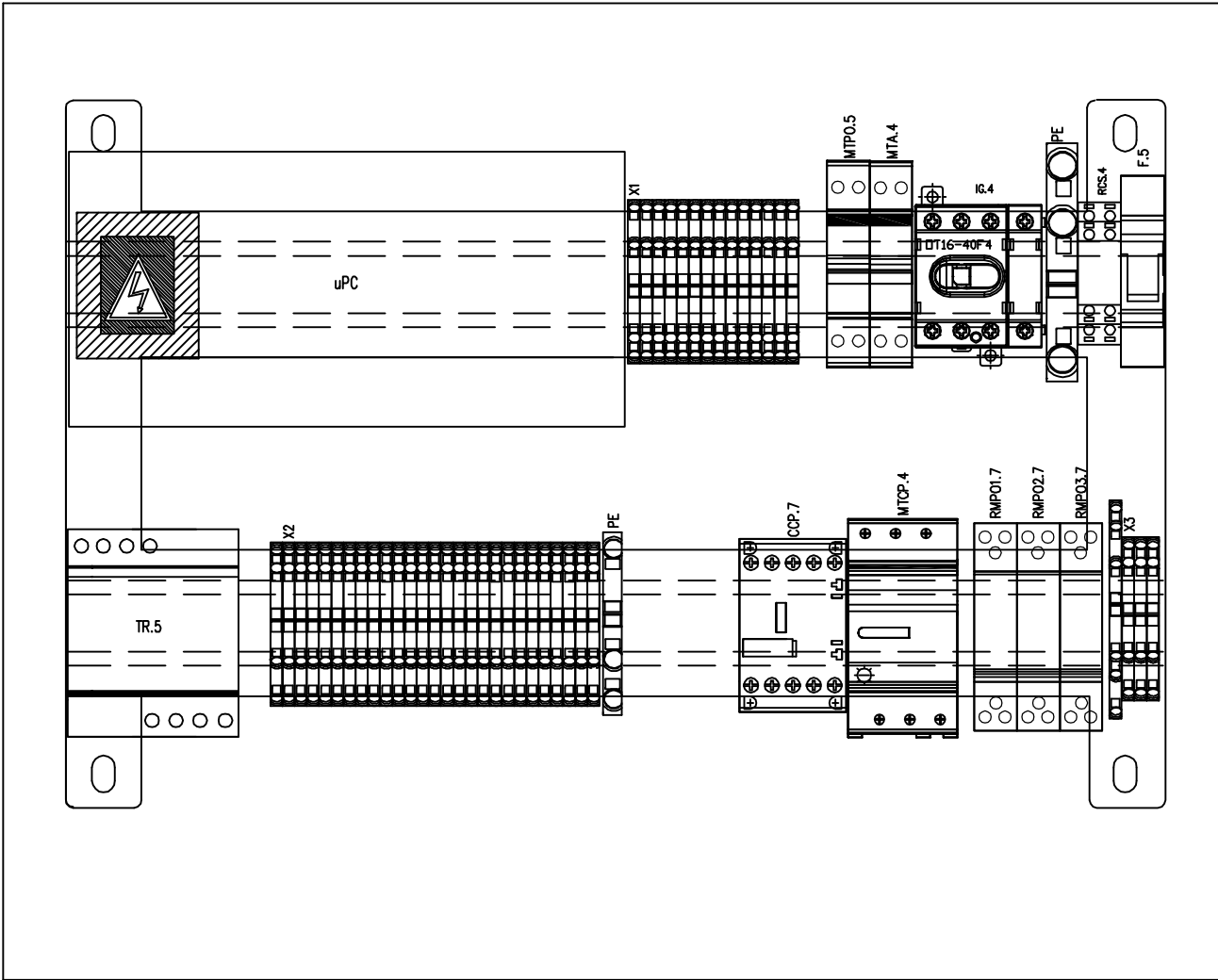
☐ QUADRO DI SERIE

☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                                                             |                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>DATI TECNICI CARPENTERIA</b><br><br>Marca: –<br>Colore: –<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /    | <b>TECHNICAL DATA BOX</b><br><br>Mark: –<br>Color: –<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /      |
| <b>DIMENSIONI</b><br><br>Altezza: 350<br>Larghezza: 500<br>Profondità: 160                                                                  | <b>DIMENSION</b><br><br>height: 350<br>Width: 500<br>Deep: 160                                                                       |
| <b>NOTE</b>                                                                                                                                 | <b>NOTES</b>                                                                                                                         |
| <b>DONNÉES TECHNIQUES<br/>TABLEAU</b><br>Marque: –<br>Couleur: –<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | <b>TECHNISCHEN DATEN<br/>DES RAHMENS</b><br>Marke: –<br>Farbe: –<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| <b>DIMENSION</b><br><br>Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                     | <b>ABMESSUNGEN</b><br><br>Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                      |
| <b>NOTE</b>                                                                                                                                 | <b>BEMERKUNGEN</b>                                                                                                                   |

☒ VERSIONE CON VALVOLA MODULANTE A 2 VIE  
☒ Version with 2-way modulating valve

☒ Version avec Vanne modulante à deux voies  
☒ Version mit Modulierendes Zwei-Wege-Ventil

WRL

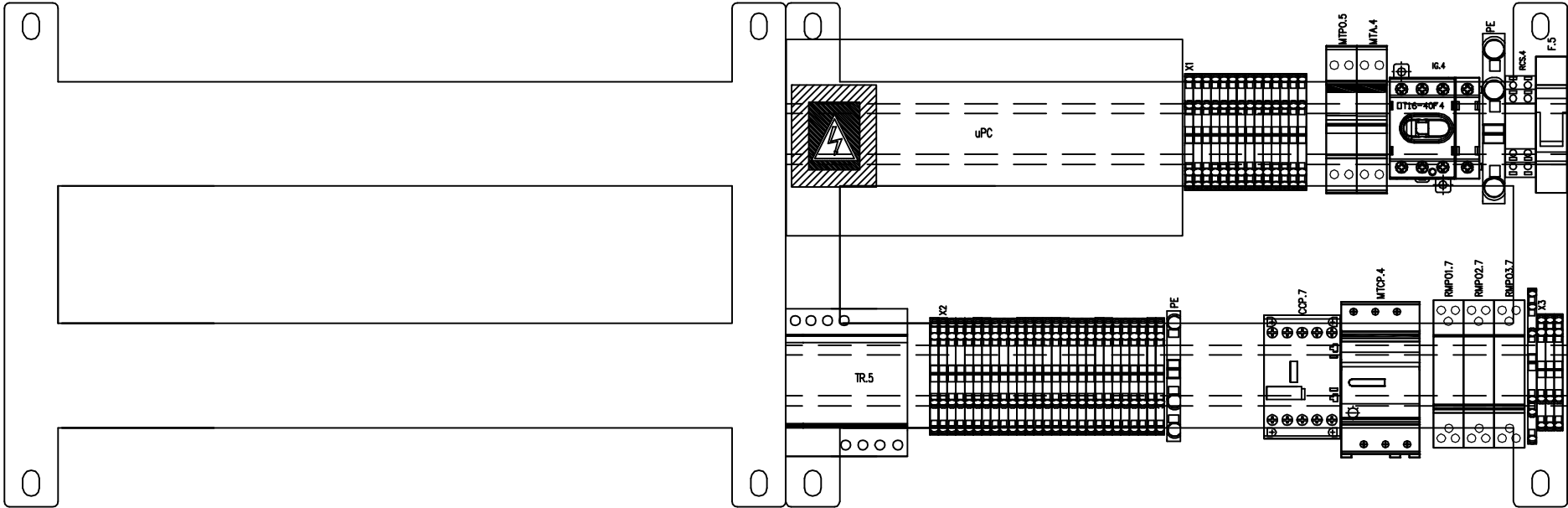
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|---------------------------------------------------------------------------------------------------------|----|----|----|---------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|
| 00                                                                                                      | 01 | 02 | 03 | 04                                                                                                      | 05 | 06                                                                                                                                                                                                                                                     | 07 | 08                                                                                                 | 09 | 10                                                                                                                                                  | 11 | 12 | 13 | 14 | 15 |
|                                                                                                         |    |    |    | DATI TECNICI CARPENTERIA                                                                                |    | TECHNICAL DATA BOX                                                                                                                                                                                                                                     |    | DONNÉES TECHNIQUES<br>TABLEAU                                                                      |    | TECHNISCHEN DATEN<br>DES RAHMENS                                                                                                                    |    |    |    |    |    |
|                                                                                                         |    |    |    | Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /       |    | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                                                                                                                                                         |    | Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / |    | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: /                                                            |    |    |    |    |    |
|                                                                                                         |    |    |    | DIMENSIONI                                                                                              |    | DIMENSION                                                                                                                                                                                                                                              |    | DIMENSION                                                                                          |    | ABMESSUNGEN                                                                                                                                         |    |    |    |    |    |
|                                                                                                         |    |    |    | Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                      |    | height: 350<br>Width: 1040<br>Deep: 160                                                                                                                                                                                                                |    | Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                   |    | Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                                                                              |    |    |    |    |    |
|                                                                                                         |    |    |    | NOTE                                                                                                    |    | NOTES                                                                                                                                                                                                                                                  |    | NOTE                                                                                               |    | BEMERKUNGEN                                                                                                                                         |    |    |    |    |    |
| VISTA INTERNA<br>fore sight internal<br>vue extérieur<br>innenansicht                                   |    |    |    |                                                                                                         |    |                                                                                                                                                                                                                                                        |    |                                                                                                    |    |                                                                                                                                                     |    |    |    |    |    |
|                                                                                                         |    |    |    |                                                                                                         |    |                                                                                                                                                                                                                                                        |    |                                                                                                    |    |                                                                                                                                                     |    |    |    |    |    |
| <div><div><div>A</div><div>A</div></div><div>VERSIONE CON ACCUMULO<br/>Version with Storage</div></div> |    |    |    | <div><div><div>A</div><div>A</div></div><div>Version avec Stockage<br/>Version mit Lagerung</div></div> |    |                                                                                                                                                                                                                                                        |    |                                                                                                    |    |                                                                                                                                                     |    |    |    |    |    |
| <div><div>WRL</div><div>CLIENTE<br/>CUSTOMER</div></div>                                                |    |    |    | <div><div>CLIENT<br/>KUNDE</div><div>QUADRO<br/>BOARD</div></div>                                       |    | <div><div>QUADRO EL. POMPA TRIFASE WRL - 2E00922()<br/>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00922()</div><div><div>DATA<br/>DATE</div><div>DATE<br/>DATUM</div><div>AGGIORNATO<br/>UPDATING</div><div>CHANGE<br/>FORTSCHREIBEN</div></div></div> |    |                                                                                                    |    | <div><div>PROGETTISTA<br/>TECHNICIAN</div><div>MAQUETTISTE<br/>DER ENTWERFER</div><div>NR. DIS.<br/>DRAW NR.</div><div>PROJECT<br/>BILD</div></div> |    |    |    |    |    |



A  
B  
C  
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|                                                                                                   |                                                                                                |                                                                                                    |                                                                                          |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                          | TECHNICAL DATA BOX                                                                             | DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                         |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                        | DIMENSION                                                                                      | DIMENSION                                                                                          | ABMESSUNGEN                                                                              |
| Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                | height: 350<br>Width: 1040<br>Deep: 160                                                        | Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                   | Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                   |
| NOTE                                                                                              | NOTES                                                                                          | NOTE                                                                                               | BEMERKUNGEN                                                                              |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



**E** VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE  
**E** Version with Storage + 2-way modulating valve

**E** Version avec Stockage + Vanne modulante à deux voies  
**E** Version mit Lagerung + Modulierendes Zwei-Wege-Ventil

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00922()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00922()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00922()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00922()

FOGLIO  
PAGE

14C

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

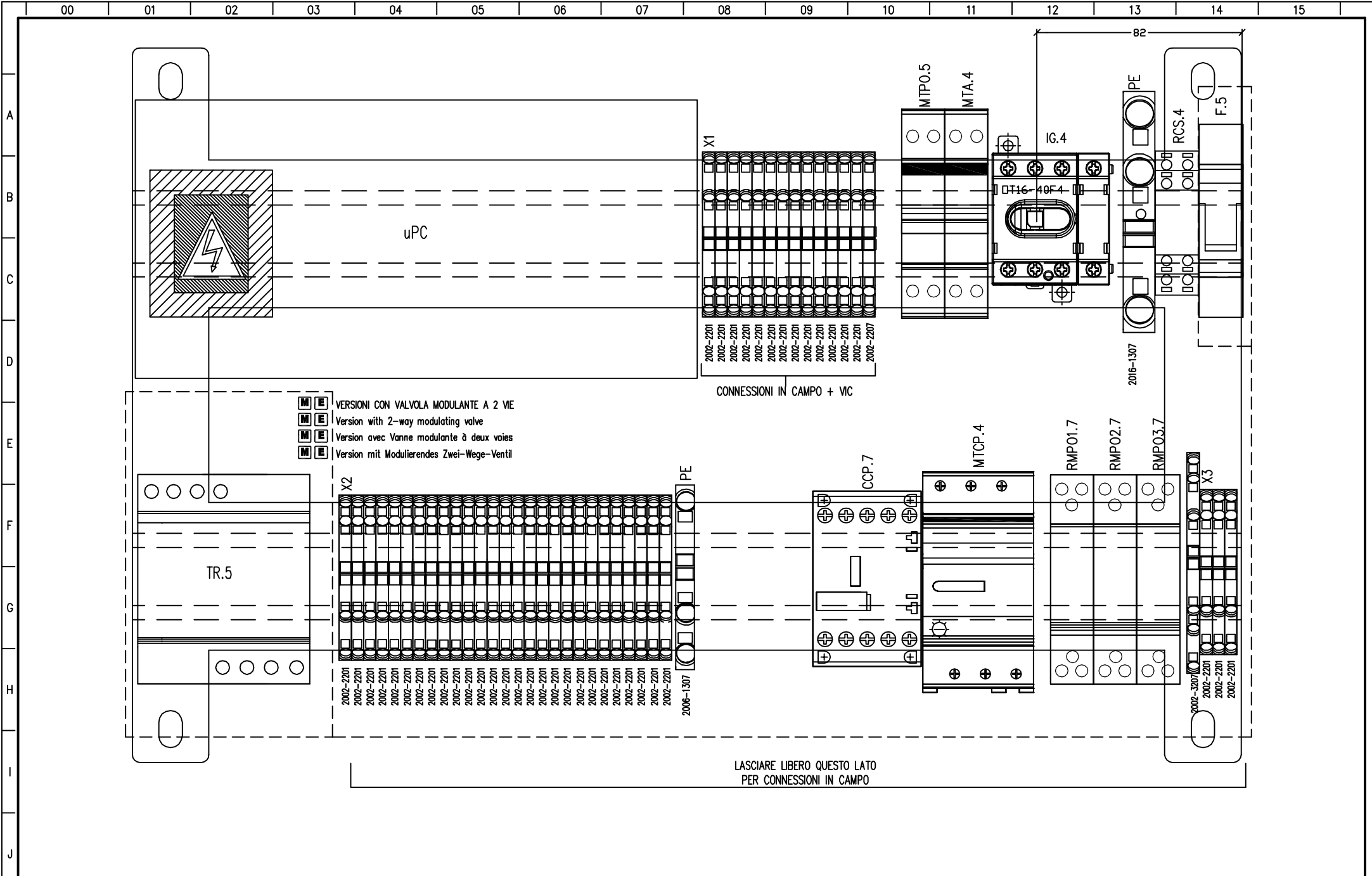
NR. DIS. PROJECT  
DRAW NR. BILD  
10-404

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEGUE NEXT PAGE  
NEXT PAGE  
14D

TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 38  
BLÄTTER GESAMT



|                                                       |            |           |                  |
|-------------------------------------------------------|------------|-----------|------------------|
| POMPA TRIFASE                                         |            |           | WRL025<br>WRL030 |
| Quadro elettrico                                      |            | REV       |                  |
| cod.                                                  | 2E00923    | 1         |                  |
| cod.                                                  | 2E00923A   | 1         | A                |
| cod.                                                  | 2E00923M   | 1         | M                |
| cod.                                                  | 2E00923E   | 1         | E                |
|                                                       |            |           |                  |
| rif.                                                  | 2E00787B_2 | 2E00857_3 |                  |
| lotto                                                 | nr.: XXXX  |           |                  |
| VERS.                                                 |            |           |                  |
| SI SOFTSTARTER – NO MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |                  |

|                                     |                                        |                                     |                                     |                                     |                                           |                                     |                                            |
|-------------------------------------|----------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------|--------------------------------------------|
| <input type="checkbox"/>            | QUADRO DI SERIE                        | <input type="checkbox"/>            | Standard Board                      | <input type="checkbox"/>            | Tableau standard                          | <input type="checkbox"/>            | serienmäßig schalttafel                    |
| <input checked="" type="checkbox"/> | VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> | Version with Storage                | <input checked="" type="checkbox"/> | Version avec Stockage                     | <input checked="" type="checkbox"/> | Version mit Lagerung                       |
| <input checked="" type="checkbox"/> | VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> | Version with 2-way modulating valve | <input checked="" type="checkbox"/> | Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> | Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> | A + M                                  | <input checked="" type="checkbox"/> | A + M                               | <input checked="" type="checkbox"/> | A + M                                     | <input checked="" type="checkbox"/> | A + M                                      |

|                        |                  |                      |     |                      |    |
|------------------------|------------------|----------------------|-----|----------------------|----|
| WRL                    |                  |                      |     |                      |    |
| COSTRUTTORE            |                  | Manufacturer         |     | NORMA CEI EN 60335-1 |    |
| COD. ARTICOLO          | Article Code     | 2E009230_01 03/03/11 |     |                      |    |
| ALIMENTAZIONE          | Power supply     | 3/N/PE - 50 Hz 400V  |     |                      |    |
| TENSIONE NOMINALE      | Nominal Voltage  | V                    | 400 | Hz                   | 50 |
| POMPA DI CALORE WRL025 | Heat Pump WRL025 | A Max                | 6,5 |                      |    |
| POMPA DI CALORE WRL030 | Heat Pump WRL030 | A Max                | 7   |                      |    |
| GRADO DI PROTEZIONE    |                  | Level of protection  |     | IP                   | 2x |
| NOTE: NR. LOTTO=       |                  | Notes                |     | XXXX                 |    |

|                        |                   |                      |     |                      |    |
|------------------------|-------------------|----------------------|-----|----------------------|----|
| WRL                    |                   |                      |     |                      |    |
| Constructeur           |                   | Maschinenhersteller  |     | NORMA CEI EN 60335-1 |    |
| Code Article           | Artikelcode       | 2E009230_01 03/03/11 |     |                      |    |
| Alimentation           | Stronversorgung   | 3/N/PE - 50 Hz 400V  |     |                      |    |
| Tension Nominale       | Nennspannung      | V                    | 400 | Hz                   | 50 |
| Pompe a Chaleur WRL025 | Wärmepumpe WRL025 | A Max                | 6,5 |                      |    |
| Pompe a Chaleur WRL030 | Wärmepumpe WRL030 | A Max                | 7   |                      |    |
| Degrè de protection    |                   | Schutzgrad           |     | IP                   | 2x |
| Note                   |                   | Anmerkungen:         |     | XXXX                 |    |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTROLÉE     |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD              |
|                                                                                                                                                      |                 | 10-405                       |                              |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                |
|                                                                                                                                                      |                 | 27/09/10                     |                              |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN      |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00923                      | TABLEAU<br>SCHALTAFEL        |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 |                              |                              |
|                                                                                                                                                      |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT           |
|                                                                                                                                                      |                 | 1100                         |                              |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION |                              |
|                                                                                                                                                      |                 | XXXX                         |                              |

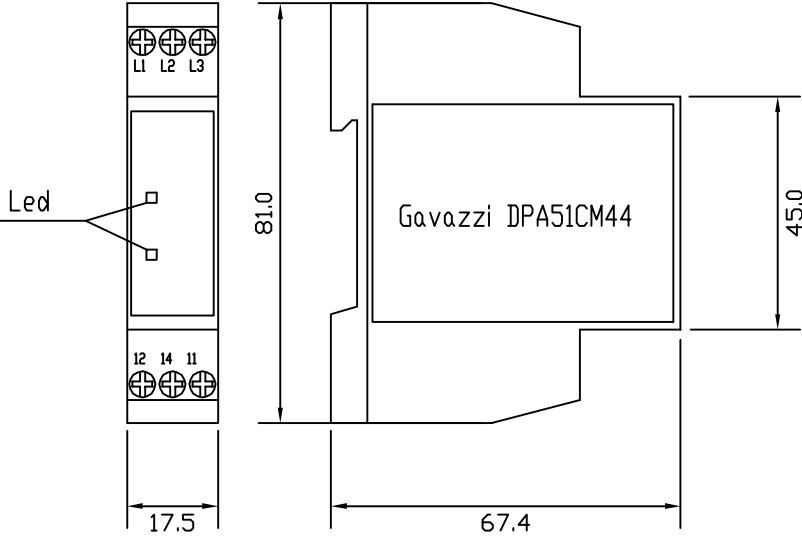
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IN ALTERNATIVA  
alternative  
alternative  
alternative

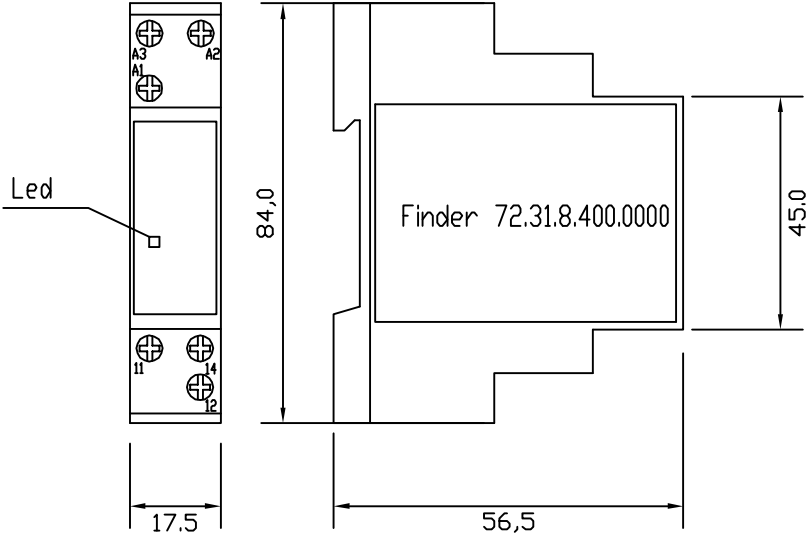
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L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

IN ALTERNATIVA  
alternative  
alternative  
alternative

Finder 72.31.8.400.0000  
A1 = L1  
A2 = L2  
A3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.

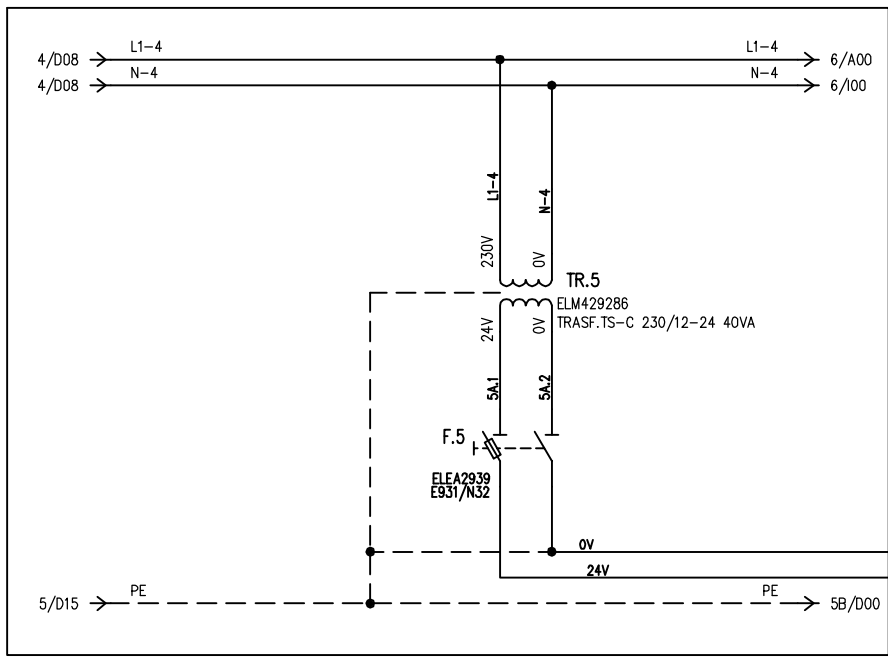


RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

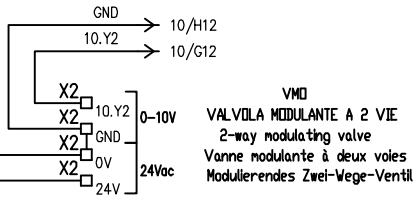
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|-----|---------------------|-----------------|----------------------------------------------------|---------------|------------------------|-------------------------|--------------------------------------------------|------------------------------|----------------------|-----------------|----|---------------|-------------------------------------|---------------------------------|-------------------------|--------------------|--------------------|----|----------------------------------|
|     | 00                  | 01              | 02                                                 | 03            | 04                     | 05                      | 06                                               | 07                           | 08                   | 09              | 10 | 11            | 12                                  | 13                              | 14                      | 15                 |                    |    |                                  |
| A   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| B   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| C   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| D   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| E   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| F   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| G   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| H   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| I   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| J   |                     |                 |                                                    |               |                        |                         |                                                  |                              |                      |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL - 2E00923()           |               | TABLEAU                |                         | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00923() |                              | FORIJO               |                 | 5  | PAGE<br>SEITE |                                     |                                 |                         |                    |                    |    |                                  |
|     |                     |                 | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00923() |               | SCHALTТАFEL            |                         | WÄRMEPUMPE SCHALTТАFEL 3-PHASEN WRL - 2E00923()  |                              | PAGE                 |                 |    |               |                                     |                                 |                         |                    |                    |    |                                  |
|     |                     |                 | DATA<br>DATE                                       | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGÉ<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN                        | MAQUETTISTE<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROJECT<br>BILD |    |               | DICHIARAZIONE N°<br>DECLARATION NR. | DECLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SUITE<br>NEXT PAGE | 5A | TOTAL FEUILLES<br>BLÄTTER GESAMT |
|     |                     |                 | 27/09/10                                           |               |                        |                         | P.E.                                             |                              | 10-405               |                 |    |               | XXXX                                |                                 | 1100                    |                    | 38                 |    |                                  |



A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |            | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |     |     |     |     |     |     |     | nomenclature<br>betrieb art         |                                                | utilisateur<br><br>users          |                               |                          |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-------------------------------------|------------------------------------------------|-----------------------------------|-------------------------------|--------------------------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     | kW                                  | macht<br>insgesamt                             | puissance<br>totale               | typ                           | type                     |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |            |                                                                                    |     |     |     |     |     |     |     | A                                   | aufgenommene<br>stromung                       | courant lb                        | kW                            | aufgenommene<br>leistung |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     |                                     | COS φ                                          | qualité der<br>zeitgleichzeitigen | facteur de<br>contemporain    |                          |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |            |                                                                                    |     |     |     |     |     |     |     | maschinenhersteller<br>constructeur |                                                |                                   | disjoncteur or<br>sectionneur |                          |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                |                                   | type                          |                          |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N        |                                                                                    |     |     |     |     |     |     |     | A                                   | In                                             | anzahl von<br>stangen             | nombre des<br>pôles           |                          |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |            |                                                                                    |     |     |     |     |     |     |     | A                                   | Idn                                            | A                                 | Ith                           |                          |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA         |                                                                                    |     |     |     |     |     |     |     | kA                                  | abschaltleistung<br>pouvoir de<br>interruption | A (kurve)                         | Im (courbe)                   |                          |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                |                                   | type                          |                          |
|                                                                            | CALIBRO                                | caliber                   |                         | 2A gL                                                                                   |            |                                                                                    |     |     |     |     |     |     |     | A                                   |                                                |                                   | kaliber                       |                          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                |                                   | taille                        |                          |
| CONTATTORE<br>contactor                                                    | In                                     | A                         | Pn                      | kW                                                                                      |            |                                                                                    |     |     |     |     |     |     |     | kW                                  | Pn                                             | A                                 | In                            |                          |
|                                                                            | TIPO                                   |                           |                         | type                                                                                    |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                |                                   | type                          |                          |
| RELE" TERMICO<br>relay thermal                                             | TIPO                                   |                           |                         | type                                                                                    |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                |                                   | type                          |                          |
|                                                                            | TARATURA                               |                           |                         | calibration                                                                             |            | A                                                                                  |     |     |     |     |     |     |     | A                                   |                                                |                                   | eichung                       |                          |
| LINEA DI<br>POTENZA<br>power<br>line                                       | TIPO CAVO                              |                           |                         | cable type                                                                              |            |                                                                                    |     |     |     |     |     |     |     | linie art                           |                                                |                                   | type de câble                 |                          |
|                                                                            | FORMAZIONE                             |                           |                         | section                                                                                 |            |                                                                                    |     |     |     |     |     |     |     | abschnitt kabel                     |                                                |                                   | câble section                 |                          |
|                                                                            | LUNGHEZZA                              |                           |                         | length                                                                                  |            | m                                                                                  |     |     |     |     |     |     |     | m                                   |                                                |                                   | kable-länge                   |                          |
|                                                                            | Iz                                     |                           |                         | A                                                                                       |            |                                                                                    |     |     |     |     |     |     |     | A                                   |                                                |                                   | Iz                            |                          |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d. | %                                                                                  |     |     |     |     |     |     |     |                                     | %                                              | spannungsfaktor                   | Cdt tot. a lb                 |                          |
|                                                                            | Zk                                     | mΩ                        | Zs                      | mΩ                                                                                      |            |                                                                                    |     |     |     |     |     |     |     |                                     | mΩ                                             | Zs                                | mΩ                            |                          |
|                                                                            | Ik1                                    | Ik1                       | Ik1                     | Ik1                                                                                     | Ik1        | Ik1                                                                                | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1                                 | Ik1                                            | Ik1                               | Ik1                           |                          |
|                                                                            | Ik1                                    | Ik1                       | Ik1                     | Ik1                                                                                     | Ik1        | Ik1                                                                                | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1                                 | Ik1                                            | Ik1                               | Ik1                           |                          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00923()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00923()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00923()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00923()

FOLIO  
PAGE

5A

PAGE  
SEITE

DATA  
DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

SEQUE  
NEXT PAGE

5B

SUITE  
METTER

TOT. FOLII  
TOTAL PAGES

38

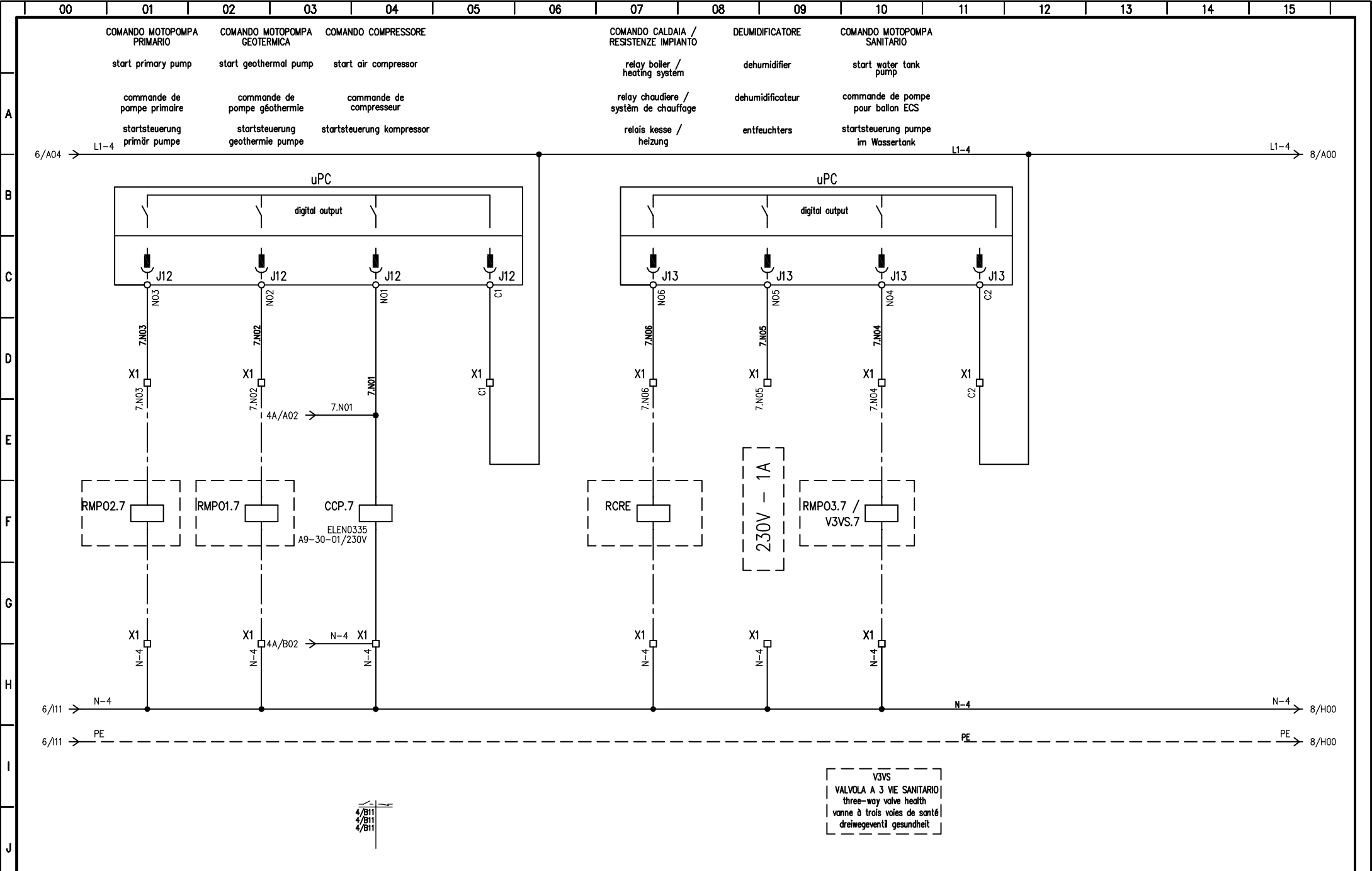
TOTAL FEUILLES  
BLATTIER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|------------|--------------------------------------------------|------------------|------------------|-------------|---------|-------------|----|----------------|
|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08         | 09                                               | 10               | 11               | 12          | 13      | 14          | 15 |                |
| A   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| B   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| C   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| D   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| E   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| F   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| G   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| H   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| I   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| J   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00923()           |            |               |             |               | TABLEAU    | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00923() |                  |                  |             |         | FOGLIO      | 5B | PAGE           |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00923() |            |               |             |               | SCHALTAFEL | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00923()   |                  |                  |             |         | PAGE        |    | SEITE          |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.   | PROJECT                                          | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL | SEQUE       |    | SUITE          |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.   | BILD                                             | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | NEXT PAGE   |    | 6              |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-405     |                                                  | XXXX             |                  | 1100        |         | TOT. FOGLI  | 38 | TOTAL FEUILLES |
|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         | TOTAL PAGES |    | BLÄTTER GESAMT |

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de électrovalve électronique  
startsteuerung ventilelektronik



|             |    |                |
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| SEQUE       |    | SUITE          |
| NEXT PAGE   | 7  | WEITER         |
| TOT. FOGLI  |    | TOTAL FEUILLES |
| TOTAL PAGES | 38 | BLÄTTER GESAMT |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00923()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00923()

TABEUA  
SCHALTAFEL

TABEUA Pompe a Chaleur TRIPHASE WRL - 2E00923()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00923()

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AGGIORNATO  
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CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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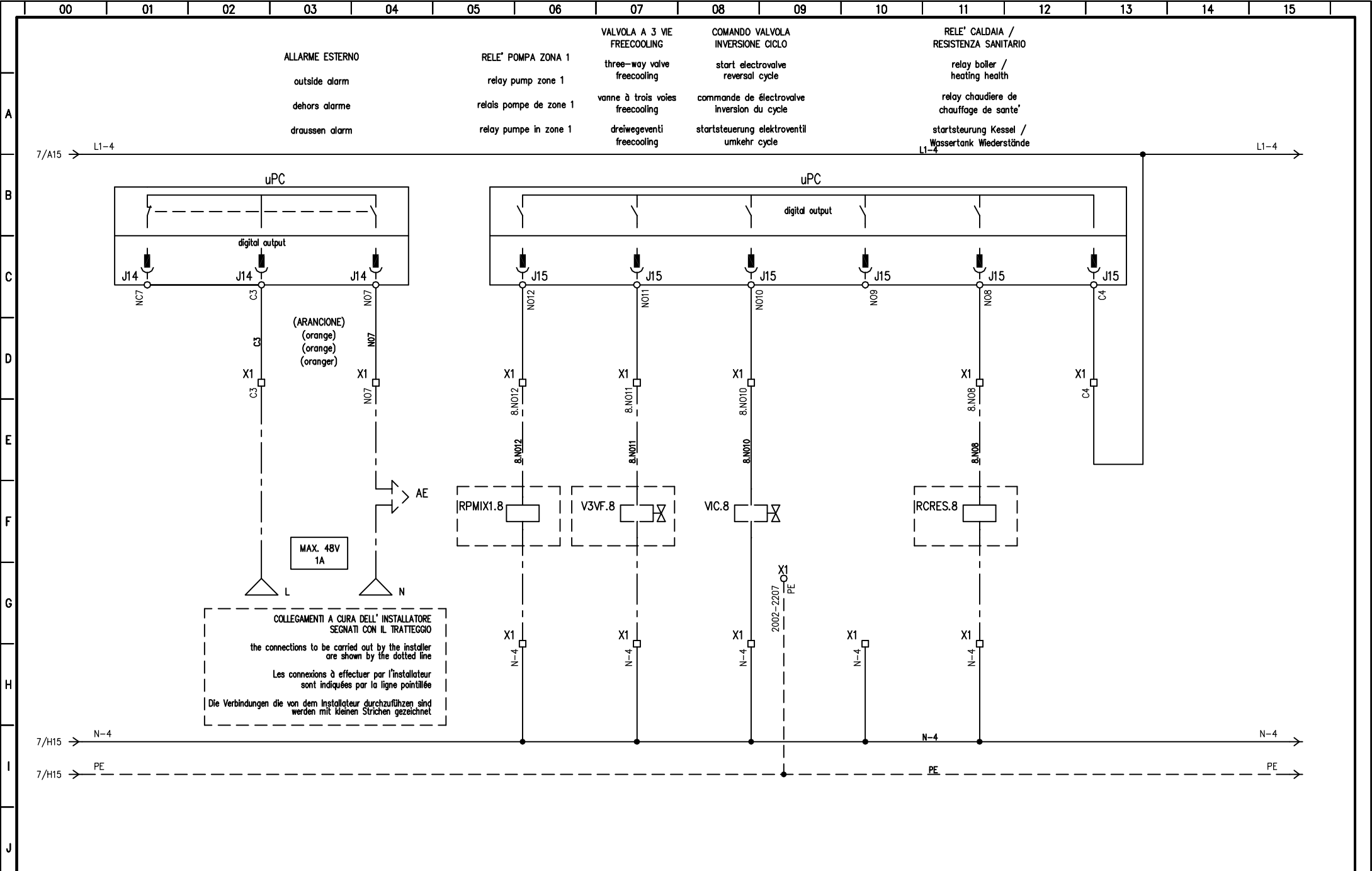
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SUITE  
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TOT. FOLII  
TOTAL PAGES

38

TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00923()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00923()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00923()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00923()

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PAGE

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DATA  
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AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTA  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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NEXT PAGE

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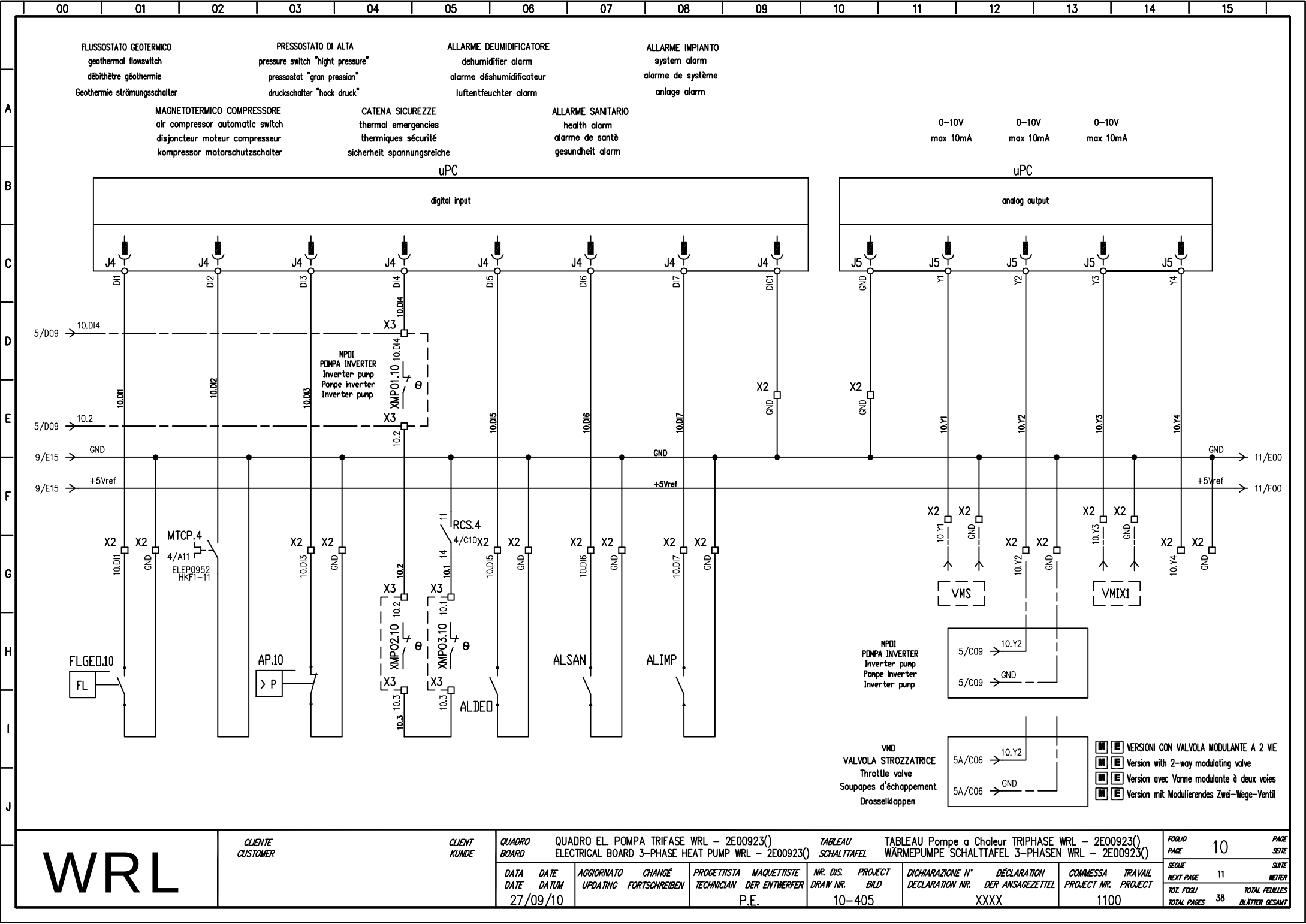
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WEITER

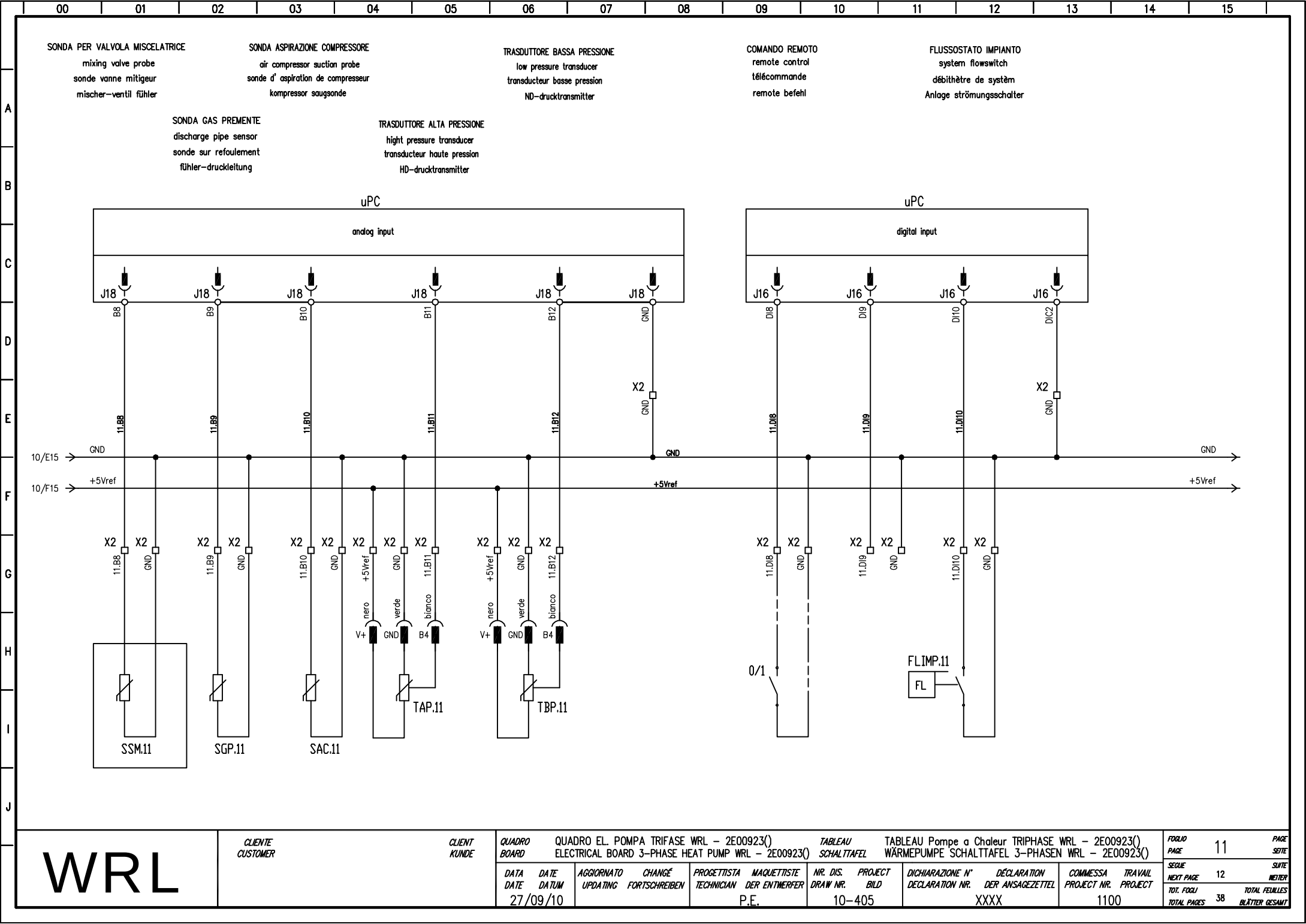
TOT. FOGLI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLÄTTER GESAMT



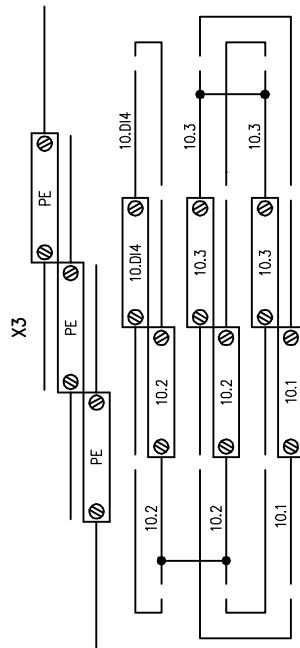
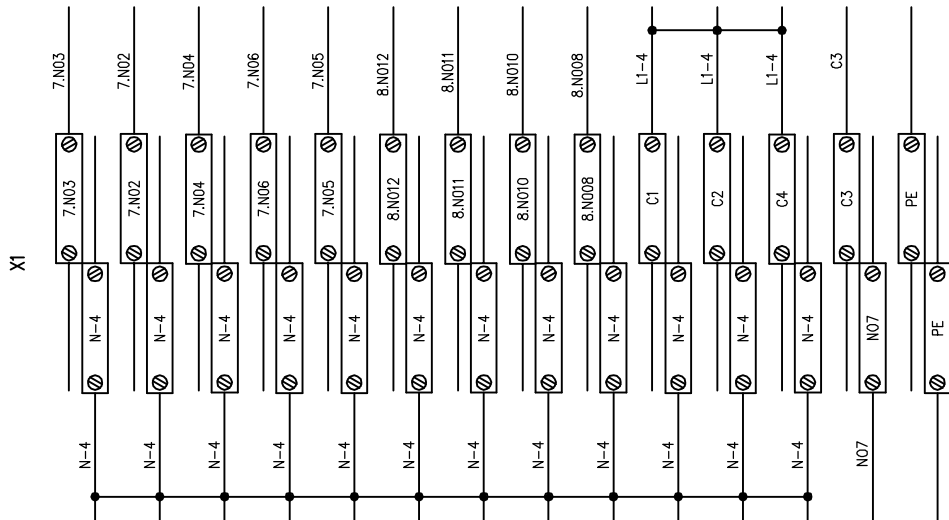






MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

MORSETTO TRIPLO G/V 2,5mmq MOLLA PE WAGO 2002-3207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00923()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00923()

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PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
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COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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10-405

XXXX

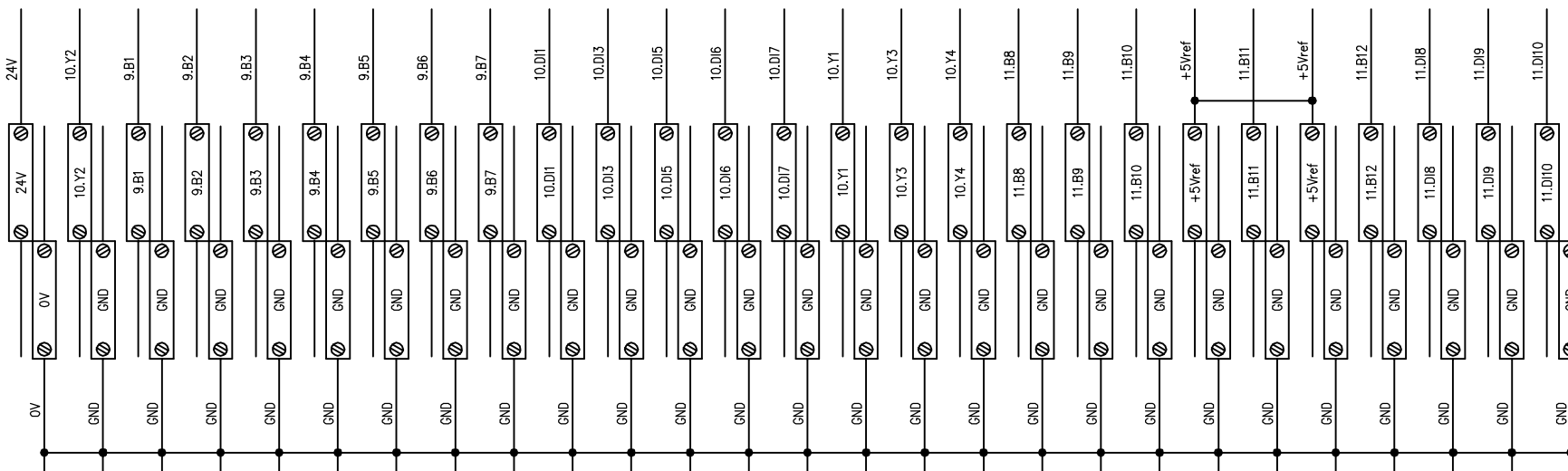
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TOTAL PAGES

38

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BLÄTTER GESAMT

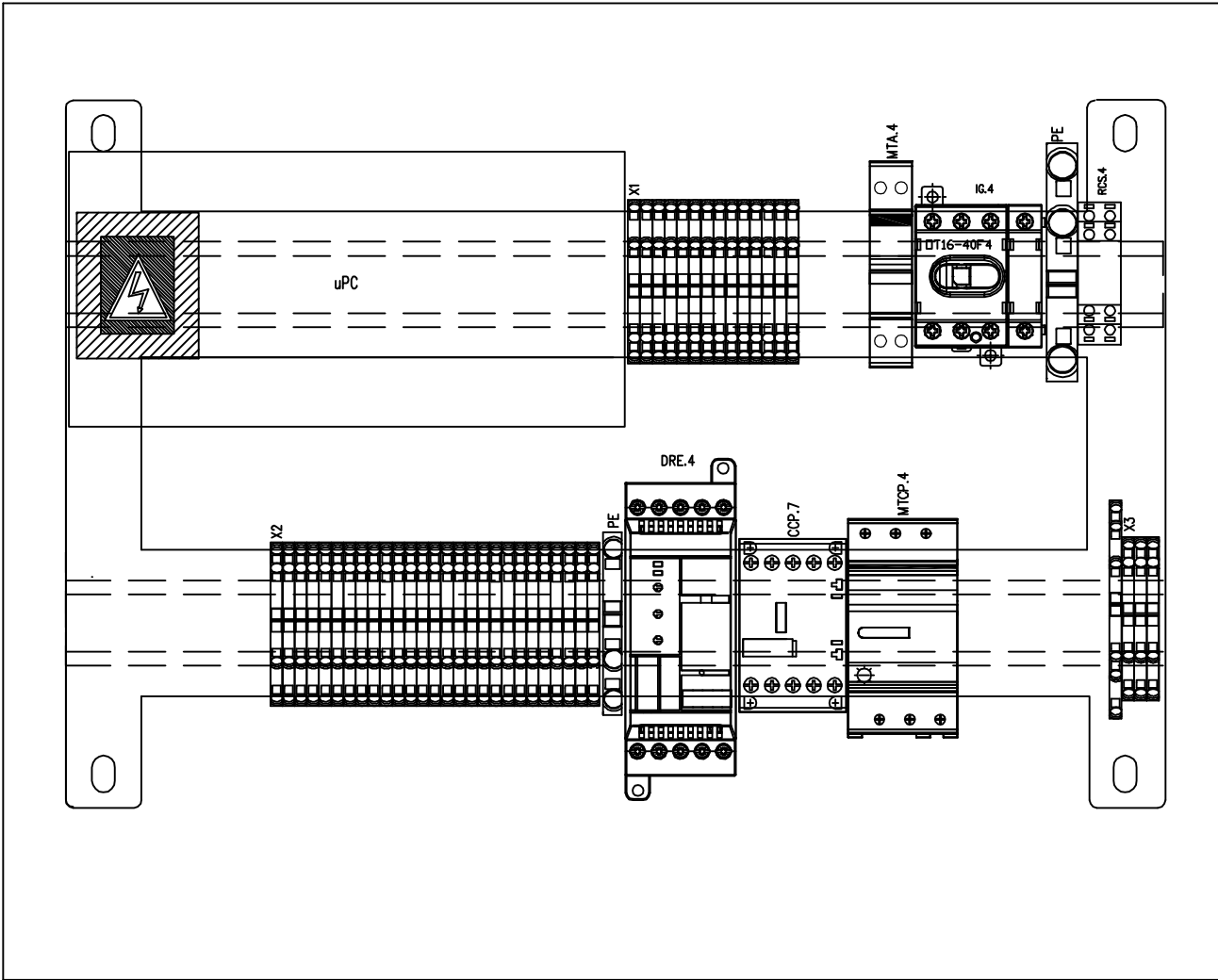
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# WRL

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| SEQUE       |    | SUITE          |
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| TOT. FOGLI  |    | TOTAL FEUILLES |
| TOTAL PAGES | 38 | BLÄTTER GESAMT |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                    |                                                                                                |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                           | TECHNICAL DATA BOX                                                                             |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /  | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                         | DIMENSION                                                                                      |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                 | height: 350<br>Width: 500<br>Deep: 160                                                         |
| NOTE                                                                                               | NOTES                                                                                          |
| DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                               |
| Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: /       |
| DIMENSION                                                                                          | ABMESSUNGEN                                                                                    |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                    | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                          |
| NOTE                                                                                               | BEMERKUNGEN                                                                                    |

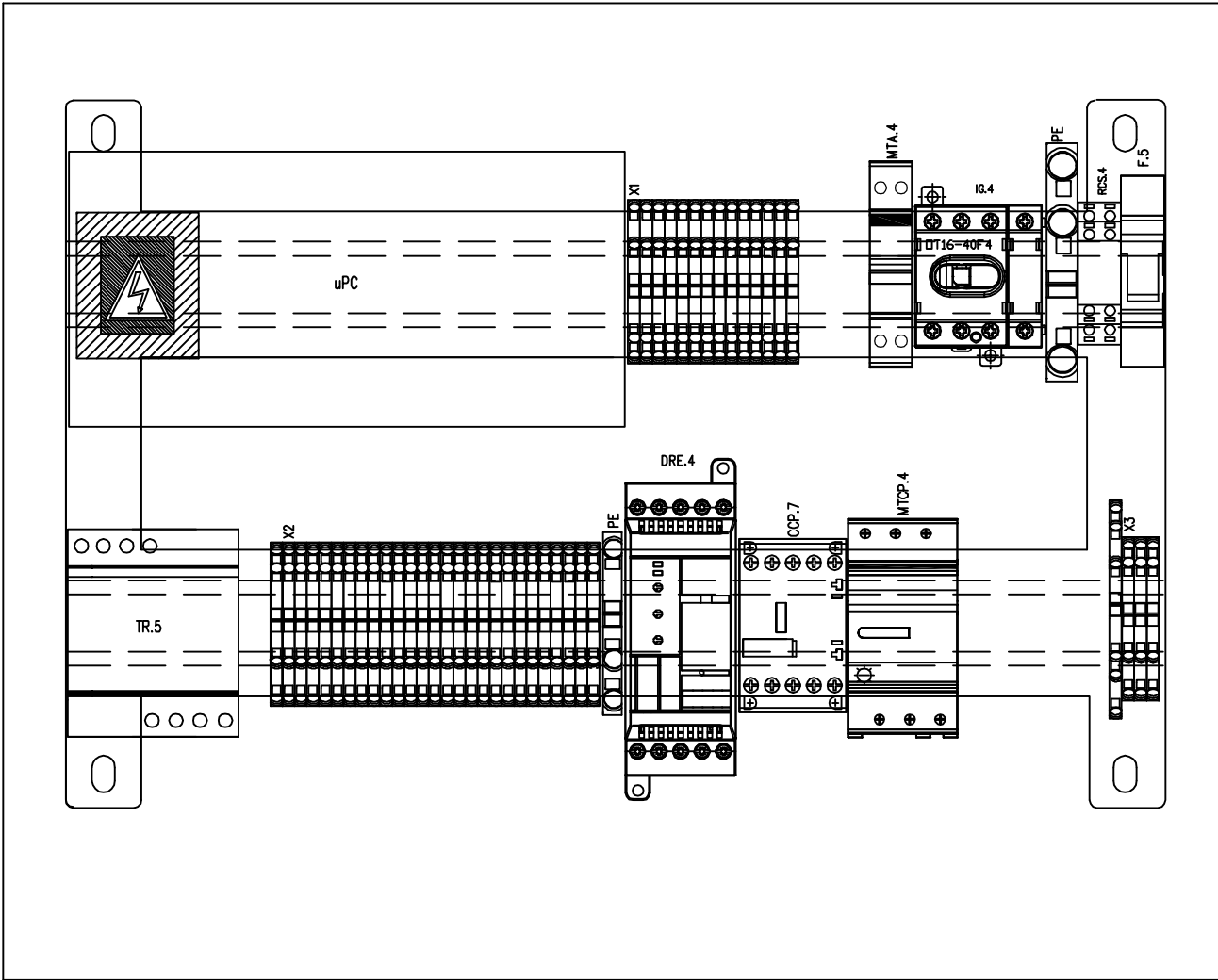
☐ QUADRO DI SERIE

☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



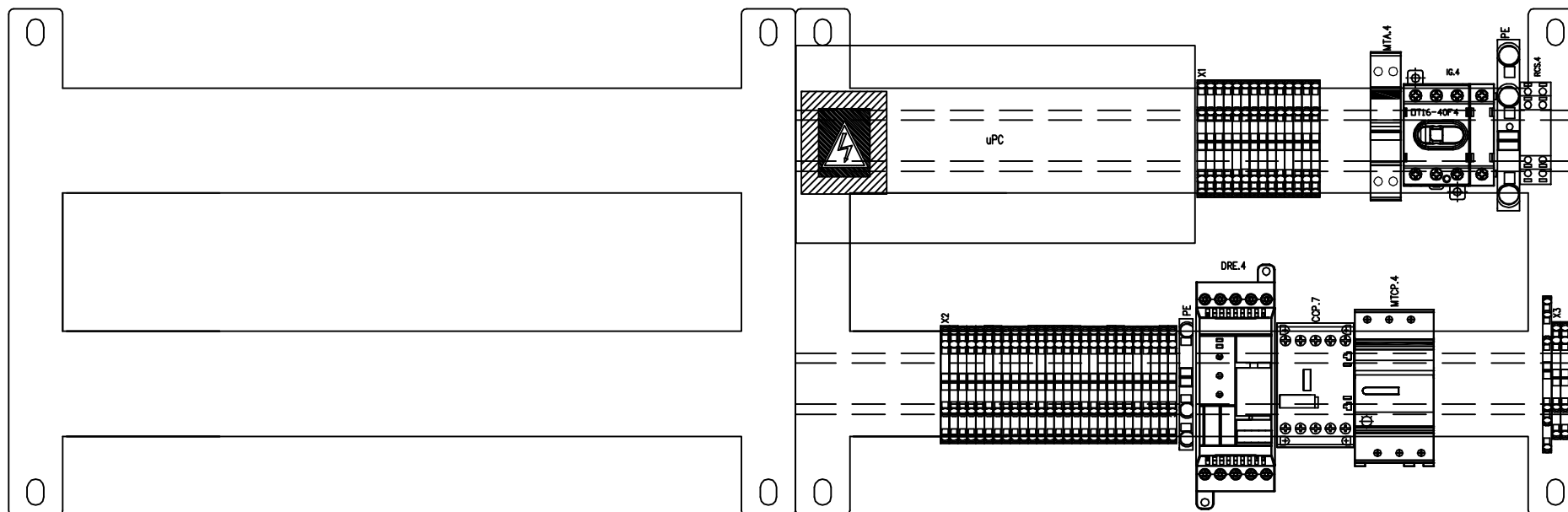
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| <b>DATI TECNICI CARPENTERIA</b><br><br>Marca: –<br>Colore: –<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /    | <b>TECHNICAL DATA BOX</b><br><br>Mark: –<br>Color: –<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /      |
| <b>DIMENSIONI</b><br><br>Altezza: 350<br>Larghezza: 500<br>Profondità: 160                                                                  | <b>DIMENSION</b><br><br>height: 350<br>Width: 500<br>Deep: 160                                                                       |
| <b>NOTE</b>                                                                                                                                 | <b>NOTES</b>                                                                                                                         |
| <b>DONNÉES TECHNIQUES<br/>TABLEAU</b><br>Marque: –<br>Couleur: –<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | <b>TECHNISCHEN DATEN<br/>DES RAHMENS</b><br>Marke: –<br>Farbe: –<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| <b>DIMENSION</b><br><br>Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                     | <b>ABMESSUNGEN</b><br><br>Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                      |
| <b>NOTE</b>                                                                                                                                 | <b>BEMERKUNGEN</b>                                                                                                                   |

☒ VERSIONE CON VALVOLA MODULANTE A 2 VIE  
☒ Version with 2-way modulating valve

☒ Version avec Vanne modulante à deux voies  
☒ Version mit Modulierendes Zwei-Wege-Ventil

WRL

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



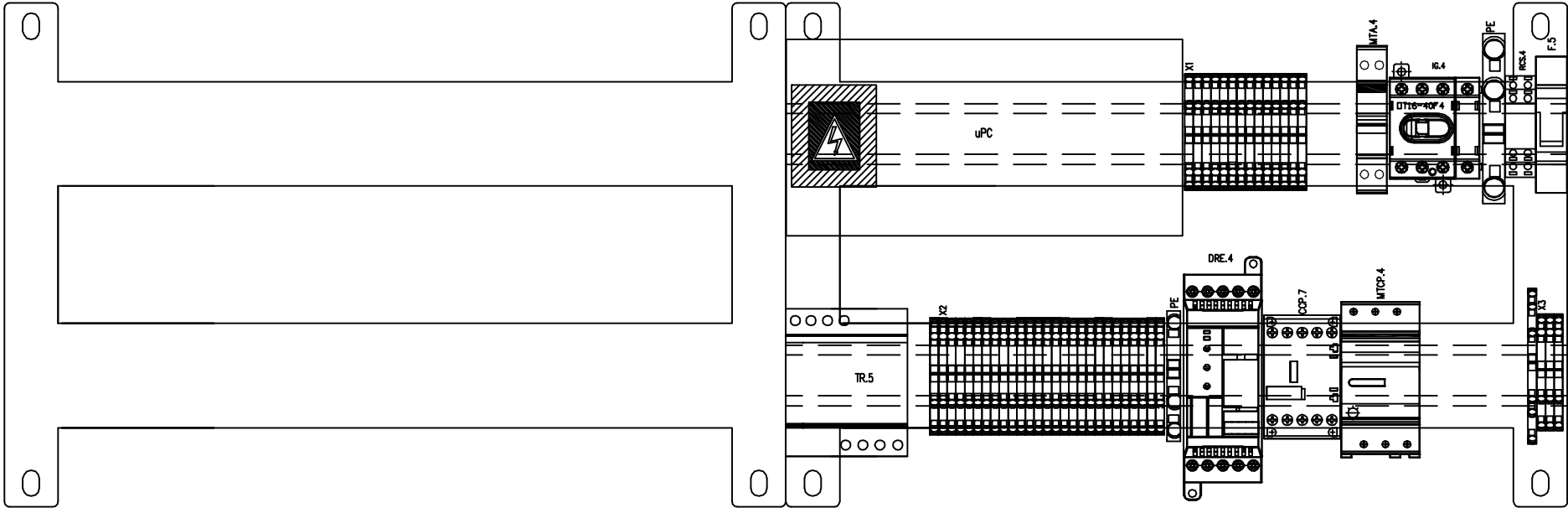
# WRL

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| SEQUE       |     | SUITE          |
| NEXT PAGE   | 14C | WEITER         |
| TOT. FOGLI  |     | TOTAL FEUILLES |
| TOTAL PAGES | 38  | BLÄTTER GESAMT |

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|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA<br>Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNICAL DATA BOX<br>Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI<br>Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                              | DIMENSION<br>height: 350<br>Width: 1040<br>Deep: 160                                                                 | DIMENSION<br>Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                                       | ABMESSUNGEN<br>Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                                        |
| NOTE                                                                                                                          | NOTES                                                                                                                | NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



**E** VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE  
**E** Version with Storage + 2-way modulating valve

**E** Version avec Stockage + Vanne modulante à deux voies  
**E** Version mit Lagerung + Modulierendes Zwei-Wege-Ventil

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00923()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00923()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00923()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00923()

FOGLIO  
PAGE

14C

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-405

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE 14D  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 38 BLÄTTER GESAMT



|                                                       |            |           |                  |
|-------------------------------------------------------|------------|-----------|------------------|
| POMPATRIFASE                                          |            |           | WRL025<br>WRL030 |
| Quadro elettrico                                      |            | REV       |                  |
| cod.                                                  | 2E00924    | 1         |                  |
| cod.                                                  | 2E00924A   | 1         | A                |
| cod.                                                  | 2E00924M   | 1         | M                |
| cod.                                                  | 2E00924E   | 1         | E                |
|                                                       |            |           |                  |
| rif.                                                  | 2E00787C_2 | 2E00857_3 |                  |
| lotto                                                 | nr.: XXXX  |           |                  |
| VERS.                                                 |            |           |                  |
| NO SOFTSTARTER – NO MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |                  |

|                                                                              |                                                                           |                                                                                 |                                                                                  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE                                     | <input type="checkbox"/> Standard Board                                   | <input type="checkbox"/> Tableau standard                                       | <input type="checkbox"/> serienmäßig schalttafel                                 |
| <input checked="" type="checkbox"/> A VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> A Version with Storage                | <input checked="" type="checkbox"/> A Version avec Stockage                     | <input checked="" type="checkbox"/> A Version mit Lagerung                       |
| <input checked="" type="checkbox"/> M VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> M Version with 2-way modulating valve | <input checked="" type="checkbox"/> M Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> M Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> E A + M                                  | <input checked="" type="checkbox"/> E A + M                               | <input checked="" type="checkbox"/> E A + M                                     | <input checked="" type="checkbox"/> E A + M                                      |

|                        |  |                     |  |                      |           |
|------------------------|--|---------------------|--|----------------------|-----------|
| WRL                    |  |                     |  |                      |           |
| Costruttore            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |           |
| COD. ARTICOLO          |  | Article Code        |  | 2E009240_01 03/03/11 |           |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE – 50 Hz 400V  |           |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V                    | 400 Hz 50 |
| POMPA DI CALORE WRL025 |  | Heat Pump WRL025    |  | A Max                | 6,5       |
| POMPA DI CALORE WRL030 |  | Heat Pump WRL030    |  | A Max                | 7         |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP                   | 2x        |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 |           |

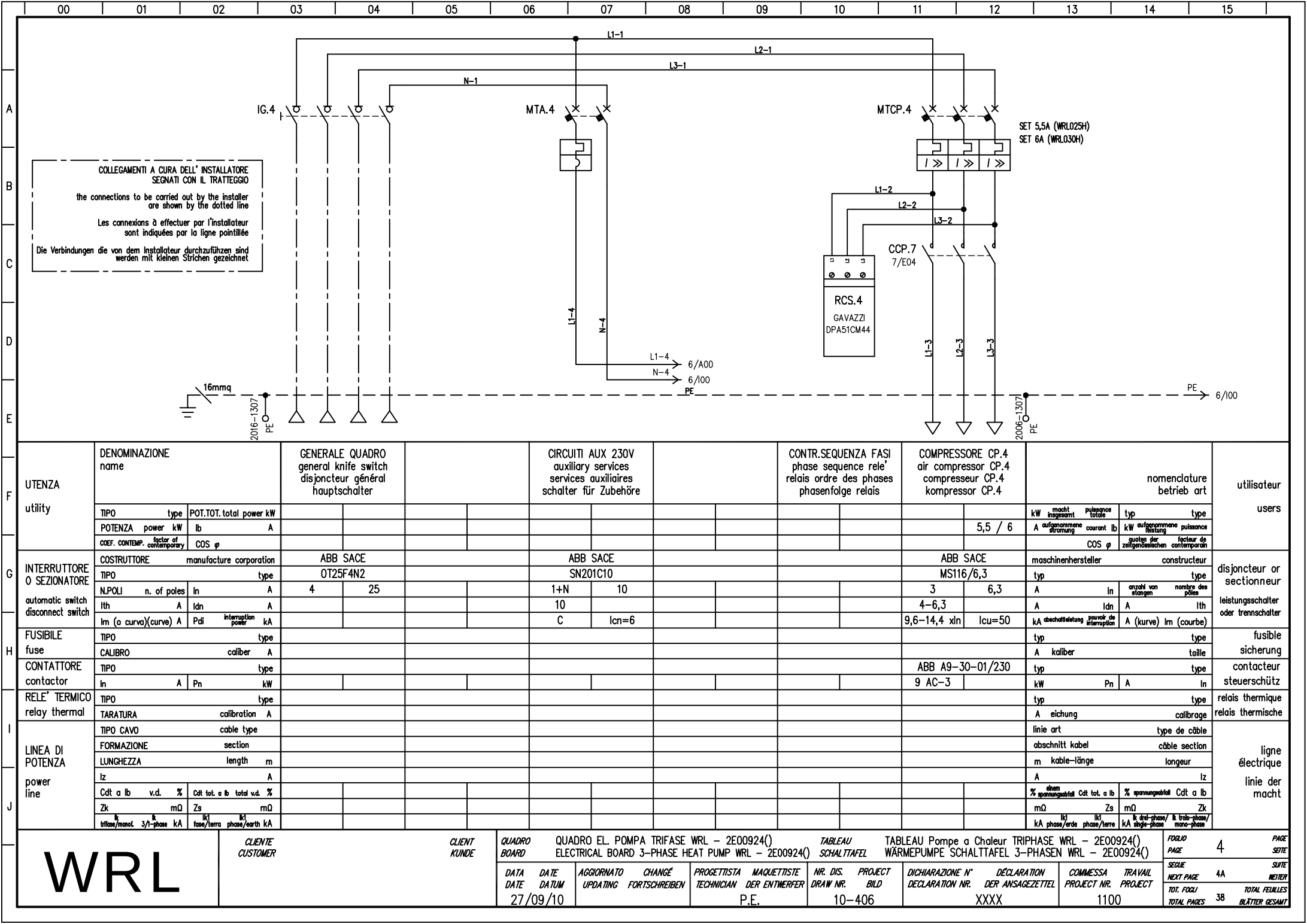
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|------------------------|--|---------------------|--|----------------------|-----------|
| WRL                    |  |                     |  |                      |           |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |           |
| Code Article           |  | Artikelcode         |  | 2E009240_01 03/03/11 |           |
| Alimentation           |  | Stronversorgung     |  | 3/N/PE – 50 Hz 400V  |           |
| Tension Nominale       |  | Nennspannung        |  | V                    | 400 Hz 50 |
| Pompe a Chaleur WRL025 |  | Wärmepumpe WRL025   |  | A Max                | 6,5       |
| Pompe a Chaleur WRL030 |  | Wärmepumpe WRL030   |  | A Max                | 7         |
| Degré de protection    |  | Schutzgrad          |  | IP                   | 2x        |
| Note                   |  | Anmerkungen         |  | XXXX                 |           |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉ    | CONTRÔLÉ      |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMEN  | KONTROLLIERTE |

|                                                                                                                                                      |  |                                  |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|---------------------------------|
| WRL                                                                                                                                                  |  | NR. DIS.<br>DRAW NR.             | PROJECT<br>BILD                 |
|                                                                                                                                                      |  | 10-406                           |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  |  | CLIENT<br>KUNDE                  | DATE<br>DATE                    |
|                                                                                                                                                      |  |                                  | 27/09/10                        |
|                                                                                                                                                      |  | AGGIORNATO<br>UPDATING           | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |  | 2E00924 <input type="checkbox"/> | TABLEAU<br>SCHALTAFEL           |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |  |                                  |                                 |
|                                                                                                                                                      |  | COMMESSA<br>PROJECT NR.          | TRAVAIL<br>PROJECT              |
|                                                                                                                                                      |  | 1100                             |                                 |
|                                                                                                                                                      |  | PROGETTISTA<br>TECHNICIAN        | MAQUETTISTE<br>DER ENTWERFER    |
|                                                                                                                                                      |  | DICHIARAZIONE<br>DECLARATION     | DECLARATION<br>DER ANSAGEZETTEL |
|                                                                                                                                                      |  | XXXX                             |                                 |



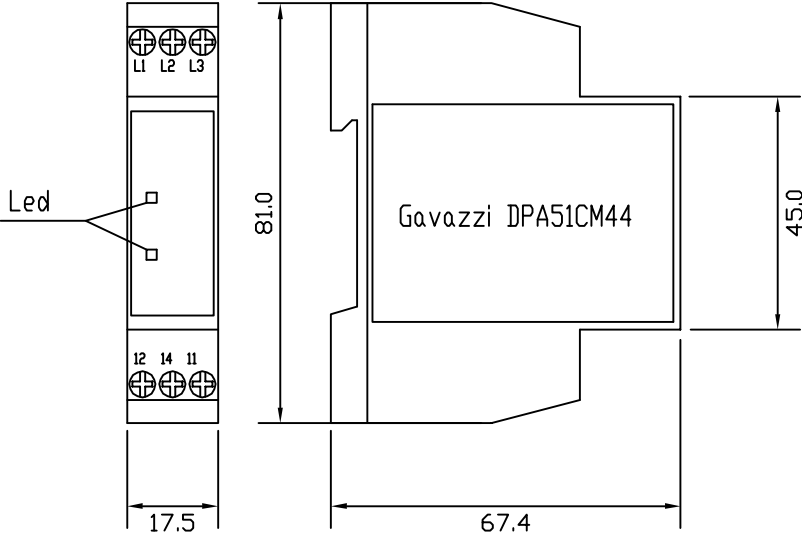
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 | DEUTSCH |  |
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TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>REL' POMPA ZONA 1<br>PANNELLO REMOTO<br>REL'<br>REL' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>REL' COMPRESSORE<br>REL' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>REL' MOTOPOMPA<br>RISCALDATORE<br>REL' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>REL' RITARDATE<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | Switch On Off<br>remote alarm<br>alarme<br>alarm dehumidifier<br>health alert<br>boiler/heater alarm<br>blue<br>compressor contactor<br>compressor<br>pump contactor<br>relay boiler / heating system<br>relay boiler / heating health<br>low ambient temperature device<br>dehumidifier<br>softstarter<br>fusible<br>Interference suppressor<br>Main switch<br>phase of power supply<br>clamps<br>brown<br>control clamps<br>geothermal pump<br>primary pump<br>water tank pump<br>governor-cut phase clamps<br>signal clamps<br>auxiliary services magneto-thermal<br>pump magneto-thermal<br>compressor magneto-thermal<br>Heater switch<br>neutral of power supply<br>black<br>grounded<br>differential pressure switch<br>differential pressure switch<br>relay pump zone 1<br>remote panel<br>relé<br>"high pressure" relay<br>compressor oil heater<br>air compressor relé<br>phase sequence relay<br>antifreeze resistances<br>antifreeze recovery<br>pump relé<br>heating device<br>economizer relé<br>tray resistance<br>second set<br>thermal emergencies<br>delayed relé<br>discharge gas thermostat<br>Transformator<br>pressure transducer<br>mechanical thermostat<br>antifreeze resistances thermostat<br>heating device safety thermostat<br>economizer thermostat<br>thermistor fan coil<br>three-way valve freecooling<br>three-way valve health<br>reversel cycle valve<br>electrovalve liquid interception<br>2-way modulating valve<br>modulating valve health<br>mixing valve zone 1<br>electrovalve injection of liquid<br>electrovalve economizer | Interrupteur On Off<br>alarme extérieur<br>alarme<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>rélay chaudière/système de chauffage<br>rélay chaudière de chauffage de santé<br>dispositif pour basse température<br>déhumidificateur<br>démarrreur<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase de alimentation<br>bornes<br>marron<br>bornes de commande<br>pompe géothermie<br>pompe primaire<br>pompe pour ballon ECS<br>bornes de gouverneur coupe phase<br>bornes de signal<br>magneto-thermique services auxiliaires<br>pompe magneto-thermique de pompe<br>magneto-thermique compresseur<br>magneto-thermique Chauffage<br>neutre de alimentation<br>noir<br>mise à la terre<br>pressostat différentiel<br>pressostat différentiel<br>relais pompe de zone 1<br>commande a distance<br>relais<br>Relais haute pression<br>résistance huile CP<br>relais de compresseur<br>relais sequenciel<br>résistance antigel<br>recouvrement antigel<br>relais de pompe<br>chauffage<br>relais de economizer<br>résistance de bassins<br>second set<br>thermiques sécurité<br>relais retard<br>thermostat de gaz de décharge<br>transformateur<br>transducteur pression<br>Thermostat mécanique<br>thermostat de résistance antigel<br>thermostat de sécurité chauffage<br>Thermostat economizer<br>thermistance ventilateur<br>vanne à trois voies freecooling<br>vanne à trois voies de santé<br>vanne inversion de cycle<br>électrovalve interception de liquide<br>Vanne modulante à deux voies<br>Modulation de la santé valve<br>Vanne de zone de mélange 1<br>électrovalve injection de liquide<br>électrovalve economizer | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elekt. Widerstände<br>blau<br>kompressorarschutz<br>kompressor<br>steuererschütz pumpe<br>relais kessel/heizung<br>startsteuerung Kessel/Wassertank Widerstände<br>winterregelung<br>entfeuchters<br>demarreuer<br>anlasser<br>sicherung<br>Funkentstörung<br>Hauptschalter<br>phasen vom Stromversorgung<br>klemmen<br>braun<br>startsteuerung klemmen<br>Geothermie pumpe<br>primär pumpe<br>pumpe im Wassertank<br>klemmen der governor cut-phase<br>signal klemmen<br>schalter für Zubehöre<br>schalter für pumpe<br>motorschutzschalter kompressor<br>heizvorrichtung schalter<br>neutral vom Stromversorgung<br>schwarz<br>erdungskontakt<br>druckdifferenzschalter<br>druckdifferenzschalter<br>relay pumpe in zone 1<br>remote panel<br>relais<br>hochdruckrelais<br>kübelwannenheizung<br>kompressor relais<br>relais phasenreihenfolge<br>einfrierverhütend Widerstände<br>antifreeze recovery<br>pumpe relais<br>heizvorrichtung<br>economizer relais<br>tropfschale Widerstände<br>zweite set<br>sicherheit spannungsreiche<br>zeit relais<br>Druckgas Thermostat<br>Transformator<br>drucktransmitter<br>thermischer mechanische<br>einfrierverhütend Widerstände thermischer<br>sicherheit heizvorrichtung thermischer<br>thermischer economizer<br>thermistor gebälse<br>dreiregeventil freecooling<br>dreiregeventil gesundheit<br>umkehrventil<br>liquid abfangen magnetventil<br>Modulierendes Zwei-Wege-Ventil<br>RegelVentil gesundheit<br>mischer-Ventil zone 1<br>elektroventil injection vom flüssigen<br>elektroventil economizer | AP<br>BP<br>FL<br>EXV<br>FLGEO<br>FLUMP<br>MAP<br>MBP<br>KSAE<br>SAC<br>SIIM<br>SGP<br>SIGEO<br>SIW<br>SIWH<br>SRIM<br>SSAN<br>SUGEO<br>SUIM<br>SUR<br>SUW<br>SUWH<br>SSM<br>TAP<br>TBP | PRESSOSTATO DI ALTA<br>PRESSOSTATO DI BASSA<br>FLUSSOSTATO<br>VALVOLA ELETTRONICA<br>FLUSSOSTATO GEOTERMICO<br>FLUSSOSTATO IMPIANTO<br>MORSETTIERA PRESSOSTATO DI ALTA<br>MORSETTIERA PRESSOSTATO DI BASSA<br>SONDA ARIA ESTERNA<br>SONDA ASPIRAZIONE COMPRESSORE<br>SONDA INGRESSO IMPIANTO<br>SONDA GAS PREMENTE<br>SONDA INGRESSO GEOTERMICO<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA RITORNO IMPIANTO<br>SONDA SANITARIO<br>SONDA USCITA GEOTERMICO<br>SONDA USCITA IMPIANTO<br>SONDA USCITA RECUPERATORE<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA VALVOLA MISCELATRICE<br>TRASDUTTORE ALTA PRESSIONE<br>TRASDUTTORE BASSA PRESSIONE | "high pressure" control<br>pressure switch "low pressure"<br>flowswitch<br>electronic electrovalve<br>geothermal flowswitch<br>system flowswitch<br>pressure switch "high pressure" clamps<br>pressure switch "low pressure" clamps<br>ambient air probe<br>air compressor suction probe<br>input system probe<br>discharge pipe sensor<br>input geothermal probe<br>water inlet probe (NTC)<br>water inlet probe (NTC)<br>output system probe<br>probe health<br>output geothermal probe<br>output system probe<br>recovery outlet probe<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>mixing valve probe<br>high pressure trasducer<br>low pressure trasducer | pressostat "haut pression"<br>pressostat "basse pression"<br>fluxostat<br>commande de électrovalve électronique<br>débithètre géothermie<br>débithètre de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air extérieur<br>sonde d'aspiration de compresseur<br>sonde de entrées installation<br>sonde sur refoulement<br>sonde entree géothermique<br>sonde entree eau (NTC)<br>sonde entree eau (NTC)<br>sonde de sorties installation<br>sonde de santé<br>sonde sortie géothermique<br>sonde sortie installation<br>sonde sortie recuperation<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde robinet mélange<br>transducteur haute pression<br>transducteur basse pression | hochdruckpressostat<br>druckschalter "niedrig druck"<br>stromungswaechter<br>startsteuerung ventilelektronic<br>Geothermie strömungsschalter<br>Anlage strömungsschalter<br>druckschalter "hoch druck" klemmen<br>druckschalter "niedrig druck" klemmen<br>aubenluftfuehler<br>kompressor saugsonde<br>sensor zwei anlage<br>fühler-druckleitung<br>geothermie sensor<br>fühler-wassereintritt (NTC)<br>fühler-wassereintritt (NTC)<br>Ausgang Wärmetauscher sensor<br>probe gesundheit<br>ausgang erdwärmesonde<br>sensor ausgang anlage<br>regenerator fñher-austritt<br>fühler-wasseraustritt (NTC)<br>fühler-wasseraustritt (NTC)<br>mischerventil probe<br>HD-drucktransmitter<br>ND-drucktransmitter |    |          |    |         |    |          |  |         |  |
| MP01B<br>MP01U<br>MPDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | POMPA STANDARD<br>POMPA MAGGIORATA<br>POMPA INVERTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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POMPA TRIFASE WRL - 2E00924()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00924()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TABLEAU SCHALTAFEL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00924()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00924()                                                                | Foglio PAGE<br>PAGE 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SEQUENCE NEXT PAGE<br>NEXT PAGE 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TOTAL FEUILLES<br>TOTAL PAGES 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SITE METERS<br>BLÄTTER GESAMT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |          |    |         |    |          |  |         |  |
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AGGIORNATO UPDATE<br>UPDATE FORTSCHREIBEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PROGETTISTA MAQUETTISTE<br>TECHNICIAN DER ENTWERFER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NR. DIS. PROJECT<br>DRAW NR. BILD                                                                                                                                                       | DICHIARAZIONE N°<br>DECLARATION NR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DECLARATION<br>DER ANSAGEZETTEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | COMMESSA TRAVAIL<br>PROJECT NR. PROJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |          |    |         |    |          |  |         |  |



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|     | 00                  | 01              | 02                                                                                             | 03            | 04                     | 05                      | 06                        | 07                           | 08                   | 09              | 10                                                                                                 | 11                              | 12                      | 13                 | 14                        | 15 |                                  |               |
| A   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| B   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| C   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| D   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| E   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| F   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| G   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| H   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| I   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| J   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL - 2E00924()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00924() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00924()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00924() |                                 |                         |                    | FOGLIO<br>PAGE            |    | 4A                               | PAGE<br>SEITE |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN | MAQUETTISTA<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROIECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 4B | SUITE<br>WEITER                  |               |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10-406               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |

IN ALTERNATIVA  
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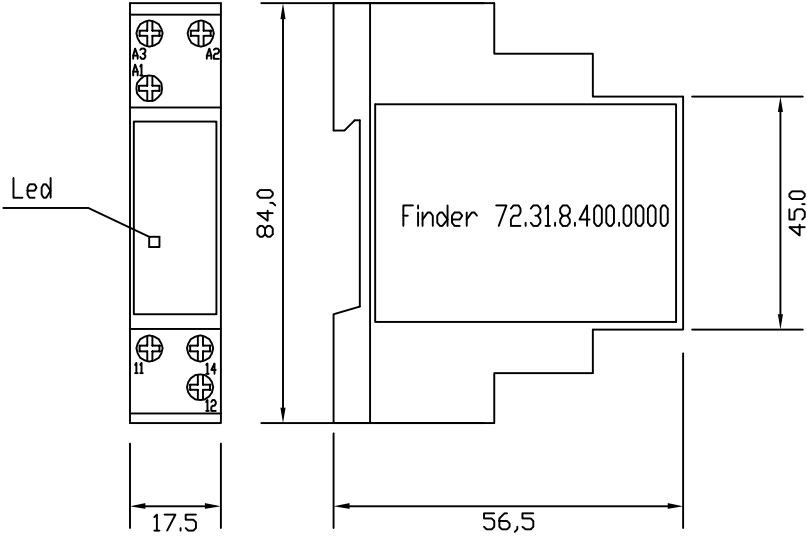
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L3 = L3  
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11 = com  
14 = N.Ø.  
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RCS.4  
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relais ordre des phases  
phasenfolge relais

IN ALTERNATIVA  
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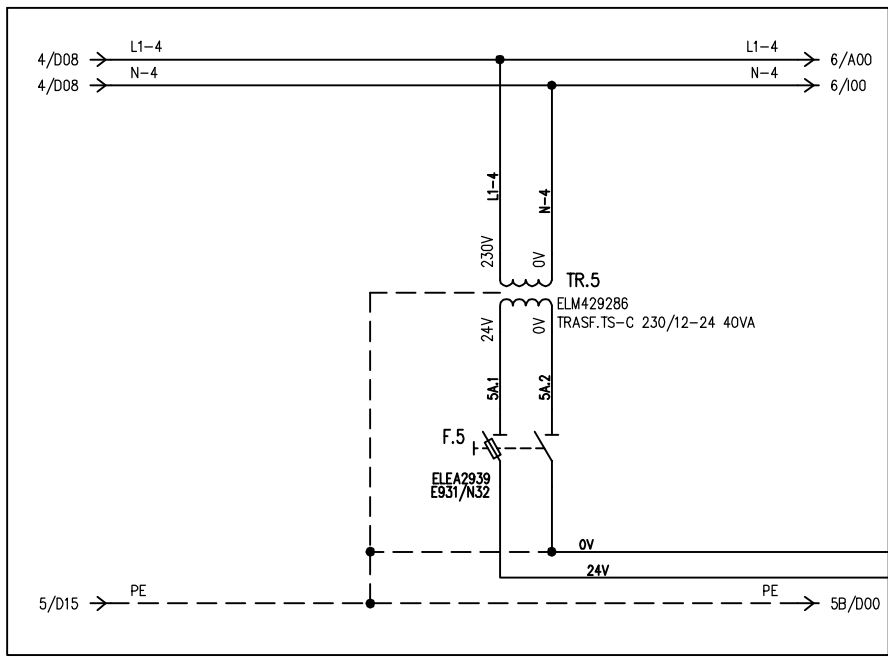
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12 = N.C.



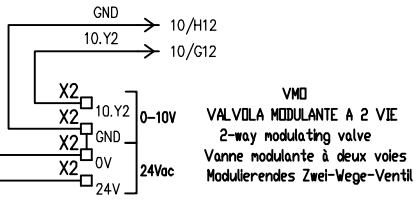
RCS.4  
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| B   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| C   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| D   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| E   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| F   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| G   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| H   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| I   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| J   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL - 2E00924()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00924() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00924()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00924() |                                 |                         |                    | FOLIO<br>PAGE             |    | 5                                | PAGE<br>SEITE |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN | MAQUETTISTA<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROIECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 5A | SUITE<br>WEITER                  |               |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10-406               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |

A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |            | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |     |     |     |     |     |     |     | nomenclature<br>betrieb art         |                                                | utilisateur<br><br>users         |                            |                          |     |     |     |     |     |     |     |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-------------------------------------|------------------------------------------------|----------------------------------|----------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     | kW                                  | macht<br>insgesamt                             | puissance<br>totale              | typ                        | type                     |     |     |     |     |     |     |     |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |            |                                                                                    |     |     |     |     |     |     |     | A                                   | aufgenommene<br>stromung                       | courant lb                       | kW                         | aufgenommene<br>leistung |     |     |     |     |     |     |     |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     |                                     | COS φ                                          | gueten der<br>zeitgleichzeitigen | facteur de<br>contemporain |                          |     |     |     |     |     |     |     |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |            |                                                                                    |     |     |     |     |     |     |     | maschinenhersteller<br>constructeur |                                                | disjoncteur or<br>sectionneur    |                            |                          |     |     |     |     |     |     |     |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                | type                             |                            |                          |     |     |     |     |     |     |     |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N        |                                                                                    |     |     |     |     |     |     |     | A                                   | In                                             | anzahl von<br>stangen            | nombre des<br>pôles        |                          |     |     |     |     |     |     |     |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |            |                                                                                    |     |     |     |     |     |     |     | A                                   | Idn                                            | A                                | Ith                        |                          |     |     |     |     |     |     |     |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA         |                                                                                    |     |     |     |     |     |     |     | kA                                  | abschaltleistung<br>pouvoir de<br>interruption | A (kurve)                        | Im (courbe)                |                          |     |     |     |     |     |     |     |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                | type                             |                            |                          |     |     |     |     |     |     |     |
|                                                                            | CALIBRO                                | caliber                   |                         | 2A gL                                                                                   |            |                                                                                    |     |     |     |     |     |     |     | A                                   |                                                | kaliber                          |                            |                          |     |     |     |     |     |     |     |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                | taille                           |                            |                          |     |     |     |     |     |     |     |
| CONTATTORE<br>contactor                                                    | In                                     | A                         | Pn                      | kW                                                                                      |            |                                                                                    |     |     |     |     |     |     |     | kW                                  | Pn                                             | A                                | In                         |                          |     |     |     |     |     |     |     |
|                                                                            | TIPO                                   |                           |                         | type                                                                                    |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                |                                  | type                       |                          |     |     |     |     |     |     |     |
| RELE" TERMICO<br>relay thermal                                             | TIPO                                   |                           |                         | type                                                                                    |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                |                                  | type                       |                          |     |     |     |     |     |     |     |
|                                                                            | TARATURA                               |                           |                         | calibration                                                                             |            | A                                                                                  |     |     |     |     |     |     |     | A                                   |                                                |                                  | eichung                    |                          |     |     |     |     |     |     |     |
| LINEA DI<br>POTENZA<br>power<br>line                                       | TIPO CAVO                              |                           |                         | cable type                                                                              |            |                                                                                    |     |     |     |     |     |     |     | linie art                           |                                                |                                  | type de câble              |                          |     |     |     |     |     |     |     |
|                                                                            | FORMAZIONE                             |                           |                         | section                                                                                 |            |                                                                                    |     |     |     |     |     |     |     | abschnitt kabel                     |                                                |                                  | câble section              |                          |     |     |     |     |     |     |     |
|                                                                            | LUNGHEZZA                              |                           |                         | length                                                                                  |            | m                                                                                  |     |     |     |     |     |     |     | m                                   |                                                |                                  | kable-länge                |                          |     |     |     |     |     |     |     |
|                                                                            | Iz                                     |                           |                         | A                                                                                       |            |                                                                                    |     |     |     |     |     |     |     | A                                   |                                                |                                  | Iz                         |                          |     |     |     |     |     |     |     |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d. | %                                                                                  |     |     |     |     |     |     |     |                                     | %                                              | spannungsfaktor                  | Cdt tot. a lb              |                          |     |     |     |     |     |     |     |
|                                                                            | Zk                                     | mΩ                        | Zs                      | mΩ                                                                                      |            |                                                                                    |     |     |     |     |     |     |     |                                     | mΩ                                             | Zs                               | mΩ                         |                          |     |     |     |     |     |     |     |
|                                                                            | Ik1                                    | Ik1                       | Ik1                     | Ik1                                                                                     | Ik1        | Ik1                                                                                | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1                                 | Ik1                                            | Ik1                              | Ik1                        |                          |     |     |     |     |     |     |     |
|                                                                            | Ik1                                    | Ik1                       | Ik1                     | Ik1                                                                                     | Ik1        | Ik1                                                                                | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1                                 | Ik1                                            | Ik1                              | Ik1                        |                          |     |     |     |     |     |     |     |
|                                                                            |                                        |                           |                         |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     |                                     | kA                                             |                                  | phase/phase/terre          | Ik1                      | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00924()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00924()

TAFEL  
SCHALT

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00924()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00924()

FOLIO  
PAGE

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SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-406

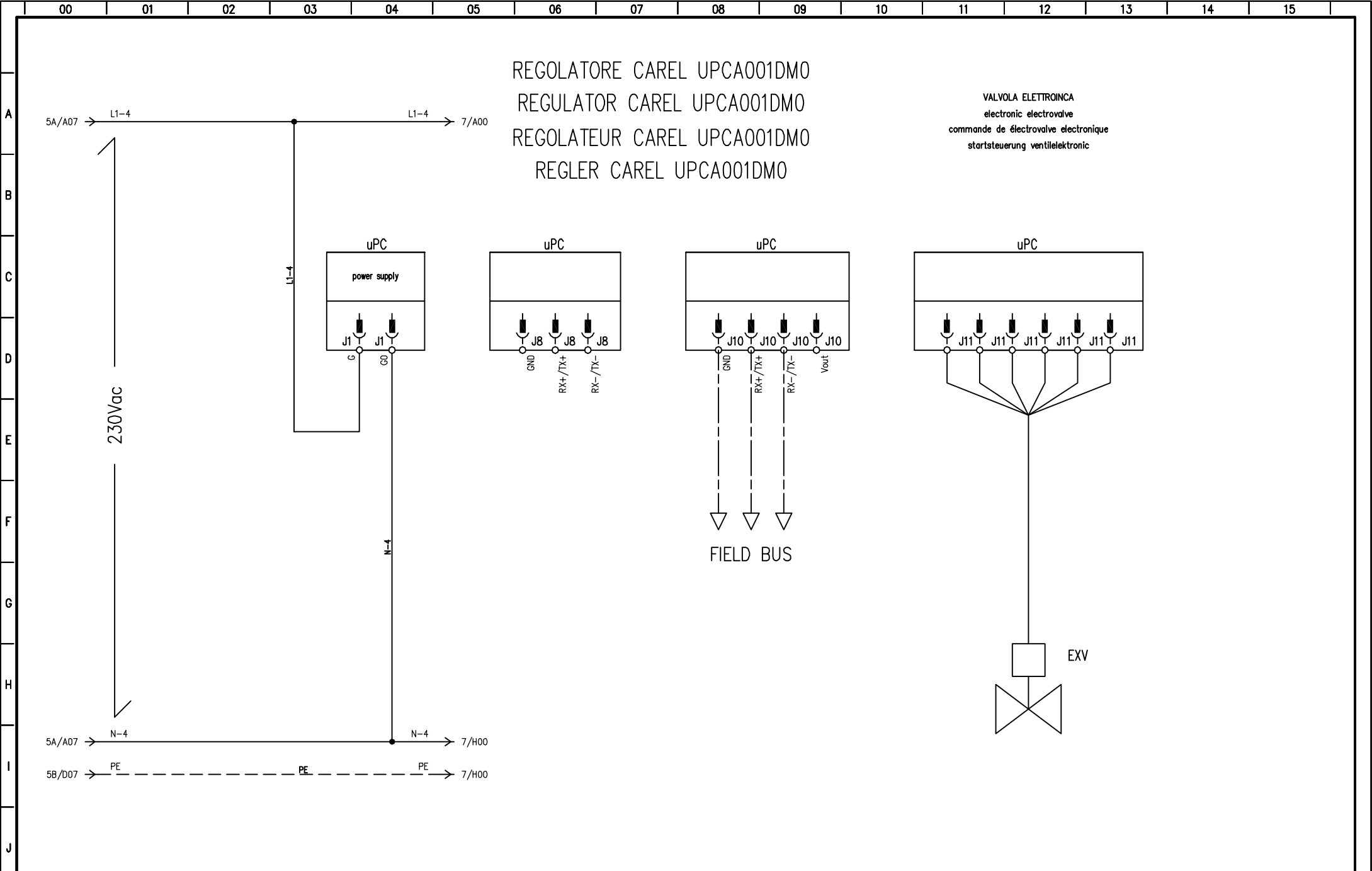
DICHIARAZIONE N°  
DECLARATION NR.  
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COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE  
TOT. FOLII  
TOTAL PAGES  
5B  
38

SUITE  
FEUILLES  
BLATTIER GESAMT

|     |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
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|     | 00                  | 01              | 02                                                                                             | 03            | 04                     | 05                      | 06                        | 07                           | 08                   | 09              | 10                                                                                                 | 11                              | 12                      | 13                 | 14                        | 15 |                                  |               |
| A   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| B   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| C   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| D   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| E   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| F   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| G   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| H   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| I   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| J   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL - 2E00924()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00924() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00924()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00924() |                                 |                         |                    | FOGLIO<br>PAGE            |    | 5B                               | PAGE<br>SEITE |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN | MAQUETTISTE<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROIECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 6  | SUITE<br>WEITER                  |               |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10-406               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |



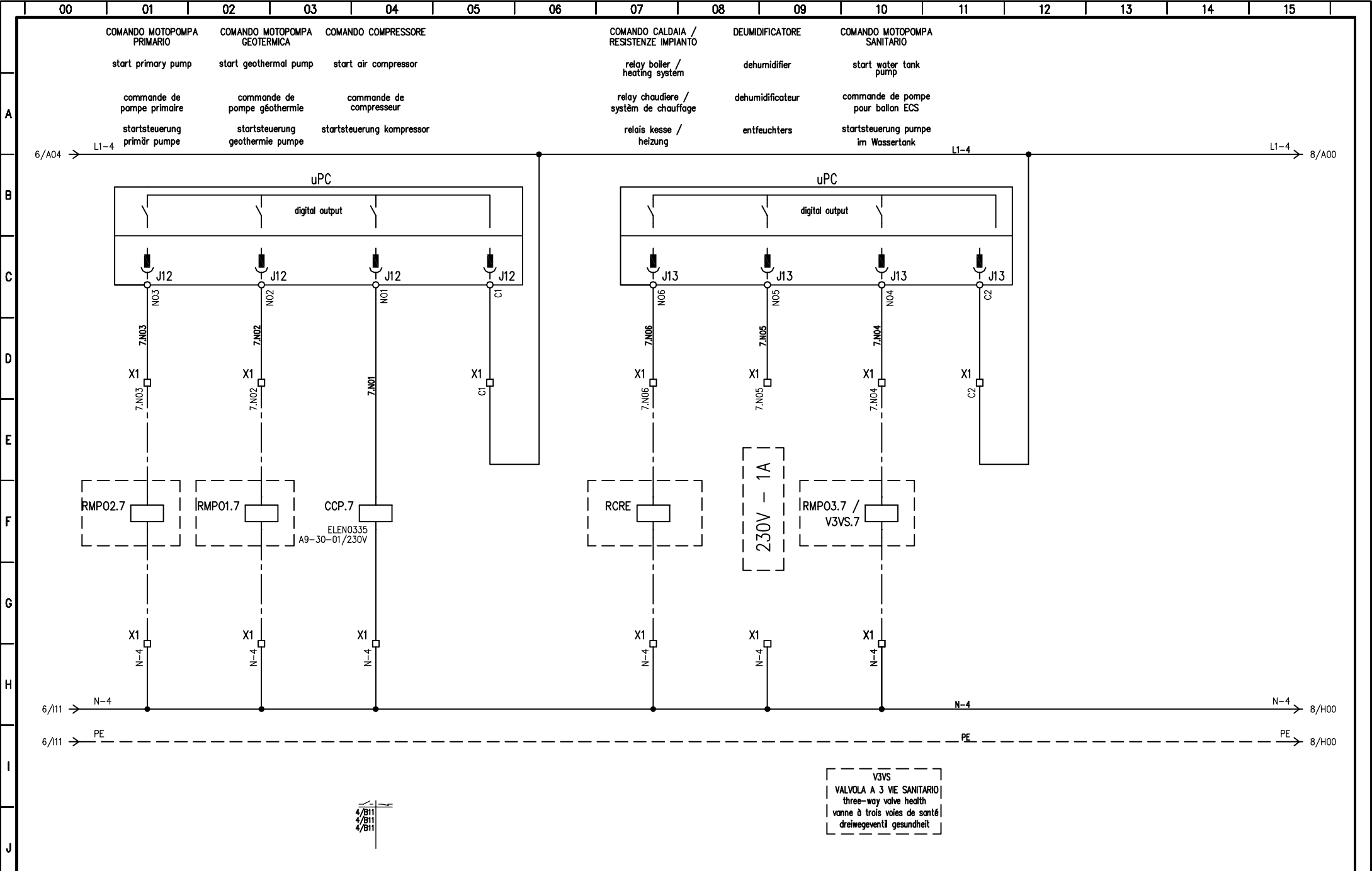
REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |         |  |            |  |                |  |
|---------------------|--|-----------------|--|------------|--|----------------------------------------------------|--|-------------|--|---------------|--|--------------------------------------------------|--|---------|--|------------------|--|------------------|--|-------------|--|---------|--|------------|--|----------------|--|
| CLIENTE<br>CUSTOMER |  | CLIENT<br>KUNDE |  | QUADRO     |  | QUADRO EL. POMPA TRIFASE WRL – 2E00924()           |  |             |  | TABLEAU       |  | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00924() |  |         |  | FOLIO            |  | PAGE             |  |             |  |         |  |            |  |                |  |
|                     |  |                 |  | BOARD      |  | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL – 2E00924() |  |             |  | SCHALTAFEL    |  | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL – 2E00924()   |  |         |  | PAGE             |  | SEITE            |  |             |  |         |  |            |  |                |  |
|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  | 6                |  |                  |  |             |  |         |  |            |  |                |  |
| DATA                |  | DATE            |  | AGGIORNATO |  | CHANGE                                             |  | PROGETTISTA |  | MAQUETTISTA   |  | NR. DIS.                                         |  | PROJECT |  | DICHIARAZIONE N° |  | DÉCLARATION      |  | COMMESSA    |  | TRAVAIL |  | SEGUE      |  | SUITE          |  |
| DATE                |  | DATUM           |  | UPDATING   |  | FORTSCHREIBEN                                      |  | TECHNICIAN  |  | DER ENTWERFER |  | DRAW NR.                                         |  | BILD    |  | DECLARATION NR.  |  | DER ANSAGEZETTEL |  | PROJECT NR. |  | PROJECT |  | NEXT PAGE  |  | WEITER         |  |
| 27/09/10            |  |                 |  |            |  |                                                    |  | P.E.        |  |               |  | 10-406                                           |  |         |  | XXXX             |  |                  |  | 1100        |  |         |  | 7          |  |                |  |
|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |         |  | TOT. FOGLI |  | TOTAL FEUILLES |  |
|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |         |  | 38         |  | BLÄTTER GESAMT |  |
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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00924()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00924()

TABEUA  
SCHALTAFEL

TABEUA Pompe a Chaleur TRIPHASE WRL - 2E00924()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00924()

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DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
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PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

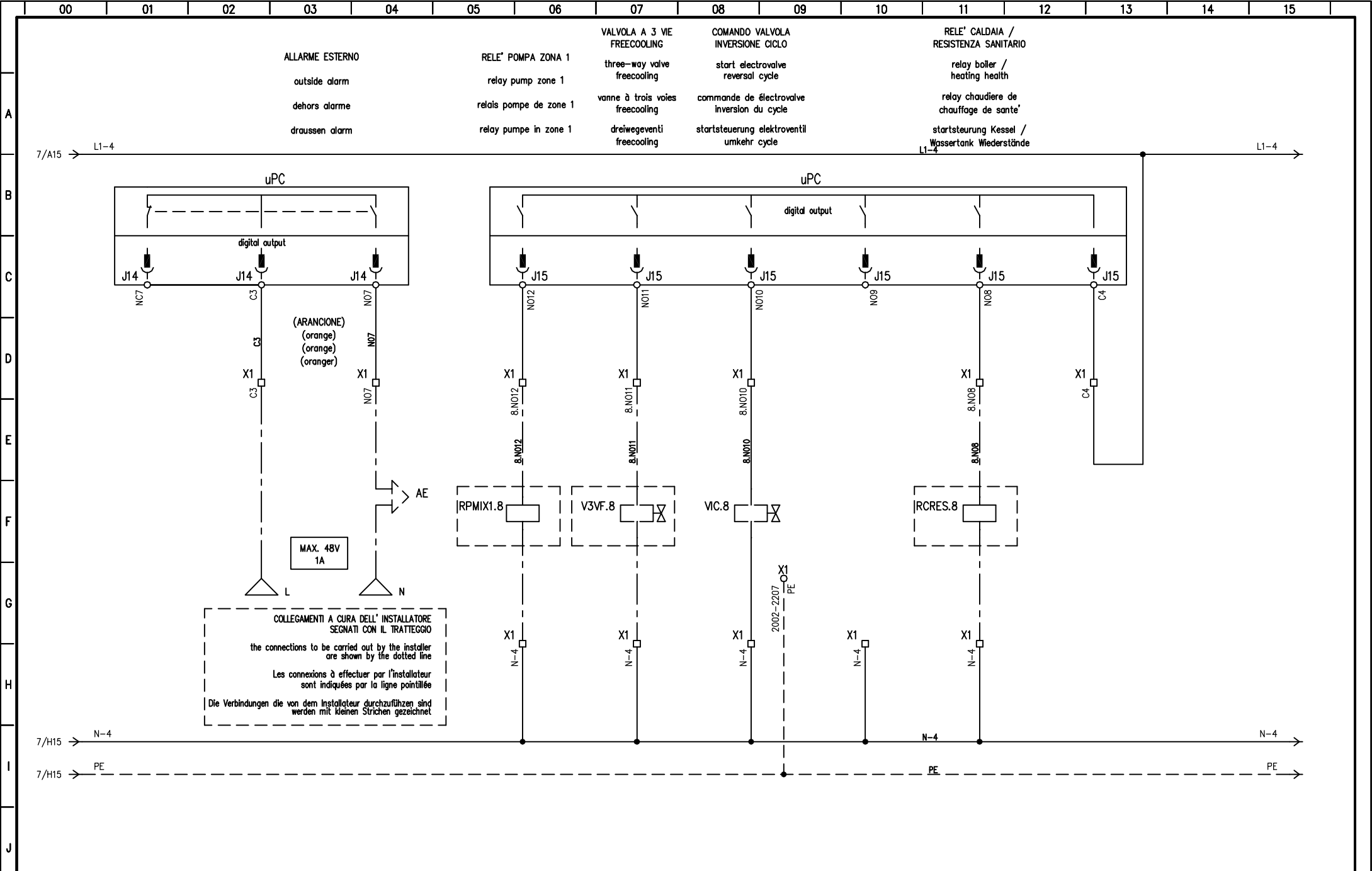
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DRAW NR. BILD  
10-406

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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SUITE  
METTER  
TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00924()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00924()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00924()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00924()

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AGGIORNATO  
UPDATING

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PROGETTISTA  
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MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
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PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR. XXXX

DECLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR. 1100

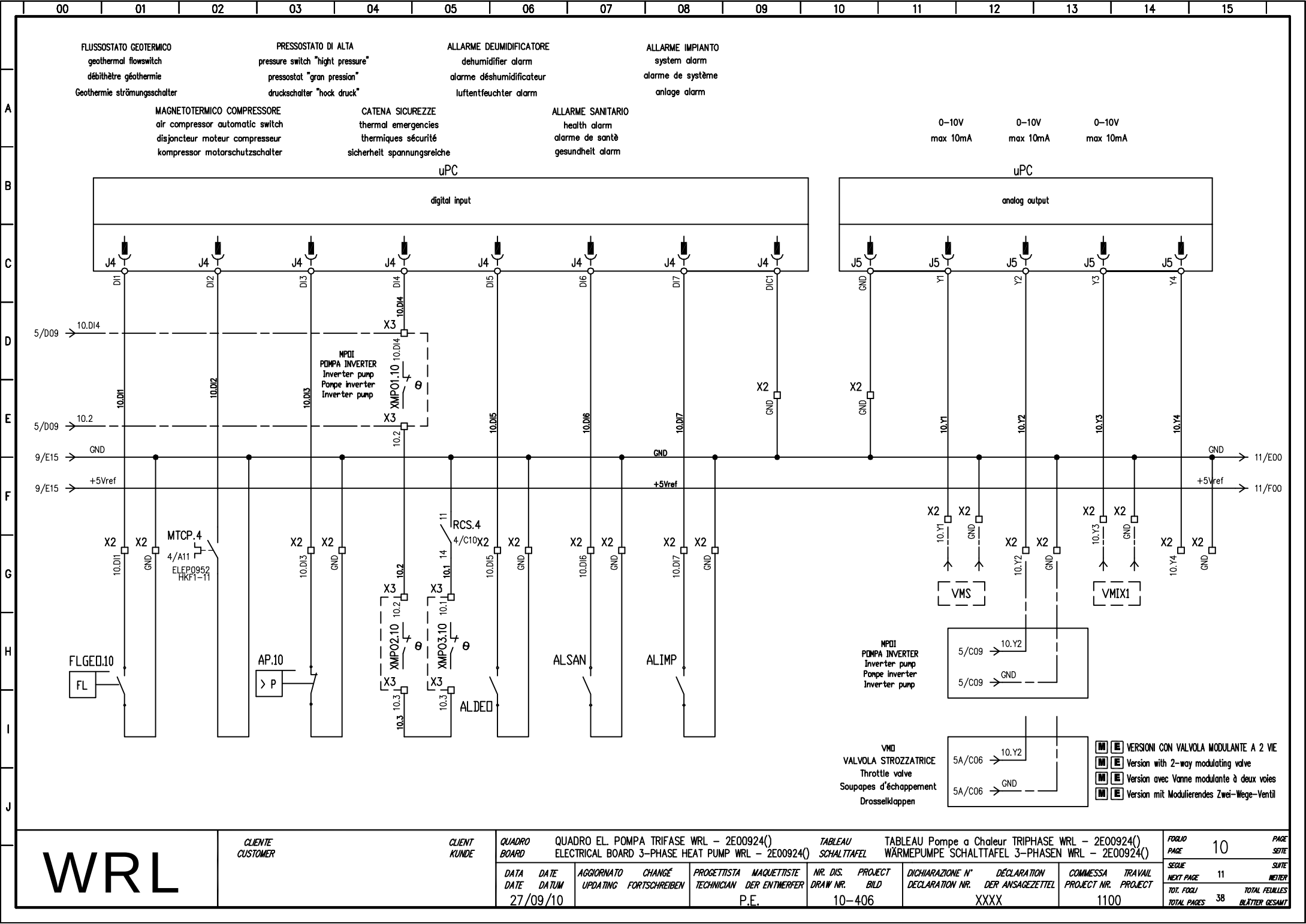
TRAVAIL  
PROJECT

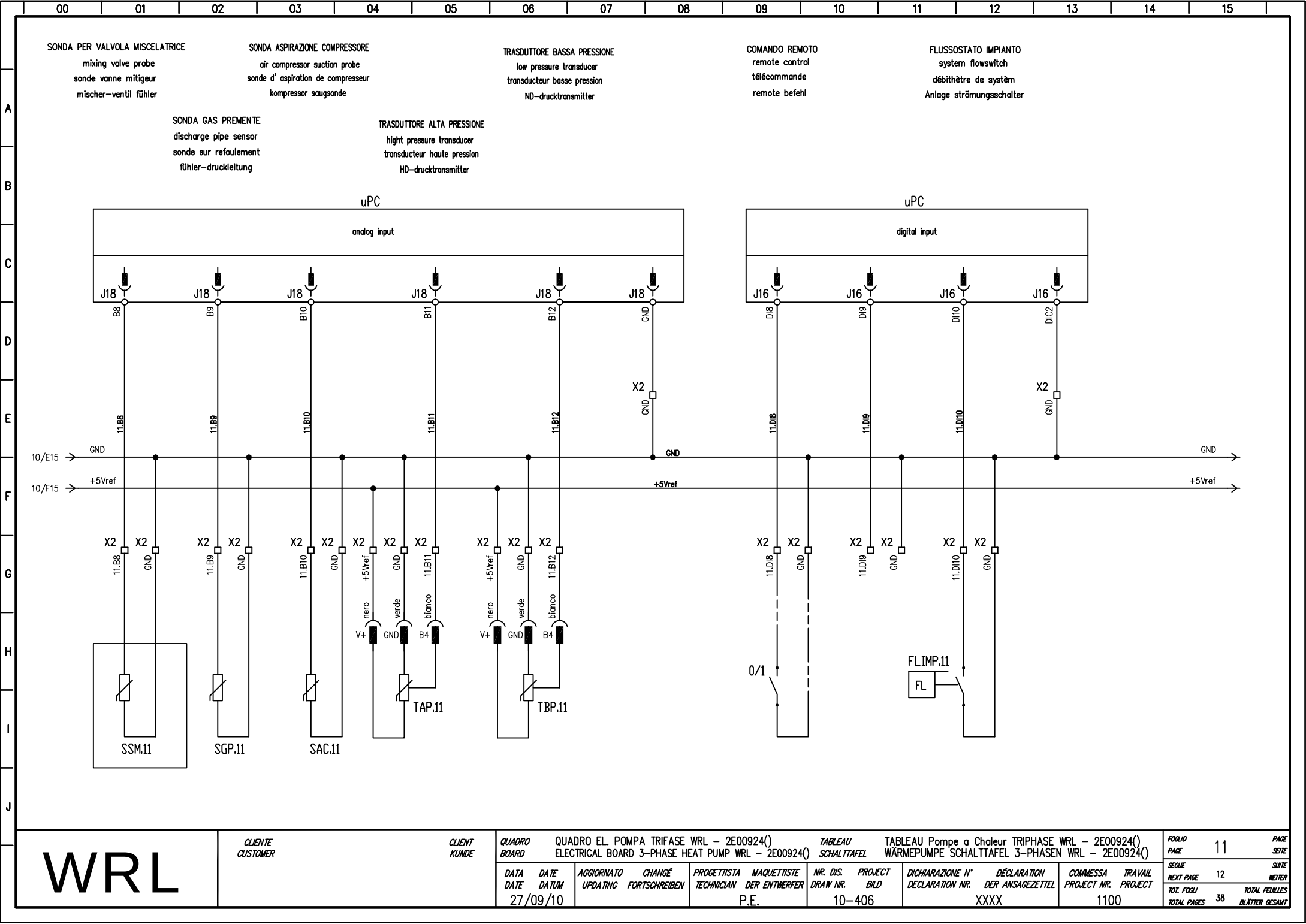
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TOT. FOLII  
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TOTAL FEUILLES  
BLÄTTER GESAMT









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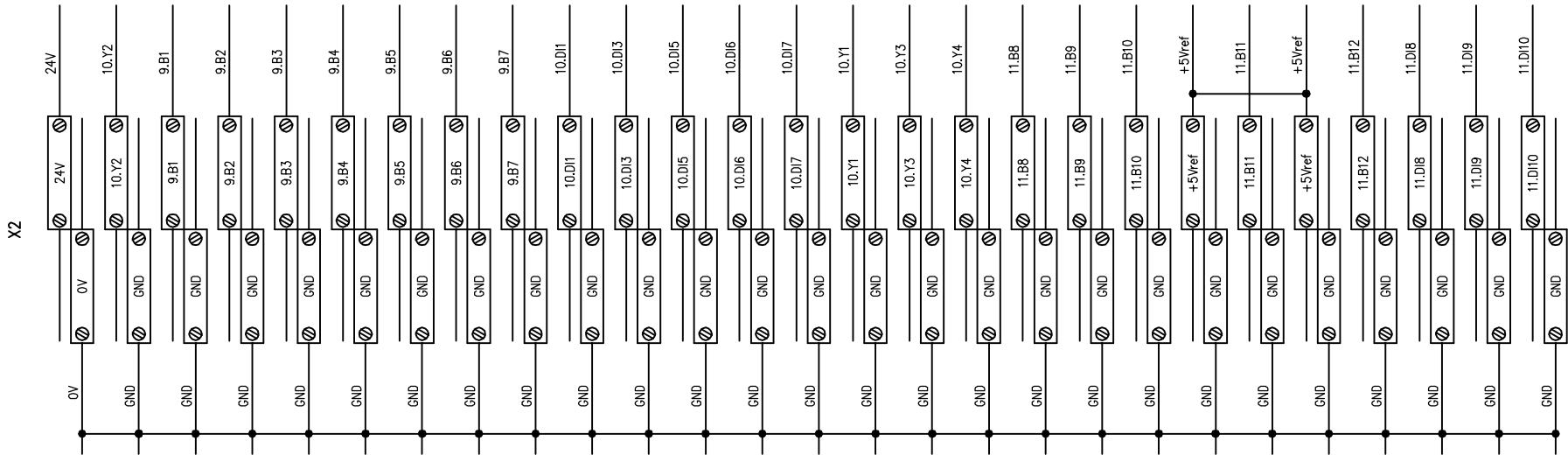
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MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00924()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00924()

TABE  
SCHALT

TABE  
WÄRM

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AGGIORNATO  
UPDATING

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PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
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BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
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PROJECT

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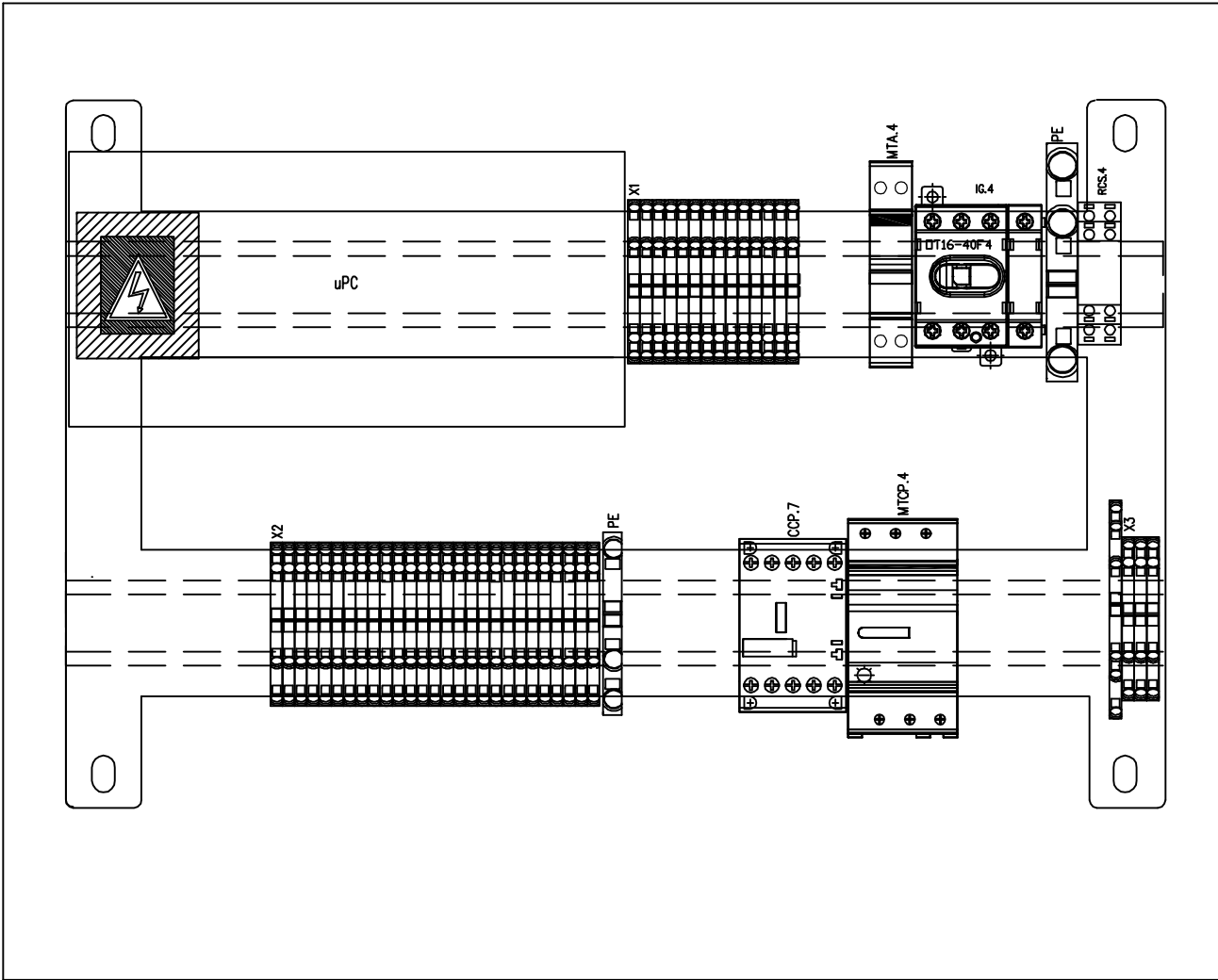
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WEITER

TOT. FOGLI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLÄTTER GESAMT

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                                                            | TECHNICAL DATA BOX                                                                                                           |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /                                   | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                               |
| DIMENSIONI                                                                                                                          | DIMENSION                                                                                                                    |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                                                  | height: 350<br>Width: 500<br>Deep: 160                                                                                       |
| NOTE                                                                                                                                | NOTES                                                                                                                        |
| DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSION                                                                                                                           | ABMESSUNGEN                                                                                                                  |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                                     | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                                        |
| NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

☐ QUADRO DI SERIE

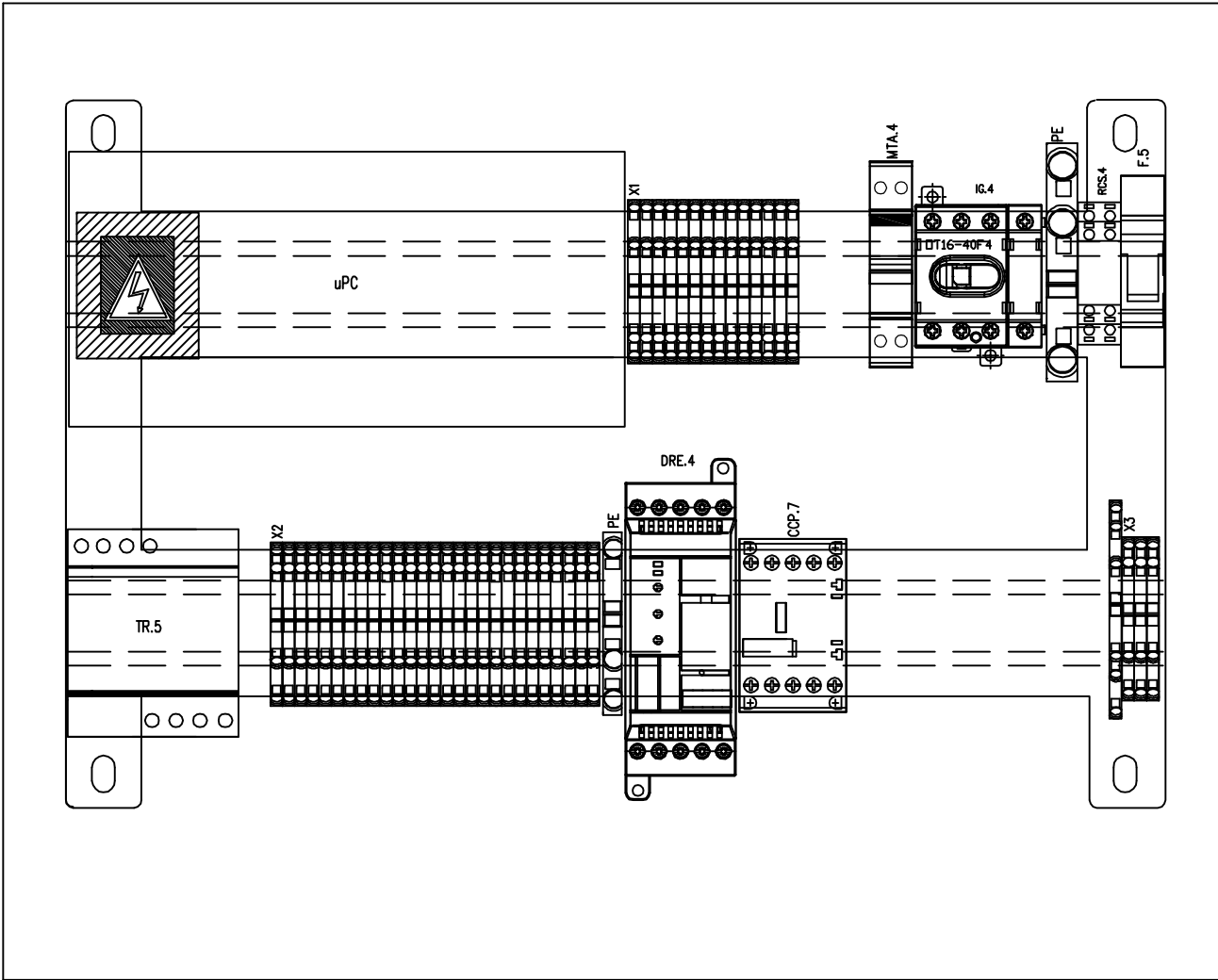
☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel



VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht

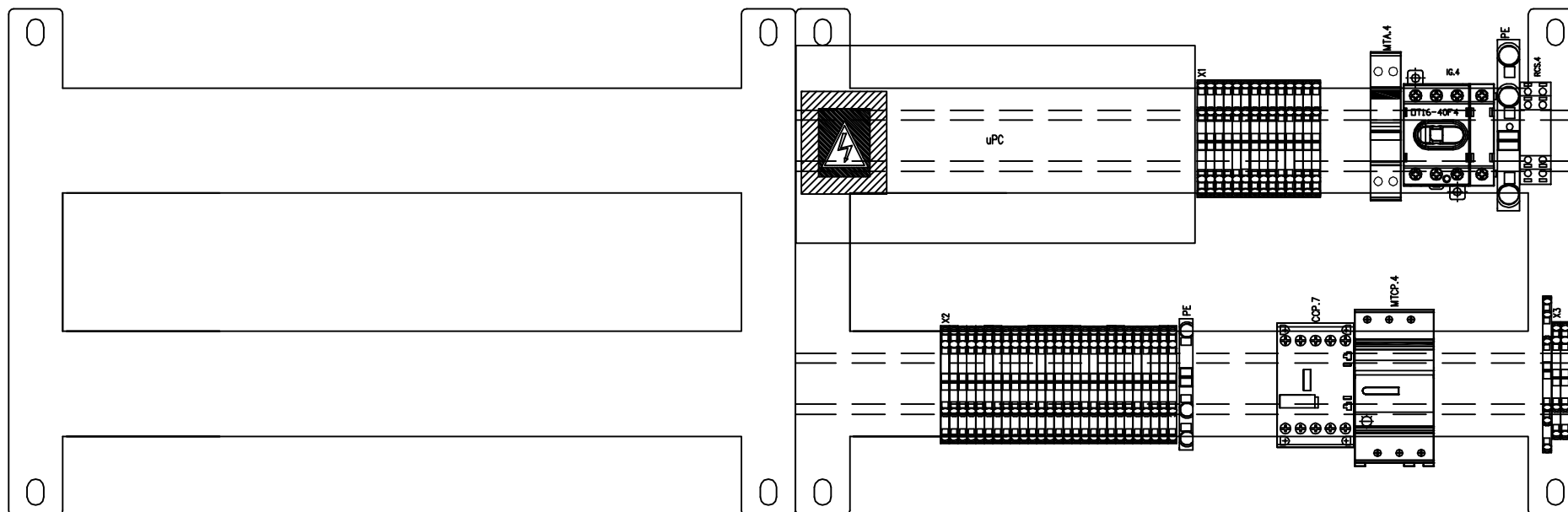


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|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>DATI TECNICI CARPENTERIA</b><br><br>Marca: –<br>Colore: –<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /    | <b>TECHNICAL DATA BOX</b><br><br>Mark: –<br>Color: –<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /      |
| <b>DIMENSIONI</b><br><br>Altezza: 350<br>Larghezza: 500<br>Profondità: 160                                                                  | <b>DIMENSION</b><br><br>height: 350<br>Width: 500<br>Deep: 160                                                                       |
| <b>NOTE</b>                                                                                                                                 | <b>NOTES</b>                                                                                                                         |
| <b>DONNÉES TECHNIQUES<br/>TABLEAU</b><br>Marque: –<br>Couleur: –<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | <b>TECHNISCHEN DATEN<br/>DES RAHMENS</b><br>Marke: –<br>Farbe: –<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| <b>DIMENSION</b><br><br>Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                     | <b>ABMESSUNGEN</b><br><br>Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                      |
| <b>NOTE</b>                                                                                                                                 | <b>BEMERKUNGEN</b>                                                                                                                   |

|                                                                                   |                                                                                       |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> <b>VERSIONE CON VALVOLA MODULANTE A 2 VIE</b> | <input checked="" type="checkbox"/> <b>Version avec Vanne modulante à deux voies</b>  |
| <input checked="" type="checkbox"/> <b>Version with 2-way modulating valve</b>    | <input checked="" type="checkbox"/> <b>Version mit Modulierendes Zwei-Wege-Ventil</b> |

WRL

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht

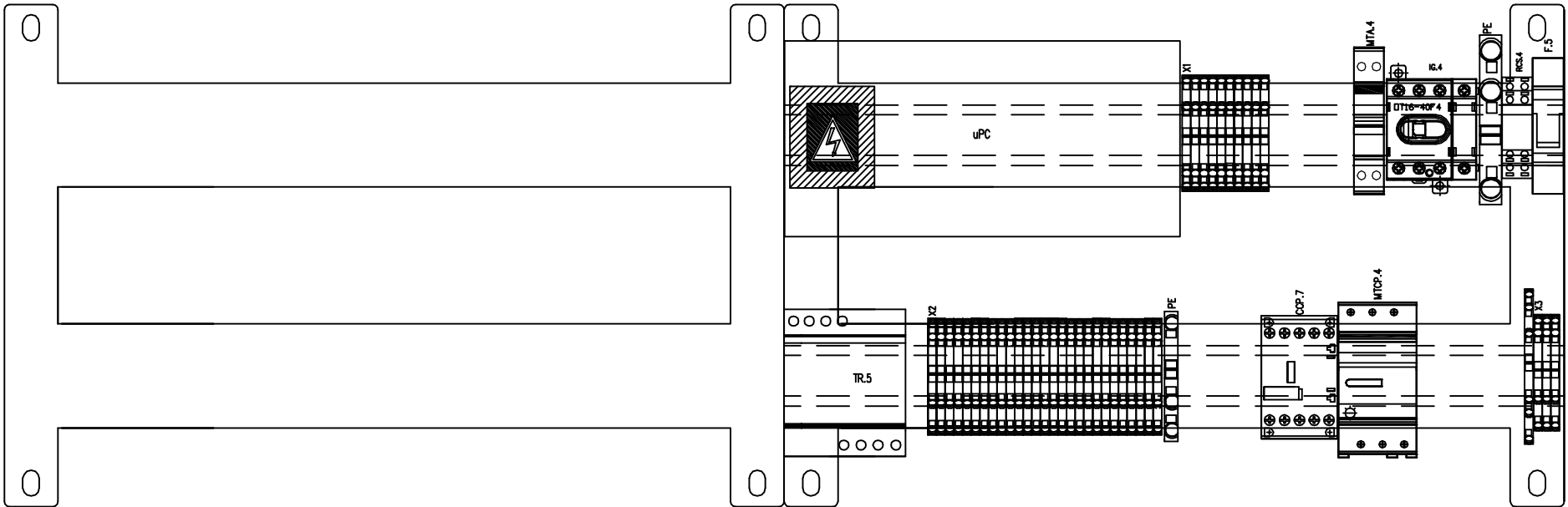


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| SEQUE       |     | SUITE          |
| NEXT PAGE   | 14C | WEITER         |
| TOT. FOGLI  |     | TOTAL FEUILLES |
| TOTAL PAGES | 38  | BLÄTTER GESAMT |

|                                                                                                   |                                                                                                |                                                                                                    |                                                                                          |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                          | TECHNICAL DATA BOX                                                                             | DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                         |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                        | DIMENSION                                                                                      | DIMENSION                                                                                          | ABMESSUNGEN                                                                              |
| Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                | height: 350<br>Width: 1040<br>Deep: 160                                                        | Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                   | Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                   |
| NOTE                                                                                              | NOTES                                                                                          | NOTE                                                                                               | BEMERKUNGEN                                                                              |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



**E** VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE  
**E** Version with Storage + 2-way modulating valve

**E** Version avec Stockage + Vanne modulante à deux voies  
**E** Version mit Lagerung + Modulierendes Zwei-Wege-Ventil

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00924()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00924()

TABEALU  
SCHALTAFEL

TABEALU Pompe a Chaleur TRIPHASE WRL - 2E00924()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00924()

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PAGE

14C

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-406

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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14D

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TOTAL PAGES  
38

TOTAL FEUILLES  
BLÄTTER GESAMT  
38



|                                                       |           |           |        |
|-------------------------------------------------------|-----------|-----------|--------|
| POMPA TRIFASE                                         |           |           | WRL040 |
| Quadro elettrico                                      |           | REV       |        |
| cod.                                                  | 2E00929   | 1         |        |
| cod.                                                  | 2E00929A  | 1         | A      |
| cod.                                                  | 2E00929M  | 1         | M      |
| cod.                                                  | 2E00929E  | 1         | E      |
|                                                       |           |           |        |
| rif.                                                  | 2E00787_2 | 2E00857_3 |        |
| lotto                                                 | nr.: XXXX |           |        |
| VERS.                                                 |           |           |        |
| SI SOFTSTARTER – SI MOTOPOMPE – X=VALVOLA ELETTRONICA |           |           |        |

|                                     |                                        |                                     |                                     |                                     |                                           |                                     |                                            |
|-------------------------------------|----------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------|--------------------------------------------|
| <input type="checkbox"/>            | QUADRO DI SERIE                        | <input type="checkbox"/>            | Standard Board                      | <input type="checkbox"/>            | Tableau standard                          | <input type="checkbox"/>            | serienmäßig schalttafel                    |
| <input checked="" type="checkbox"/> | VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> | Version with Storage                | <input checked="" type="checkbox"/> | Version avec Stockage                     | <input checked="" type="checkbox"/> | Version mit Lagerung                       |
| <input checked="" type="checkbox"/> | VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> | Version with 2-way modulating valve | <input checked="" type="checkbox"/> | Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> | Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> | A + M                                  | <input checked="" type="checkbox"/> | A + M                               | <input checked="" type="checkbox"/> | A + M                                     | <input checked="" type="checkbox"/> | A + M                                      |

|                        |  |                     |  |                      |                    |
|------------------------|--|---------------------|--|----------------------|--------------------|
| WRL                    |  |                     |  |                      |                    |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |                    |
| COD. ARTICOLO          |  | Article Code        |  | 2E009290_01 03/03/11 |                    |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE – 50 Hz 400V  |                    |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V                    | 400 Hz 50          |
| POMPA DI CALORE WRL040 |  | Heat Pump WRL040    |  | A Max                | 10,4               |
|                        |  |                     |  |                      |                    |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP                   | 2x                 |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 | CON DEL. 000000000 |

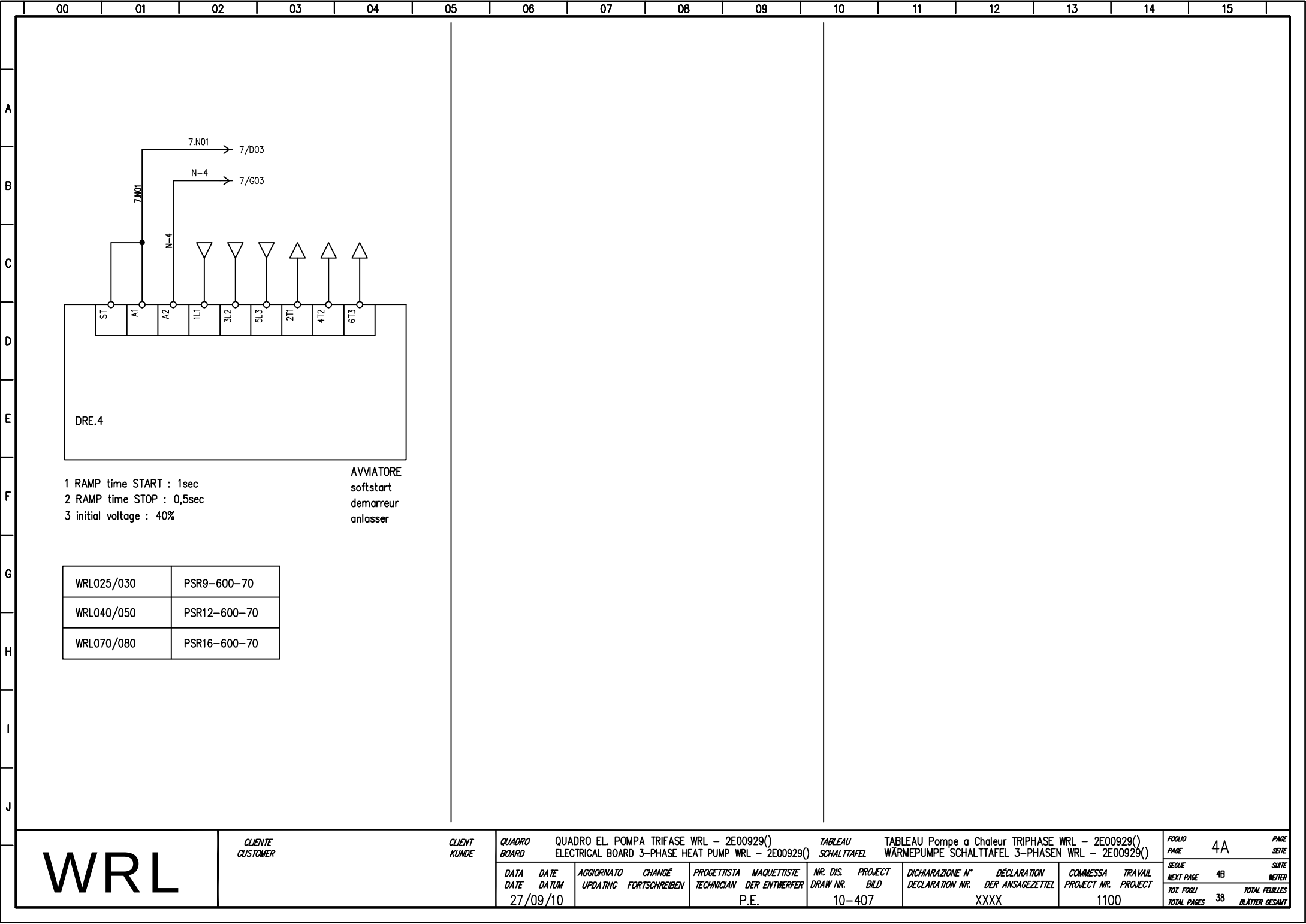
|                        |  |                     |  |                      |                    |
|------------------------|--|---------------------|--|----------------------|--------------------|
| WRL                    |  |                     |  |                      |                    |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |                    |
| Code Article           |  | Artikelcode         |  | 2E009290_01 03/03/11 |                    |
| Alimentation           |  | Stromversorgung     |  | 3/N/PE – 50 Hz 400V  |                    |
| Tension Nominale       |  | Nennspannung        |  | V                    | 400 Hz 50          |
| Pompe a Chaleur WRL040 |  | Wärmepumpe WRL040   |  | A Max                | 10,4               |
|                        |  |                     |  |                      |                    |
| Degré de protection    |  | Schutzgrad          |  | IP                   | 2x                 |
| Note                   |  | Anmerkungen         |  | XXXX                 | CON DEL. 000000000 |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉES    |
| REV.   | DATE     | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                                                                                                                                                      |              |                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------|
| WRL                                                                                                                                                  |              | NR. DIS. PROJECT<br>DRAW NR. BILD<br>10-407                           |
| CLIENTE CUSTOMER                                                                                                                                     | CLIENT KUNDE | DATA DATE<br>27/09/10<br>DATE DATUM                                   |
|                                                                                                                                                      |              | AGGIORNATO UPDATING<br>CHANGE FORTSCHREIBEN                           |
| QUADRO BOARD                                                                                                                                         | 2E00929      | TABLEAU SCHALTAFEL<br>COMMESSA PROJECT NR.<br>1100<br>TRAVAIL PROJECT |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |              | PROGETTISTA TECHNICIAN<br>MAQUETTISTE DER ENTWERFER                   |
|                                                                                                                                                      |              | DICHIARAZIONE DECLARATION<br>DECLARATION DER ANSAGEZETTEL<br>XXXX     |

|        |                                   |                                   |                                  |                                          |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
|--------|-----------------------------------|-----------------------------------|----------------------------------|------------------------------------------|------------|---------------|-------------|---------------|---------------|--------|-----------------------------------------------|---------------------------------------------|----------------------------------------------------|---------------------------------------|------------|----------------------------------|----------------------------------------|---------------------------------------|---------------------------------------|
|        |                                   | 00                                | 01                               | 02                                       | 03         | 04            | 05          | 06            | 07            | 08     | 09                                            | 10                                          | 11                                                 | 12                                    | 13         | 14                               | 15                                     |                                       |                                       |
|        |                                   | ITALIANO                          |                                  | ENGLISH                                  |            | FRANCAIS      |             | DEUTSCH       |               |        | ITALIANO                                      |                                             | ENGLISH                                            |                                       | FRANCAIS   |                                  | DEUTSCH                                |                                       |                                       |
| A      | B                                 | C                                 | D                                | E                                        | F          | G             | H           | I             | J             | O/1    | INTERRUTTORE ACCESO/SPENTO                    | Switch On Off                               | Interrupteur On Off                                | Schalter ein/aus                      | AP         | PRESSOSTATO DI ALTA              | "high pressure" control                | pressostat "haut pression"            | hochdruckpressostat                   |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | AE     | ALLARME ESTERNO                               | remote alarm                                | alarme exterieur                                   | alarme exterieur                      | BP         | PRESSOSTATO DI BASSA             | pressure switch "low pressure"         | pressostat "basse pression"           | druckschalter "niedrig druck"         |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | AL     | ALLARME                                       | alarm                                       | alarme                                             | alarm                                 | FL         | FLUSSOSTATO                      | flowswitch                             | fluxostat                             | stromungswaechter                     |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | ALDEO  | ALLARME DEUMIDIFICATORE                       | alarm dehumidifier                          | alarme dehumidificateur                            | alarm entfuechter                     | EXV        | VALVOLA ELETTRONICA              | electronic electrovalve                | commande de electrovalve electronique | startsteuerung ventilelektronik       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | ALSAN  | ALLARME SANITARIO                             | health alert                                | alarme la santé                                    | gesundheit alarm                      | FLGEO      | FLUSSOSTATO GEOTERMICO           | geothermal flowswitch                  | débitmètre géothermie                 | Geothermie strömungsschalter          |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | ALIMP  | ALLARME CALDAIA/RESISTENZA                    | boiler/heater alarm                         | alarme chaudiere/resistance                        | alarm kessel/elekt. Widerstände       | FLIMP      | FLUSSOSTATO IMPIANTO             | system flowswitch                      | débitmètre de système                 | Anlage strömungsschalter              |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | BL     |                                               | blue                                        | bleu                                               | blau                                  | MAP        | MORSETTIERA PRESSOSTATO DI ALTA  | pressure switch "high pressure" clamps | bornes de pressostat "gran pression"  | druckschalter "hock druck" klemmen    |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | CCP    | CONTATTATORE COMPRESSORE                      | compressor contactor                        | contacteur compresseur                             | kompressorschuetz                     | MBP        | MORSETTIERA PRESSOSTATO DI BASSA | pressure switch "low pressure" clamps  | bornes de pressostat "basse pression" | druckschalter "niedrig druck" klemmen |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | CP     | COMPRESSORE                                   | compressor                                  | compresseur                                        | kompressor                            | SAC        | SONDA ASPIRAZIONE COMPRESSORE    | air compressor suction probe           | sonde d'aspiration de compresseur     | kompressor saugsonde                  |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | CIMO   | CONTATTATORE MOTOPOMPA                        | pump contactor                              | contacteur de pompe                                | steuerschütz pumpe                    | SIM        | SONDA INGRESSO IMPIANTO          | input system probe                     | sonde de entrées installation         | sensor zwei anlage                    |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RCRE   | RELE' CALDAIA/RESISTENZA IMPIANTO             | relay boiler / heating system               | relay chaudiere/système de chauffage               | relais kessel/heizung                 | SGP        | SONDA GAS PREMENTE               | discharge pipe sensor                  | sonde sur refoulement                 | fühler-druckleitung                   |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RCRES  | RELE' CALDAIA/RESISTENZA SANITARIO            | relay boiler / heating health               | relay chaudiere de chauffage de sante'             | relais kessel/heizung                 | SIGEO      | SONDA INGRESSO GEOTERMICO        | input geothermal probe                 | sonde entree géothermique             | geothermie sensor                     |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | DCP    | DISPOSITIVO BASSE TEMPERATURE DEUMIDIFICATORE | low ambient temperature device dehumidifier | dispositif pour basse temperature dehumidificateur | winterregelung entfuechters           | SIW        | SONDA INGRESSO ACQUA (NTC)       | water inlet probe (NTC)                | sonde entree eau (NTC)                | fühler-wassereintritt (NTC)           |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | DRE    | AVVIATORE                                     | softstarter                                 | demarreur                                          | anlasser                              | SIWH       | SONDA INGRESSO ACQUA (NTC)       | water inlet probe (NTC)                | sonde entree eau (NTC)                | fühler-wassereintritt (NTC)           |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | F      | FUSIBILE                                      | fuse                                        | fusible                                            | anlasser                              | SRIM       | SONDA RITORNO IMPIANTO           | output system probe                    | sonde de sorties installation         | ausgang wärmetauscher sensor          |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | FRC    | FILTRO ANTIDISTURBO                           | Interference suppressor                     | antiparasitage                                     | Funkentstörung                        | SSAN       | SONDA SANITARIO                  | probe health                           | sonde de santé                        | probe gesundheit                      |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | IG     | INTERRUTTORE GENERALE                         | Main switch                                 | Interrupteur général                               | Hauptschalter                         | SUGEO      | SONDA USCITA GEOTERMICO          | output geothermal probe                | sonde sortie géothermique             | ausgang erdwärmesonde                 |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | L      | FASE DI ALIMENTAZIONE                         | phase of power supply                       | phase de alimentation                              | phasen vom Stromversorgung            | SUIM       | SONDA USCITA IMPIANTO            | output system probe                    | sonde sortie installation             | sensor ausgang anlage                 |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | M      | MORSETTIERA                                   | clamps                                      | bornes                                             | klemmen                               | SUR        | SONDA USCITA RECUPERATORE        | recovery outlet probe                  | sonde sortie recuperation             | regenerator fühler-austritt           |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MA     | MARRONE                                       | brown                                       | marron                                             | braun                                 | SUW        | SONDA USCITA ACQUA (NTC)         | water outlet probe (NTC)               | sonde sortie eau (NTC)                | fühler-wasseraustritt (NTC)           |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MCON   | MORSETTIERA DI COMANDO                        | control clamps                              | bornes de commande                                 | startsteuerung klemmen                | SUVH       | SONDA USCITA ACQUA (NTC)         | water outlet probe (NTC)               | sonde sortie eau (NTC)                | fühler-wasseraustritt (NTC)           |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MP01   | MOTOPOMPA GEOTERMICO                          | pompe géothermie                            | pompe géothermie                                   | Geothermie pumpe                      | SSM        | SONDA VALVOLA MISCELATRICE       | mixing valve probe                     | sonde robinet mélange                 | mischer-ventil probe                  |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MP02   | MOTOPOMPA PRIMARIO                            | primary pump                                | pompe primaire                                     | primär pumpe                          | TAP        | TRASDUTTORE ALTA PRESSIONE       | high pressure trasducer                | transducteur haute pression           | HD-drucktransmitter                   |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MP03   | MOTOPOMPA SANITARIO                           | water tank pump                             | pompe pour ballon ECS                              | pumpe im Wassertank                   | TBP        | TRASDUTTORE BASSA PRESSIONE      | low pressure trasducer                 | transducteur basse pression           | ND-drucktransmitter                   |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MRTF   | MORSETTIERA REG. TAGLIO DI FASE               | governor-cut phase clamps                   | bornes de gouverneur coupe phase                   | klemmen der gouverneur cut-phase      |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MSN    | MORSETTIERA DI SEGNALE                        | signal clamps                               | bornes de signal                                   | signal klemmen                        |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MTA    | MAGNETOTERMICO AUSILIARI                      | auxiliary services magneto-thermal          | magneto-thermique services auxiliaires             | schalter für Zubehör                  |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MTMPO  | MAGNETOTERMICO POMPA                          | pump magneto-thermal                        | magneto-thermique de pompe                         | schalter für pumpe                    |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | MTCP   | MAGNETOTERMICO COMPRESSORE                    | compressor magneto-thermal                  | magnetho-thermique compresseur                     | motorschuttschalter kompressor        |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| N      | NEUTRO DI ALIMENTAZIONE           | neutral of power supply           | neutre de alimentation           | neutral vom Stromversorgung              |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| NE     | NERO                              | black                             | noir                             | schwarz                                  |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| PE     | COLLEGAMENTO DI TERRA             | grounded                          | mise à la terre                  | erdungskontakt                           |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| PD     | PRESSOSTATO DIFFERENZIALE         | differential pressure switch      | pressostat différentiel          | druckdifferenzschalter                   |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| PDH    | PRESSOSTATO DIFFERENZIALE         | differential pressure switch      | pressostat différentiel          | druckdifferenzschalter                   |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| RPIMX1 | RELE' POMPA ZONA 1                | relay pump zone 1                 | relais pompe de zone 1           | relay pumpe in zone 1                    |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| PR     | PANNELLO REMOTO                   | remote panel                      | commande a distance              | remote panel                             |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| R      | RELE'                             | rele'                             | relais                           | relais                                   |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| RAP    | RELE' ALTA PRESSIONE              | "high pressure" relay             | Relais haute pression            | hockdruckrelais                          |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RC     | RESISTENZA OLIO COMPRESSORE                   | compressor oil heater                       | résistance huile CP                                | kubelwannenheizung                    |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RCP    | RELE' COMPRESSORE                             | air compressor rele'                        | relais de compresseur                              | kompressor relais                     |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RCS    | RELE' CONTROLLO SEQUENZA                      | phase sequence relay                        | relais sequenciel                                  | relais phasenreihenfolge              |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RE     | RESISTENZA ANTIGELO                           | antifreeze resistances                      | résistance antigel                                 | einfriererhütend Widerstände          |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RER    | ANTIGELO RECUPERO                             | antifreeze recovery                         | recouvrement antigel                               | antifreeze recovery                   |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RMPO   | RELE' MOTOPOMPA                               | pump rele'                                  | relais de pompe                                    | pumpe relais                          |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RI     | RISCALDATORE                                  | heating device                              | chauffage                                          | heizvorrichtung                       |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RVSE   | RELE' VALVOLA ECONOMIZER                      | economizer rele'                            | relais de economizer                               | economizer relais                     |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | RX     | RESISTENZA BACINELLA                          | tray resistance                             | résistance de bassins                              | tropfschale Widerstände               |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| SIC    | CATENA SICUREZZE                  | thermal emergencies               | thermiques sécurité              | sicherheit spannungsreiche               |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| TEP    | RELE' RITARDATO                   | delayed rele'                     | relais retard                    | zeit relais                              |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| TGP    | TERMOSTATO GAS PREMENTE           | discharge gas thermostat          | thermostat de gaz de décharge    | Druckgas Thermostat                      |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| TR     | TRASFORMATORE                     | Transformer                       | transformateur                   | Transformator                            |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| TP     | TRASDUTTORE DI PRESSIONE          | pressure transducer               | transducteur pression            | drucktransmitter                         |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| TSME   | TERMOSTATO MECCANICO              | mechanical thermostat             | Thermostat mécanique             | thermischer mechanische                  |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| TSRE   | TERMOSTATO RESISTENZE ANTIGELO    | antifreeze resistances thermostat | thermostat de résistance antigel | einfriererhütend Widerstände thermischer |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| TSRI   | TERMOSTATO SICUREZZA RISCALDATORE | heating device safety thermostat  | thermostat de sécurité chauffage | sicherheit heizvorrichtung thermischer   |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | TV     | TERMICA VENTILATORE                           | thermistor fan coil                         | thermistance ventilateur                           | thermistor gebläse                    |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | V3VF   | VALVOLA A 3 VIE FREECOOLING                   | three-way valve freecooling                 | vanne à trois voies freecooling                    | dreiwegenventil freecooling           |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | V3VS   | VALVOLA A 3 VIE SANITARIO                     | three-way valve health                      | vanne à trois voies de santé                       | dreiwegenventil gesundheit            |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | VC     | VALVOLA INVERSIONE CICLO                      | reverse cycle valve                         | vanne inversion de cycle                           | umkehrventil                          |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | VLS    | VALVOLA INTERCETTAZIONE LIQUIDO               | electrovalve liquid interception            | électrovalve interception de liquide               | liquid abfangen magnetventil          |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | VMD    | VALVOLA MODULANTE A 2 VIE                     | 2-way modulating valve                      | Vanne modulante à deux voies                       | Modulierendes Zwei-Wege-Ventil        |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | VMS    | VALVOLA MODULANTE SANITARIO                   | modulating valve health                     | Modulation de la santé valve                       | RegelVentil gesundheit                |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | VMIX1  | VALVOLA MISCELATRICE ZONA 1                   | mixing valve zone 1                         | Vanne de zone de mélange 1                         | mischer-Ventil zone 1                 |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               | VS     | VALVOLA SOLENOIDE INIEZ. LIQUIDO              | electrovalve injection of liquid            | électrovalve injection de liquide                  | elektroventil injection vom flüssigen |            |                                  |                                        |                                       |                                       |
| VSE    | VALVOLA SOLENOIDE ECONOMIZER      | electrovalve economizer           | électrovalve economizer          | elektroventil economizer                 |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
| WRL    |                                   |                                   | CLIENTE                          |                                          | CLIENT     |               | QUADRO      |               | TABLEAU       |        | TABLEAU                                       |                                             | FOGLIO                                             |                                       | PAGE       |                                  |                                        |                                       |                                       |
|        |                                   |                                   | CUSTOMER                         |                                          | KUNDE      |               | BOARD       |               | SCHALTAPPARAT |        | POMPE a Chaleur TRIPHASE WRL - 2E00929()      |                                             | PAGE                                               |                                       | 2          |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               |        |                                               |                                             |                                                    |                                       |            |                                  |                                        |                                       |                                       |
|        |                                   |                                   | DATA                             | DATE                                     | AGGIORNATO | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.      | PROJET | DICHIARAZIONE N°                              | DÉCLARATION                                 | COMMESSA                                           | TRAVAIL                               | SEGUE      | SUITE                            |                                        |                                       |                                       |
|        |                                   |                                   | DATE                             | DATUM                                    | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.      | BILD   | DECLARATION NR.                               | DER ANSAGEZETTEL                            | PROJECT NR.                                        | PROJET                                | NEXT PAGE  | METIER                           |                                        |                                       |                                       |
|        |                                   |                                   | 27/09/10                         |                                          |            |               | P.E.        |               | 10-407        |        | XXXX                                          | 1100                                        |                                                    |                                       | 4          |                                  |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               |        |                                               |                                             |                                                    |                                       | TOT. FOGLI | TOTAL FEUILLES                   |                                        |                                       |                                       |
|        |                                   |                                   |                                  |                                          |            |               |             |               |               |        |                                               |                                             |                                                    |                                       | 38         |                                  |                                        |                                       |                                       |

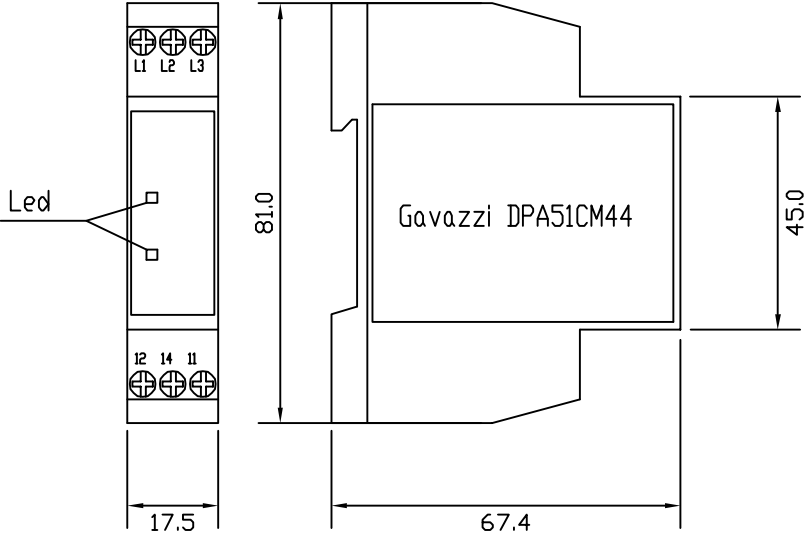






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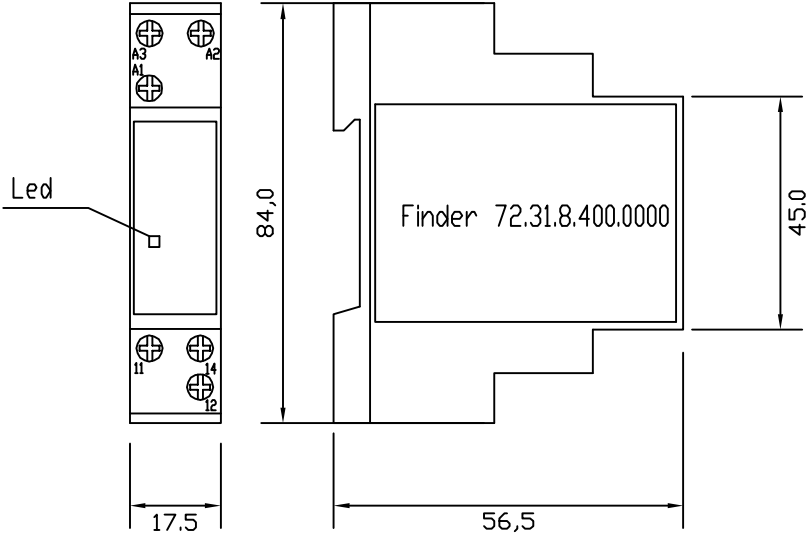
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14 = N.Ø.  
12 = N.C.



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SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

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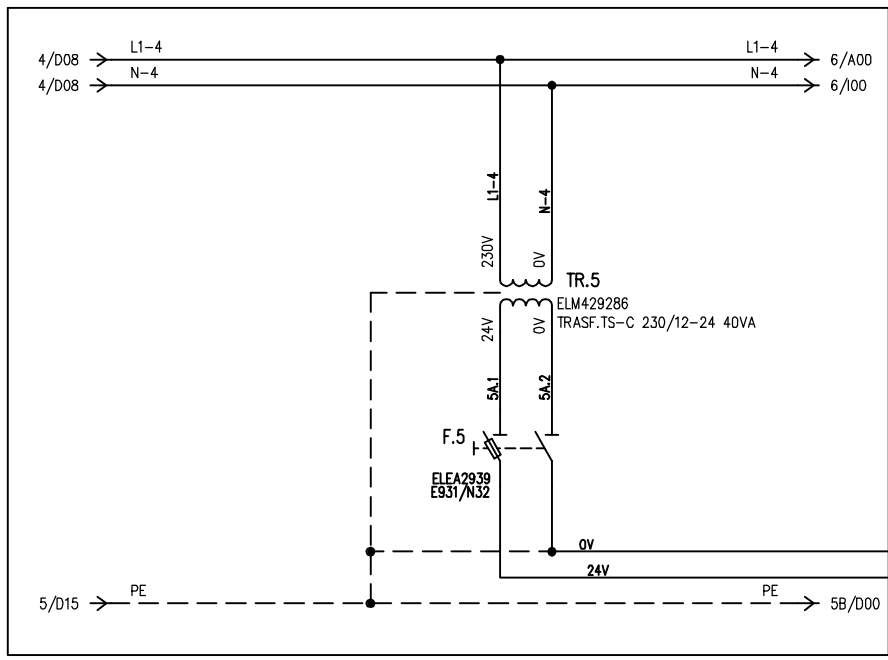
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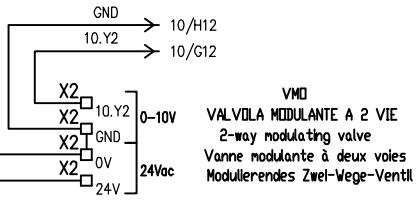
RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais



A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |     | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |             |    |  |  |  |  |                 | nomenclature<br>betrieb art         |                                                   | utilisateur                      |                                         |                                               |           |               |          |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------|-------------|----|--|--|--|--|-----------------|-------------------------------------|---------------------------------------------------|----------------------------------|-----------------------------------------|-----------------------------------------------|-----------|---------------|----------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |     |                                                                                    |             |    |  |  |  |  |                 | kW                                  | macht<br>Insgesamt                                | puissance<br>totale              | typ                                     | type                                          |           |               |          |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |     |                                                                                    |             |    |  |  |  |  |                 | A                                   | aufgenommene<br>Stromung                          | courant lb                       | kW                                      | aufgenommene<br>leistung                      |           |               |          |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |     |                                                                                    |             |    |  |  |  |  |                 |                                     | COS φ                                             | quoten der<br>zeitgleichzeitigen | facteur de<br>contemporain              |                                               |           |               |          |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |     |                                                                                    |             |    |  |  |  |  |                 | maschinenhersteller<br>constructeur |                                                   | disjoncteur or<br>sectionneur    |                                         |                                               |           |               |          |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |     |                                                                                    |             |    |  |  |  |  |                 | typ                                 |                                                   | type                             |                                         |                                               |           |               |          |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N |                                                                                    |             |    |  |  |  |  |                 | A                                   | In                                                | anzahl von<br>stangen            | nombre des<br>pôles                     |                                               |           |               |          |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |     |                                                                                    |             |    |  |  |  |  |                 | A                                   | Idn                                               | A                                | Ith                                     |                                               |           |               |          |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA  |                                                                                    |             |    |  |  |  |  |                 | kA                                  | abschaltleistung<br>pourvoir de<br>l'interruption | A (kurve) Im (courbe)            | leistungsschalter<br>oder trennschalter |                                               |           |               |          |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |     |                                                                                    |             |    |  |  |  |  |                 | typ                                 |                                                   | type                             |                                         | fusible                                       |           |               |          |
|                                                                            | CALIBRO                                | caliber                   |                         | 2A gL                                                                                   |     |                                                                                    |             |    |  |  |  |  |                 | A                                   |                                                   | kaliber                          |                                         | sicherung                                     |           |               |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |     |                                                                                    |             |    |  |  |  |  |                 | typ                                 |                                                   | type                             |                                         | contacteur                                    |           |               |          |
| CONTATTORE<br>contactor                                                    | In                                     | A                         | Pn                      | kW                                                                                      |     |                                                                                    |             |    |  |  |  |  |                 | kW                                  | Pn                                                | A                                | In                                      | contacteur<br>steuerschütz                    |           |               |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |     |                                                                                    |             |    |  |  |  |  |                 | typ                                 |                                                   | type                             |                                         | relais thermique                              |           |               |          |
|                                                                            | TARATURA                               | calibration               |                         | A                                                                                       |     |                                                                                    |             |    |  |  |  |  |                 | A                                   |                                                   | eichung                          |                                         | relais thermische                             |           |               |          |
|                                                                            | TIPO CAVO                              | cable type                |                         |                                                                                         |     |                                                                                    |             |    |  |  |  |  |                 | linie art                           |                                                   | type de câble                    |                                         | ligne<br>électrique<br><br>linie der<br>macht |           |               |          |
| FORMAZIONE                                                                 | section                                |                           |                         |                                                                                         |     |                                                                                    |             |    |  |  |  |  | abschnitt kabel |                                     | câble section                                     |                                  |                                         |                                               |           |               |          |
| LUNGHEZZA                                                                  | length                                 |                           | m                       |                                                                                         |     |                                                                                    |             |    |  |  |  |  | m               |                                     | kable-länge                                       |                                  | longueur                                |                                               |           |               |          |
| Iz                                                                         | A                                      |                           |                         |                                                                                         |     |                                                                                    |             |    |  |  |  |  | A               |                                     | Iz                                                |                                  |                                         |                                               |           |               |          |
| Cdt a lb                                                                   | v.d.                                   | %                         | Cdt tot. a lb           | total v.d.                                                                              | %   |                                                                                    |             |    |  |  |  |  |                 | %                                   | shunt<br>spannungsgrad                            | Cdt tot. a lb                    | %                                       |                                               |           | spannungsgrad | Cdt a lb |
| Zk                                                                         | mQ                                     | Zs                        | mQ                      |                                                                                         |     |                                                                                    |             |    |  |  |  |  |                 | mQ                                  | Zs                                                | mQ                               | Zk                                      |                                               |           |               |          |
| LINEA DI<br>POTENZA<br>power<br>line                                       | Ik                                     | trifase/monof.            | 3/1-phase               | kA                                                                                      | Ik  | fase/terzo                                                                         | phase/earth | kA |  |  |  |  |                 | kA                                  | phase/terzo                                       | phase/terre                      | kA                                      | trifase/monof.                                | 3/1-phase | kA            |          |
|                                                                            | Ik                                     | trifase/monof.            | 3/1-phase               | kA                                                                                      | Ik  | fase/terzo                                                                         | phase/earth | kA |  |  |  |  |                 | kA                                  | phase/terzo                                       | phase/terre                      | kA                                      | trifase/monof.                                | 3/1-phase | kA            |          |
|                                                                            | Ik                                     | trifase/monof.            | 3/1-phase               | kA                                                                                      | Ik  | fase/terzo                                                                         | phase/earth | kA |  |  |  |  |                 | kA                                  | phase/terzo                                       | phase/terre                      | kA                                      | trifase/monof.                                | 3/1-phase | kA            |          |
|                                                                            | Ik                                     | trifase/monof.            | 3/1-phase               | kA                                                                                      | Ik  | fase/terzo                                                                         | phase/earth | kA |  |  |  |  |                 | kA                                  | phase/terzo                                       | phase/terre                      | kA                                      | trifase/monof.                                | 3/1-phase | kA            |          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00929()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00929()

TAFEL  
SCHALT

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00929()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00929()

FOLIO  
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5A

PAGE  
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DATA  
DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHRIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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NEXT PAGE

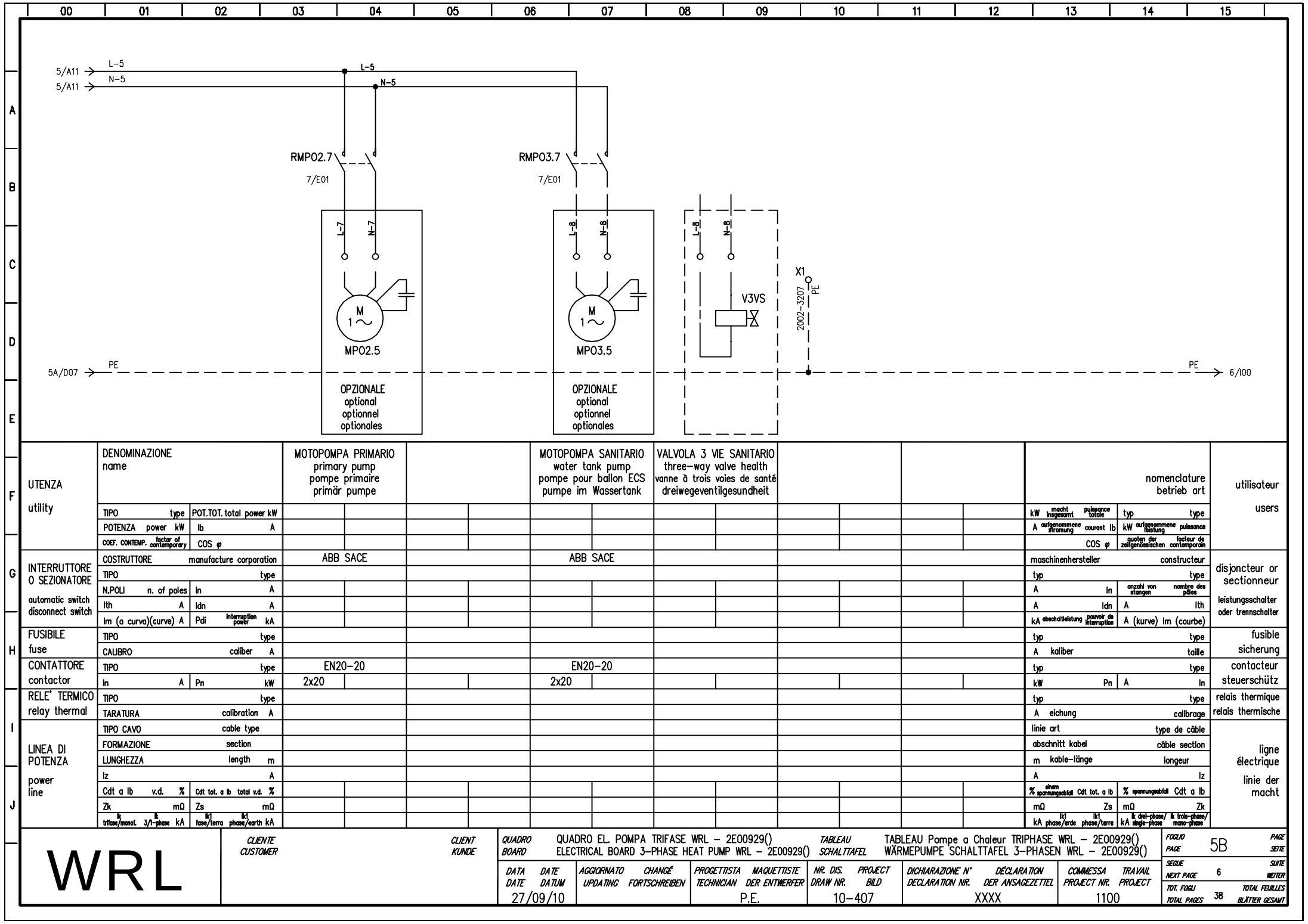
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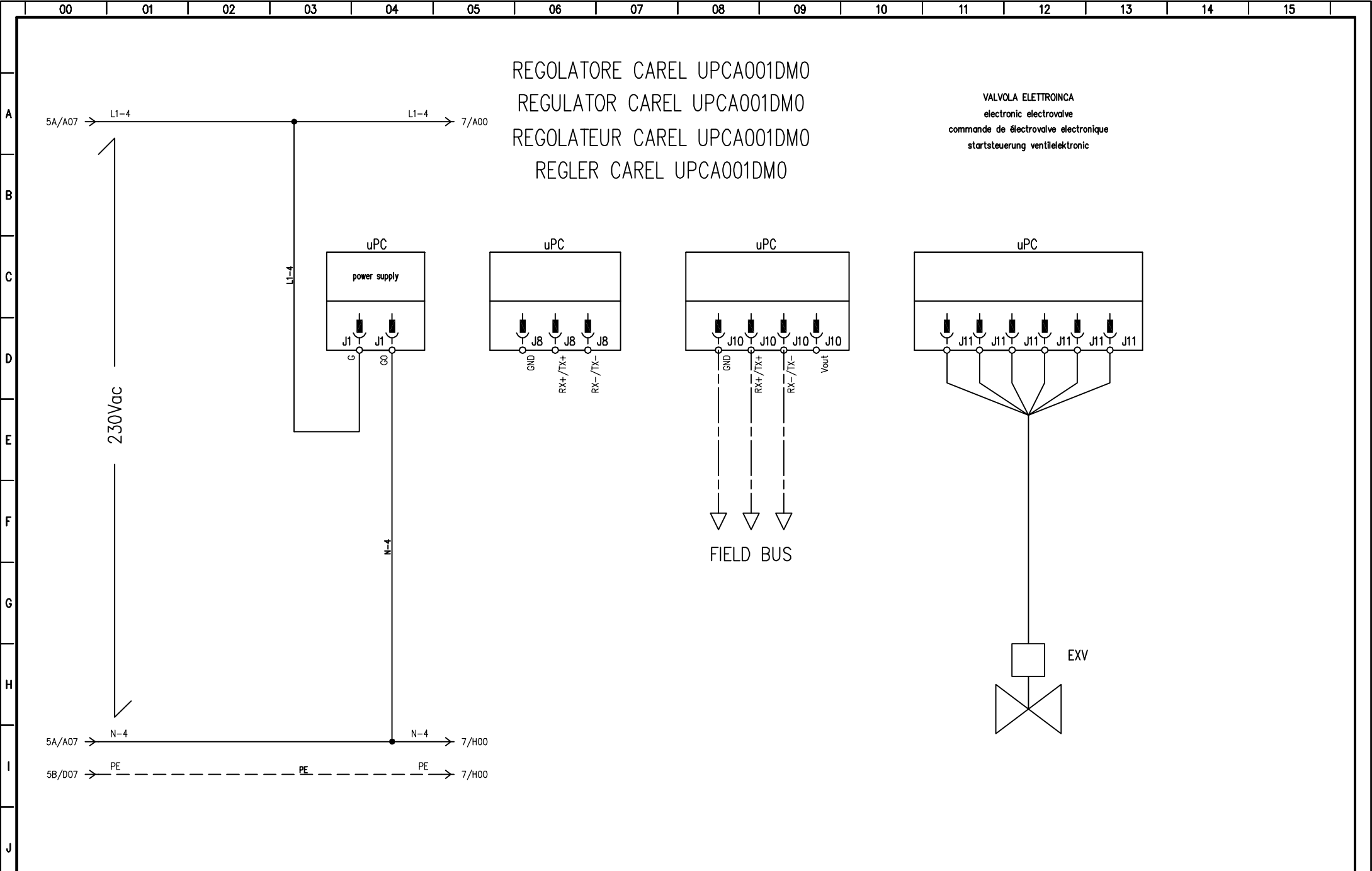
SUITE  
METER

TOT. FOLII  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT





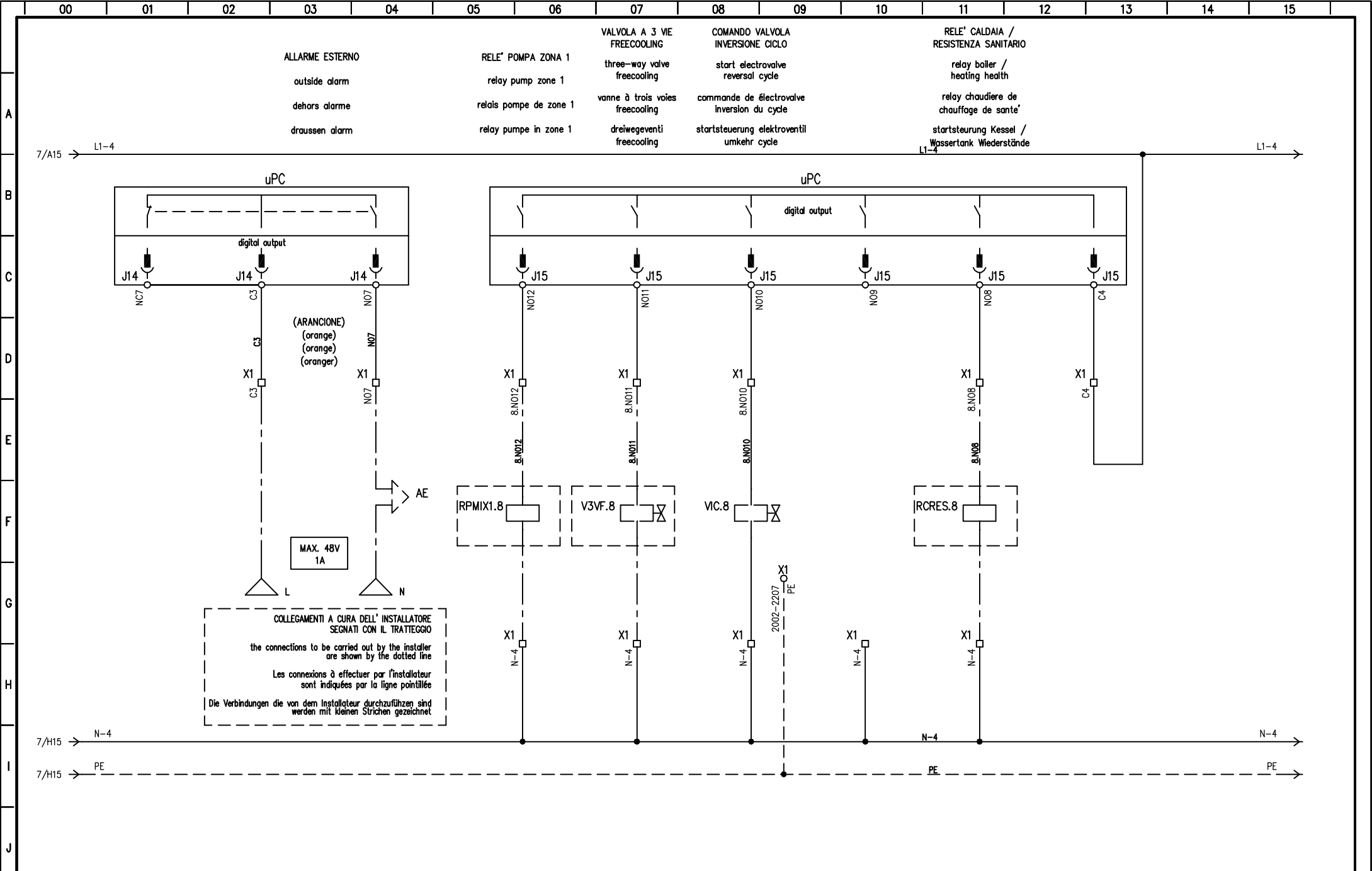
REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |       |                 |                                                    |             |                                                  |          |         |                  |                  |             |         |             |    |                |
|---------------------|-------|-----------------|----------------------------------------------------|-------------|--------------------------------------------------|----------|---------|------------------|------------------|-------------|---------|-------------|----|----------------|
| CLIENTE<br>CUSTOMER |       | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL – 2E00929()           |             | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00929() |          | Foglio  |                  | 6                | PAGE        |         |             |    |                |
|                     |       |                 | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL – 2E00929() |             | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL – 2E00929()   |          | PAGE    |                  |                  | SEITE       |         |             |    |                |
| DATA                | DATE  | AGGIORNATO      | CHANGE                                             | PROGETTISTA | MAQUETTISTE                                      | NR. DIS. | PROJECT | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL | SEGUE       | 7  | SUITE          |
| DATE                | DATUM | UPDATING        | FORTSCHREIBEN                                      | TECHNICIAN  | DER ENTWERFER                                    | DRAW NR. | BILD    | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | NEXT PAGE   |    | METER          |
| 27/09/10            |       |                 |                                                    | P.E.        |                                                  | 10-407   |         | XXXX             |                  | 1100        |         | TOT. FOGLI  | 38 | TOTAL FEUILLES |
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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00929()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00929()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00929()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00929()

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UPDATING

CHANGÉ  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

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PROJECT

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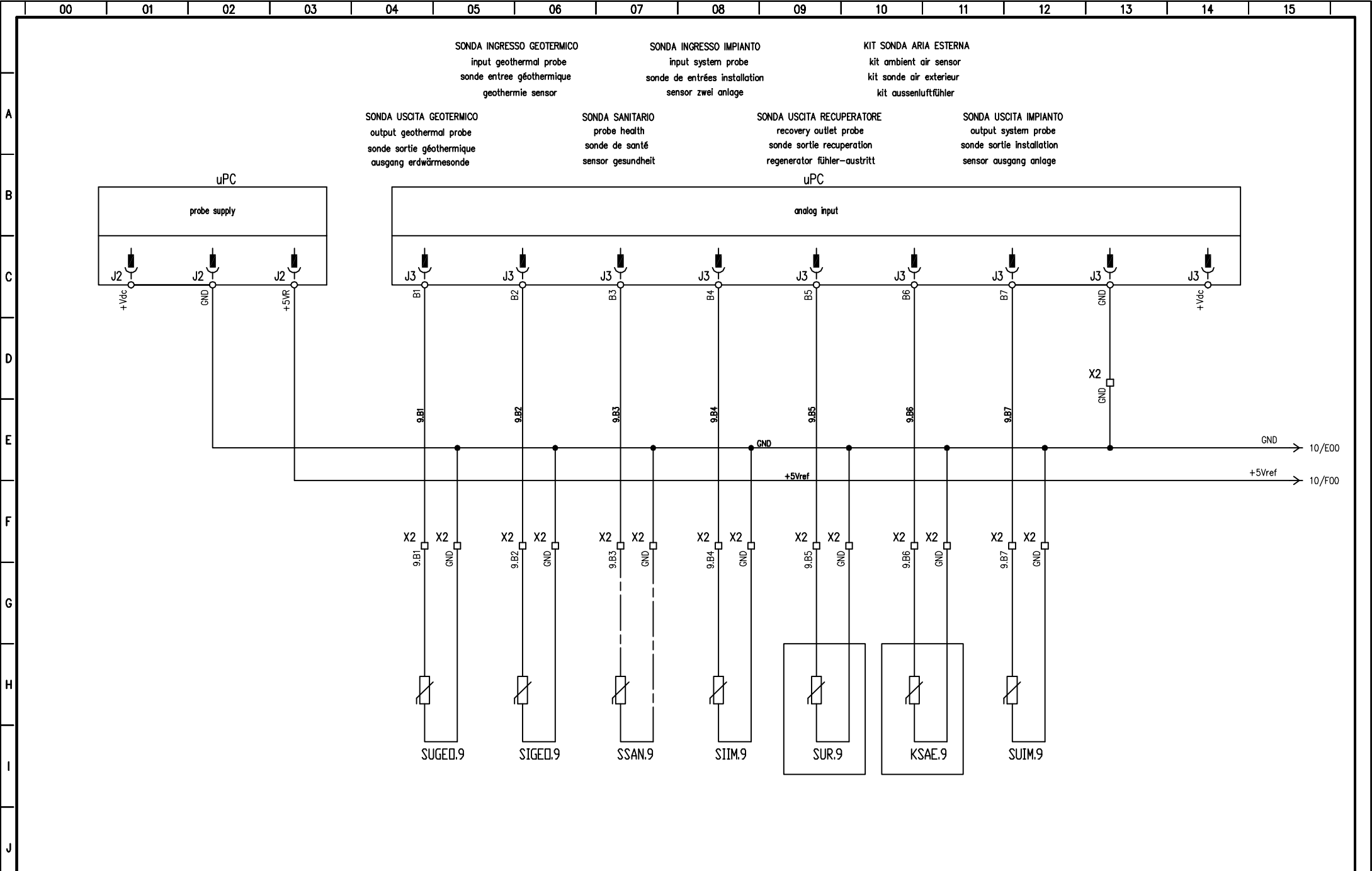
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SUITE  
METER

TOT. FOGLI  
TOTAL PAGES

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BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00929()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00929()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00929()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00929()

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27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

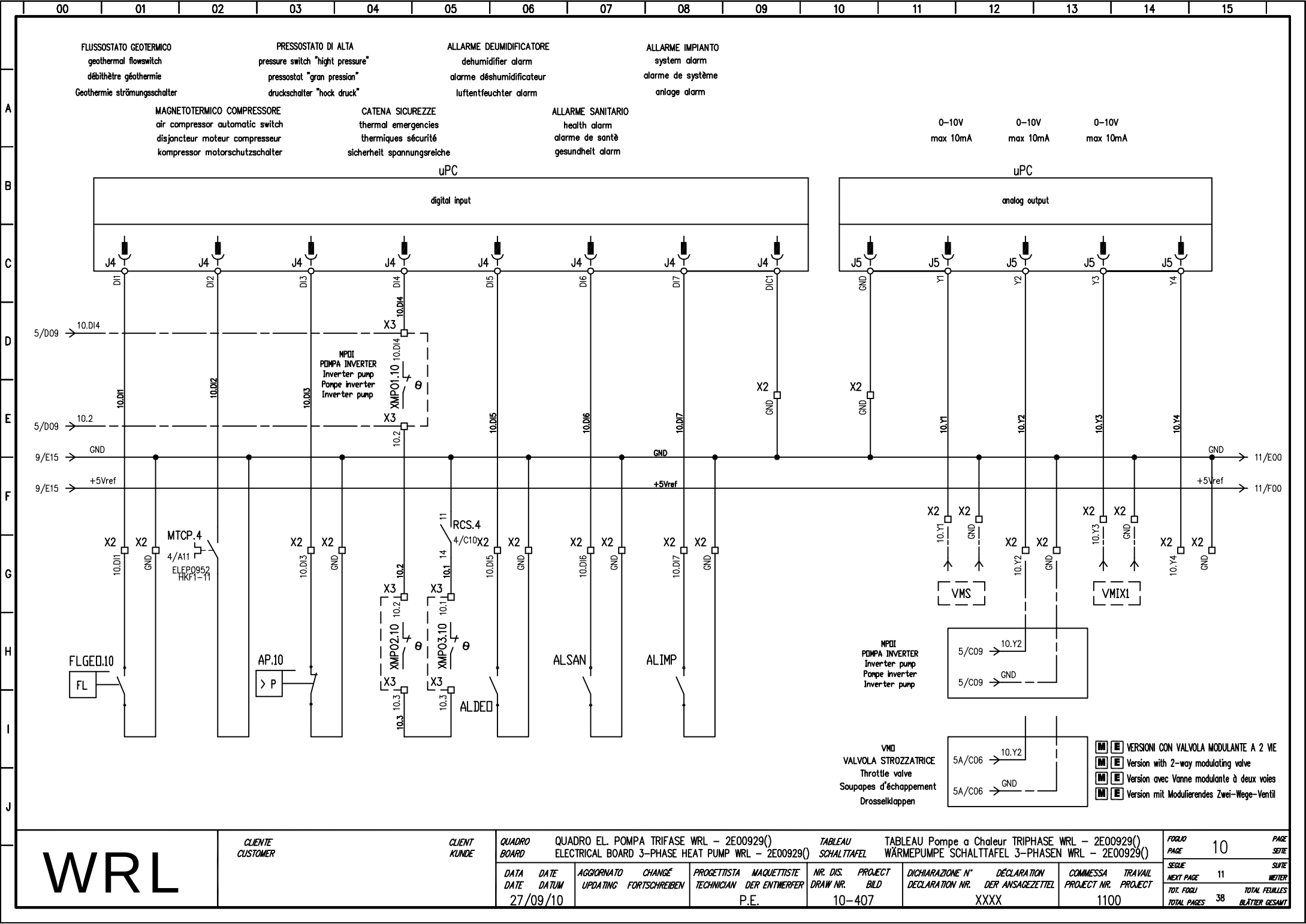
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DRAW NR. BILD  
10-407

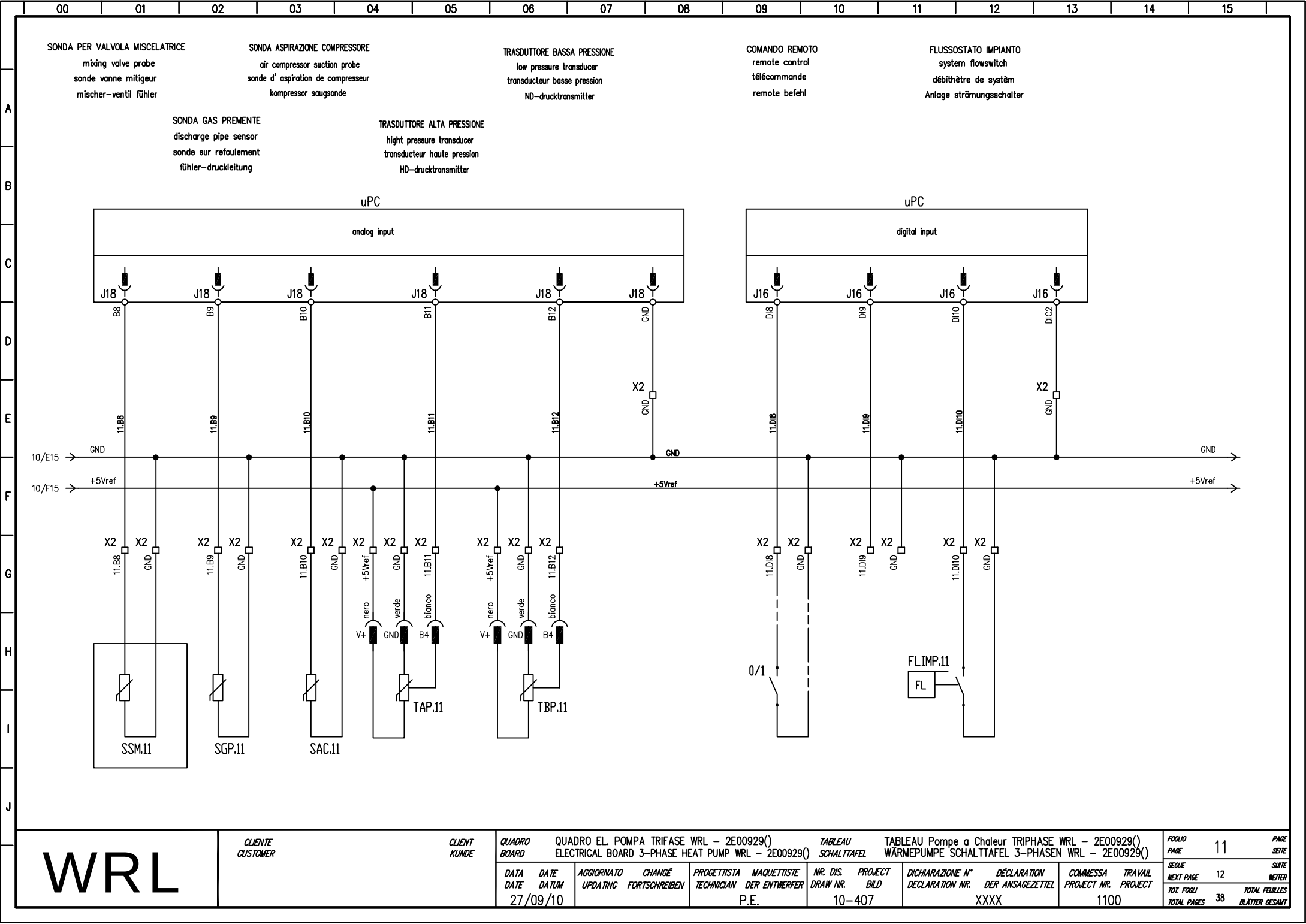
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DECLARATION NR. DER ANSAGEZETTEL  
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PROJECT NR. PROJECT  
1100

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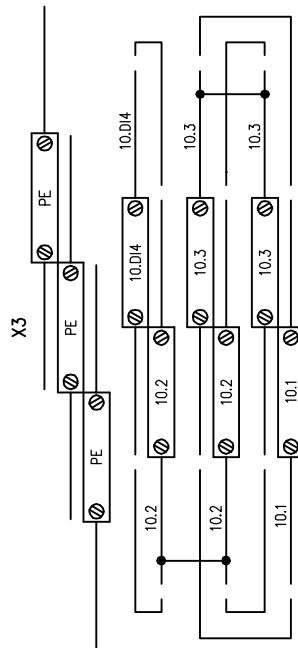
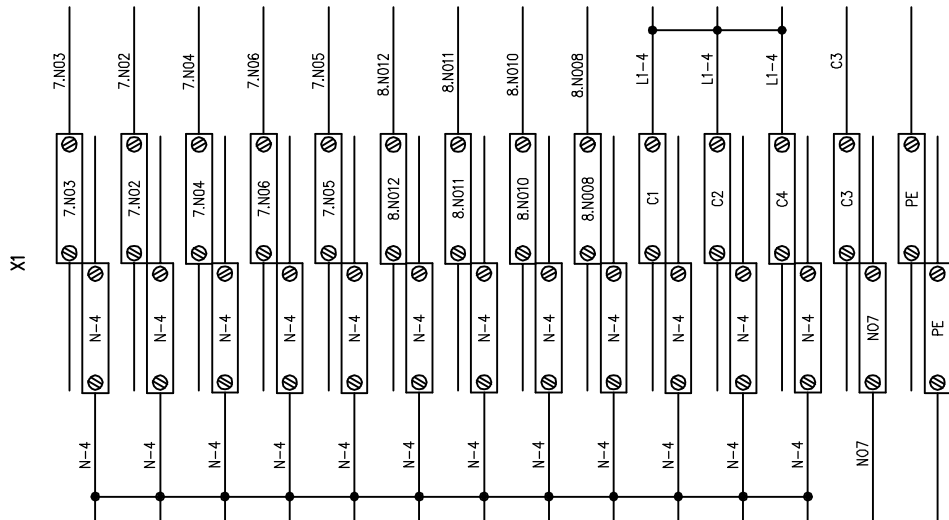






MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

MORSETTO TRIPLO G/V 2,5mmq MOLLA PE WAGO 2002-3207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00929()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00929()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00929()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00929()

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UPDATING

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PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

P.E.

NR. DIS.  
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PROJECT  
BILD

10-407

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

XXXX

COMMESSA  
PROJECT NR.

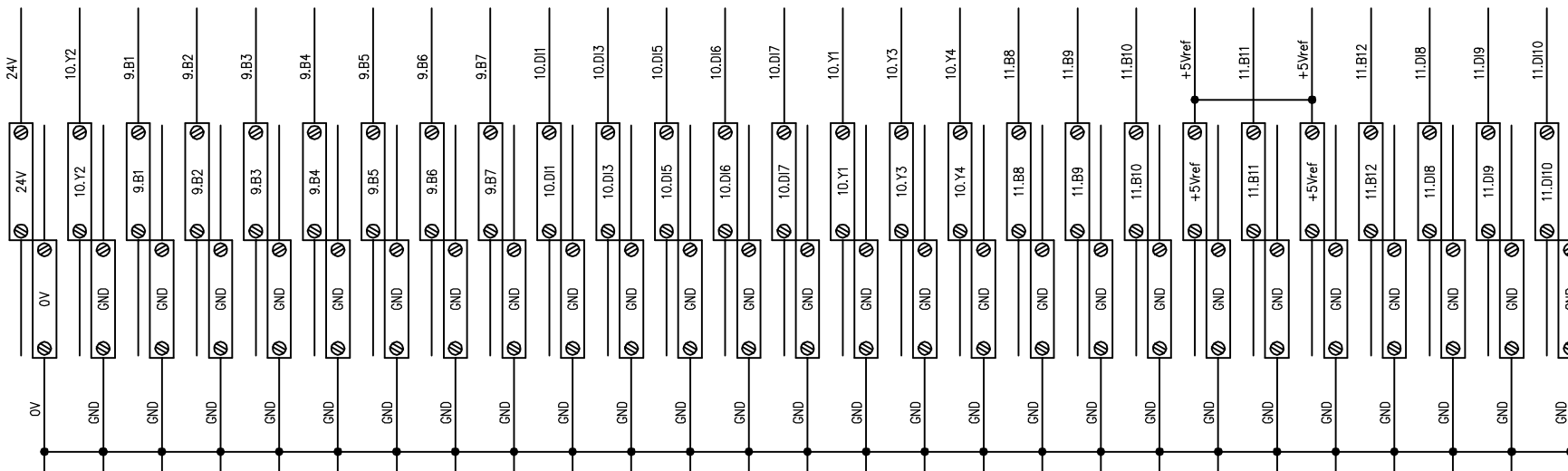
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PROJECT

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x2



# WRL

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| SEQUE       |    | SUITE          |
| NEXT PAGE   | 14 | WEITERE        |
| TOT. FOLIO  |    | TOTAL FEUILLES |
| TOTAL PAGES | 38 | BLÄTTER GESAMT |

Technical drawing of a control cabinet layout showing terminal blocks, relays, and wiring connections. The drawing includes the following components and labels:

- Terminal Blocks:**
  - X1:** A large terminal block on the left side.
  - X2:** A large terminal block on the right side.
  - X3:** A small terminal block at the bottom right.
- Relays and Modules:**
  - DRE.4:** A relay module with four units.
  - CCF.7:** A relay module with seven units.
  - MTCP.4:** A relay module with four units.
  - RMP01.7, RMP02.7, RMP03.7:** Relay modules with seven units each.
  - IG.4:** A relay module with four units.
  - MTA.4:** A relay module with four units.
  - MTPO.5:** A relay module with five units.
- Wiring and Connections:**
  - uPC:** A central unit with multiple horizontal lines representing wiring.
  - PE:** Grounding points at various locations.
  - IC16-40F.4:** A component within the IG.4 module.
  - IC10:** Components within the RMP modules.
  - RS.4:** A component at the bottom right.
- Other Labels:**
  - 16:** A label near the top left corner.
  - 17:** A label near the top right corner.

BEMERKUNGEN

- ☐ Tableau standard
- ☐ serienmäßig schalttafel

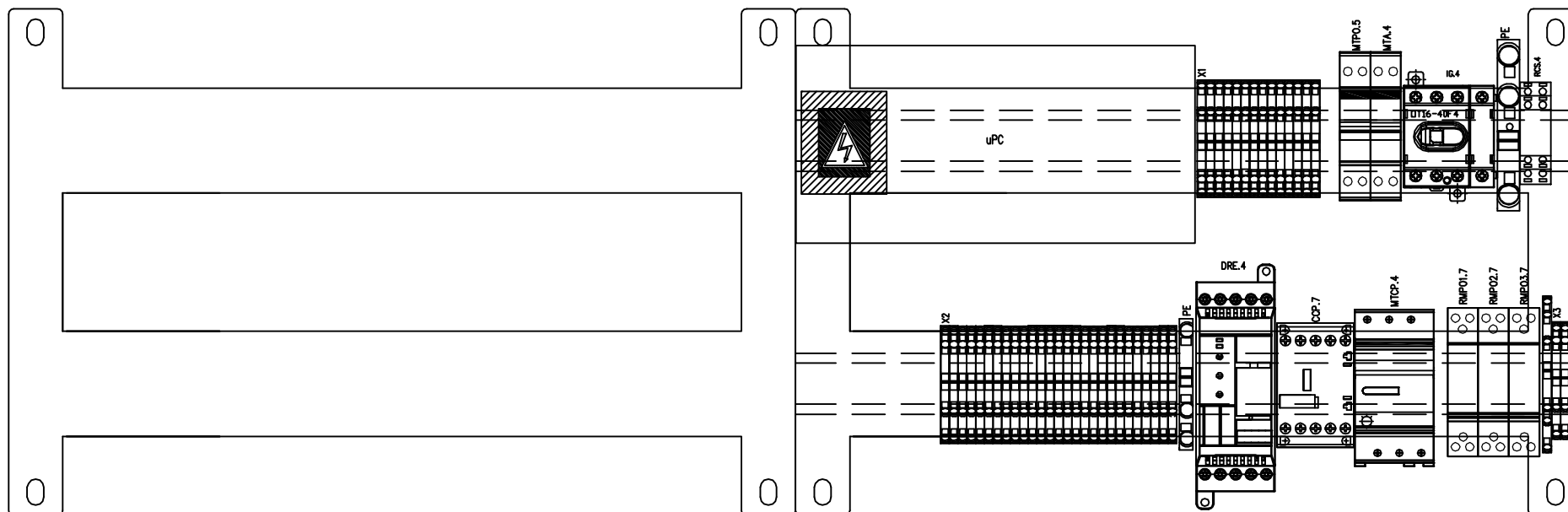
Technical drawing of the PCB layout for the 'uPC' (Universal Programmable Controller). The drawing shows the following components and connectors:

- uPC**: The main processing unit, represented by a large rectangle with a lightning bolt symbol indicating a high-voltage or sensitive area.
- TR.5**: A transformer or relay component on the left side.
- X1**: A multi-pin connector on the top edge.
- X2**: A multi-pin connector on the left edge.
- X3**: A multi-pin connector on the bottom edge.
- MTPO.5** and **MTA.4**: Multi-pin connectors on the right edge.
- IG.4**: A component labeled 'IG.4' on the right edge.
- DT 16-40F.4**: A component labeled 'DT 16-40F.4' on the right edge.
- PE**: A terminal block for ground connection on the right edge.
- RES.4**: A component labeled 'RES.4' on the right edge.
- F.5**: A component labeled 'F.5' on the right edge.
- DRE.4**: A component labeled 'DRE.4' on the left edge.
- CCP.7**: A component labeled 'CCP.7' on the left edge.
- MTCP.4**: A component labeled 'MTCP.4' on the left edge.
- RMP01.7**, **RMP02.7**, and **RMP03.7**: Components labeled 'RMP01.7', 'RMP02.7', and 'RMP03.7' on the left edge.

The drawing includes various dimensions and labels for the components and connectors, such as 'X1', 'X2', 'X3', 'TR.5', 'uPC', 'DRE.4', 'CCP.7', 'MTCP.4', 'RMP01.7', 'RMP02.7', 'RMP03.7', 'MTPO.5', 'MTA.4', 'IG.4', 'DT 16-40F.4', 'PE', 'RES.4', and 'F.5'.

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version avec Vanne modulante à deux voies  |
| <b>M</b> Version with 2-way modulating valve    | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



# WRL

**SUITE**  
**WEITER**

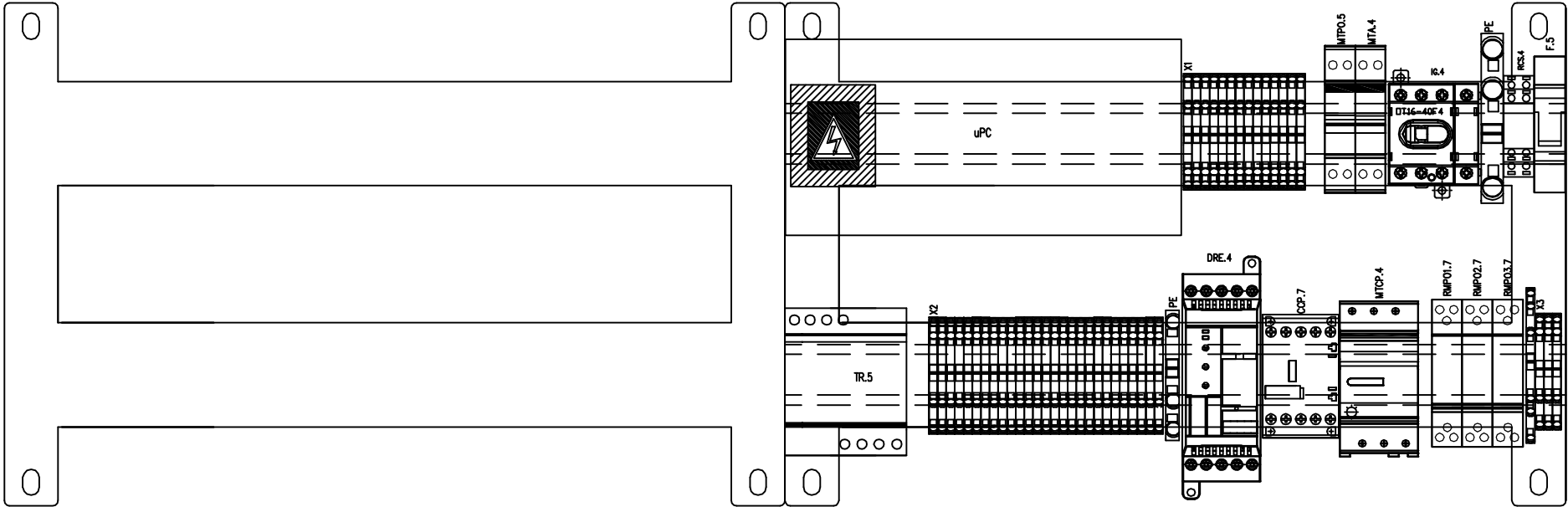
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**TOTAL FEUILLES**  
**BLÄTTER GESAMT**

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

|                                                                                                                               |                                                                                                                      |                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA<br>Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNICAL DATA BOX<br>Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI<br>Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                              | DIMENSION<br>height: 350<br>Width: 1040<br>Deep: 160                                                                 | DIMENSION<br>Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                                       | ABMESSUNGEN<br>Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                                        |
| NOTE                                                                                                                          | NOTES                                                                                                                | NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                            |                                                                |
|------------------------------------------------------------|----------------------------------------------------------------|
| <b>E</b> VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE | <b>E</b> Version avec Stockage + Vanne modulante à deux voies  |
| <b>E</b> Version with Storage + 2-way modulating valve     | <b>E</b> Version mit Lagerung + Modulierendes Zwei-Wege-Ventil |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00929()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00929()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00929()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00929()

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DATE DATUM  
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AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

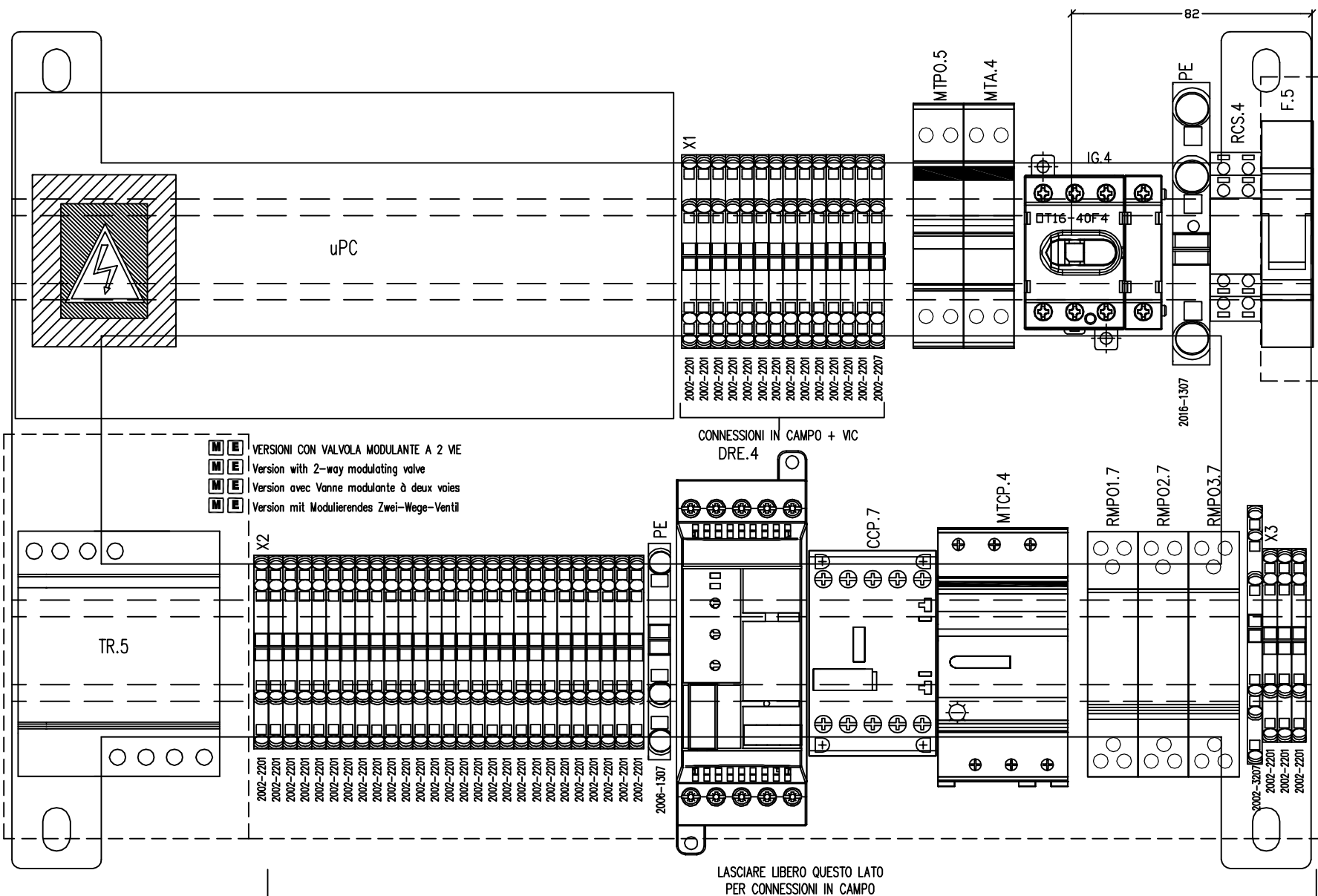
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DRAW NR. BILD  
10-407

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 38 BLÄTTER GESAMT





- VERSIONI CON VALVOLA MODULANTE A 2 VIE
- Version with 2-way modulating valve
- Version avec Vanne modulante à deux voies
- Version mit Modulierendes Zwei-Wege-Ventil

CONNESSIONI IN CAMPO + VIC  
DRE.4

LASCIARE LIBERO QUESTO LATO  
PER CONNESSIONI IN CAMPO

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00929()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00929()

TABEUA  
SCHALTAFEL

TABEUA Pompe a Chaleur TRIPHASE WRL - 2E00929()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00929()

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UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-407

DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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TOTAL FEUILLES  
BLÄTTER GESAMT

|                                                       |            |           |        |
|-------------------------------------------------------|------------|-----------|--------|
| POMPA TRIFASE                                         |            |           | WRL040 |
| Quadro elettrico                                      |            | REV       |        |
| cod.                                                  | 2E00930    | 1         |        |
| cod.                                                  | 2E00930A   | 1         | A      |
| cod.                                                  | 2E00930M   | 1         | M      |
| cod.                                                  | 2E00930E   | 1         | E      |
|                                                       |            |           |        |
| rif.                                                  | 2E00787A_2 | 2E00857_3 |        |
| lotto                                                 | nr.: XXXX  |           |        |
| VERS.                                                 |            |           |        |
| NO SOFTSTARTER – SI MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |        |

|                                     |                                        |                                     |                                     |                                     |                                           |                                     |                                            |
|-------------------------------------|----------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------|--------------------------------------------|
| <input type="checkbox"/>            | QUADRO DI SERIE                        | <input type="checkbox"/>            | Standard Board                      | <input type="checkbox"/>            | Tableau standard                          | <input type="checkbox"/>            | serienmäßig schalttafel                    |
| <input checked="" type="checkbox"/> | VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> | Version with Storage                | <input checked="" type="checkbox"/> | Version avec Stockage                     | <input checked="" type="checkbox"/> | Version mit Lagerung                       |
| <input checked="" type="checkbox"/> | VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> | Version with 2-way modulating valve | <input checked="" type="checkbox"/> | Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> | Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> | A + M                                  | <input checked="" type="checkbox"/> | A + M                               | <input checked="" type="checkbox"/> | A + M                                     | <input checked="" type="checkbox"/> | A + M                                      |

|                        |                     |                      |                |
|------------------------|---------------------|----------------------|----------------|
| WRL                    |                     |                      |                |
| Costruttore            | Manufacturer        | NORMA CEI EN 60335-1 |                |
| COD. ARTICOLO          | Article Code        | 2E009300_01          | 03/03/11       |
| ALIMENTAZIONE          | Power supply        | 3/N/PE - 50 Hz 400V  |                |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 Hz 50      |
| POMPA DI CALORE WRL040 | Heat Pump WRL040    | A Max                | 10,4           |
|                        |                     |                      |                |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x             |
|                        |                     |                      |                |
| NOTE NR. LOTTO=        | Notes               | XXXX                 | CEI EN 60335-1 |

|                        |                     |                      |                |
|------------------------|---------------------|----------------------|----------------|
| WRL                    |                     |                      |                |
| Constructeur           | Maschinenhersteller | NORMA CEI EN 60335-1 |                |
| Code Article           | Artikelcode         | 2E009300_01          | 03/03/11       |
| Alimentation           | Stromversorgung     | 3/N/PE - 50 Hz 400V  |                |
| Tension Nominale       | Nennspannung        | V                    | 400 Hz 50      |
| Pompe a Chaleur WRL040 | Wärmepumpe WRL040   | A Max                | 10,4           |
|                        |                     |                      |                |
| Degré de protection    | Schutzgrad          | IP                   | 2x             |
|                        |                     |                      |                |
| Note                   | Anmerkungen         | XXXX                 | CEI EN 60335-1 |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉE     |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|---------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD                 |
|                                                                                                                                                      |                 | 10-409                       |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                                                                                                                                                      |                 | 27/09/10                     |                                 |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00930                      | TABLEAU<br>SCHALTAFEL           |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 |                              |                                 |
|                                                                                                                                                      |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT              |
|                                                                                                                                                      |                 | 1100                         |                                 |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER    |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION | DECLARATION<br>DER ANSAGEZETTEL |
|                                                                                                                                                      |                 | XXXX                         |                                 |

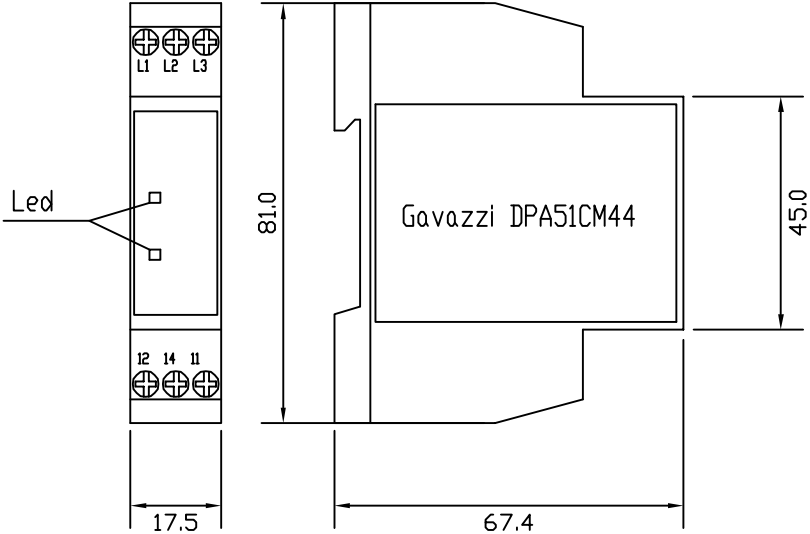
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| A |                                                                                                                                                                                                                                                                                                                                                                                      | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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|   | O/I<br>AE<br>AL<br>ALDEO<br>ALSAN<br>ALUMP<br>BL<br>CCP<br>CP<br>CMPO<br>RCRE<br>RCRES<br>DCP                                                                                                                                                                                                                                                                                        | INTERRUTTORE ACCESO/SPENTO<br>ALLARME ESTERNO<br>ALLARME<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>CONTATTORE COMPRESSORE<br>COMPRESSORE<br>CONTATTORE MOTOPOMPA<br>RELE' CALDAIA/RESISTENZA IMPIANTO<br>RELE' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE<br>DEUMIDIFICATORE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Switch On Off<br>remote alarm<br>alarm<br>alarm dehumidifier<br>health alert<br>boiler/heater alarm<br>blue<br>compressor contactor<br>compressor<br>pump contactor<br>relay boiler / heating system<br>relay boiler / heating health<br>low ambient temperature device<br>dehumidifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relais chaudière/système de chauffage<br>relais chaudière de chauffage de santé<br>dispositif pour basse température<br>déhumidificateur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elektr. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pumpe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank Widerstände<br>winterregelung<br>entfeuchters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |    |    |    | AP<br>BP<br>FL<br>EXV<br>FLGEO<br>FLIMP<br>MAP<br>MBP<br>KSAE<br>SAC<br>SIM<br>SGP<br>SIGEO<br>SIW<br>SIWH<br>SRIM<br>SSAN<br>SUGEO<br>SUIM<br>SUR<br>SUW<br>SUWH<br>SSM<br>TAP<br>TBP | PRESSOSTATO DI ALTA<br>PRESSOSTATO DI BASSA<br>FLUSSOSTATO<br>VALVOLA ELETTRONICA<br>FLUSSOSTATO GEOTERMICO<br>FLUSSOSTATO IMPIANTO<br>MORSETTIERA PRESSOSTATO DI ALTA<br>MORSETTIERA PRESSOSTATO DI BASSA<br>SONDA ARIA ESTERNA<br>SONDA ASPIRAZIONE COMPRESSORE<br>SONDA INGRESSO IMPIANTO<br>SONDA GAS PREMENTE<br>SONDA INGRESSO GEOTERMICO<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA RITORNO IMPIANTO<br>SONDA SANITARIO<br>SONDA USCITA GEOTERMICO<br>SONDA USCITA IMPIANTO<br>SONDA USCITA RECUPERATORE<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA VALVOLA MISCELATRICE<br>TRASDUTTORE ALTA PRESSIONE<br>TRASDUTTORE BASSA PRESSIONE | "high pressure" contral<br>pressure switch "low pressure"<br>flowswitch<br>electronic electrovalve<br>geothermal flowswitch<br>system flowswitch<br>pressure switch "high pressure" clamps<br>pressure switch "low pressure" clamps<br>ambient air probe<br>air compressor suction probe<br>input system probe<br>discharge pipe sensor<br>input geothermal probe<br>water inlet probe (NTC)<br>water inlet probe (NTC)<br>output system probe<br>probe health<br>output geothermal probe<br>output system probe<br>recovery outlet probe<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>mixing valve probe<br>high pressure trasducer<br>low pressure trasducer | pressostat "haut pression"<br>pressostat "basse pression"<br>fluxostat<br>commande de électrovalve électronique<br>débitmètre géothermie<br>débitmètre de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air extérieur<br>sonde d'aspiration de compresseur<br>sonde de entrées installation<br>sonde sur refolement<br>sonde entree géothermique<br>sonde entree eau (NTC)<br>sonde entree eau (NTC)<br>sonde de sorties installation<br>sonde de santé<br>sonde sortie géothermique<br>sonde sortie installation<br>sonde sortie recuperation<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde robinet mélange<br>transducteur haute pression<br>transducteur basse pression | hochdruckpressostat<br>druckschalter "niedrig druck"<br>stroemungswaechter<br>startsteuerung ventilelektronic<br>Geothermie strömungsschalter<br>Anlage strömungsschalter<br>druckschalter "hock druck" klemmen<br>druckschalter "niedrig druck" klemmen<br>aubenluftfuehler<br>kompressor saugsonde<br>sensor zwei anlage<br>fühler-druckleitung<br>geothermie sensor<br>fühler-wassereintritt (NTC)<br>fühler-wassereintritt (NTC)<br>Ausgang Wärmetauscher sensor<br>probe gesundheit<br>ausgang erdwärmesonde<br>sensor ausgang anlage<br>regenerator fühler-austritt<br>fühler-wasserströmung (NTC)<br>fühler-wasserströmung (NTC)<br>mischerventil probe<br>HD-drucktransmitter<br>ND-drucktransmitter |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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| B | DRE<br>F<br>FRC<br>IG<br>L<br>M<br>MA<br>MCN<br>MPO1<br>MPO2<br>MPO3<br>MRTF<br>MSN<br>MTA<br>MTMPO<br>MTCP<br>MTR<br>N<br>NE<br>PE<br>PD<br>PDH<br>RPMIX1<br>PR<br>R<br>RAP<br>RC<br>RCP<br>RCS<br>RE<br>RER<br>RIMO<br>RI<br>RVSE<br>RX<br>SET<br>SIC<br>TEP<br>TGP<br>TR<br>TSME<br>TSRE<br>TSRI<br>TSVSE<br>TV<br>V3VF<br>V3VS<br>VIC<br>VLS<br>VMD<br>VMS<br>VMDX1<br>VS<br>VSE | AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relais chaudière/système de chauffage<br>relais chaudière de chauffage de santé<br>dispositif pour basse température<br>déhumidificateur<br>démarrateur<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase de alimentation<br>bornes<br>marron<br>bornes de commande<br>pompe géothermie<br>pompe primaire<br>pompe pour ballon ECS<br>bornes de gouverneur coupe phase<br>bornes de signal<br>magneto-thermique services auxiliaires<br>magneto-thermique de pompe<br>magneto-thermique compresseur<br>magneto-thermique Chauffage<br>neutre de alimentation<br>noir<br>mise à la terre<br>pressostat différentiel<br>pressostat différentiel<br>relais pompe de zone 1<br>commande à distance<br>relais<br>Relais haute pression<br>résistance huile CP<br>relais de compresseur<br>relais sequenciel<br>résistance antigel<br>recouvrement antigel<br>relais de pompe<br>chauffage<br>relais de economizer<br>résistance de bassins<br>second set<br>thermiques sécurité<br>relais retard<br>thermostat de gaz de décharge<br>transformateur<br>transducteur pression<br>Thermostat mécanique<br>thermostat de résistance antigel<br>thermostat de sécurité chauffage<br>Thermostat economizer<br>thermistance ventilateur<br>vanne à trois voies freecooling<br>vanne à trois voies de santé<br>vanne inversion de cycle<br>électrovalve interception de liquide<br>Vanne modulante à deux voles<br>Modulation de la santé valve<br>Vanne de zone de mélange 1<br>électrovalve injection de liquide<br>électrovalve economizer | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elektr. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pumpe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank Widerstände<br>winterregelung<br>entfeuchters<br>anlasser<br>Sicherung<br>Funkentstörung<br>Hauptschalter<br>phasen vom Stromversorgung<br>klemmen<br>braun<br>startsteuerung klemmen<br>Geothermie pumpe<br>primär pumpe<br>pumpe im Wassertank<br>klemmen der gouverneur cut-phase<br>signal klemmen<br>schalter für Zubehör<br>schalter für pumpe<br>motorschuttschalter kompressor<br>Heizvorrichtung schalter<br>neutral vom Stromversorgung<br>schwarz<br>erdungskontakt<br>druckdifferenzschalter<br>druckdifferenzschalter<br>relay pumpe in zone 1<br>remote panel<br>relais<br>hockdruckrelais<br>kubelwannenheizung<br>kompressor relais<br>relais phasenreihenfolge<br>einfrierverhütend Widerstände<br>antifreeze recovery<br>pumpe relais<br>heizvorrichtung<br>economizer relais<br>tropfschale Widerstände<br>zweite set<br>sicherheit spannungreiche<br>zeit relais<br>Druckgas Thermostat<br>Transformator<br>drucktransmitter<br>thermischer mechanische<br>einfrierverhütend Widerstände thermischer<br>sicherheit heizvorrichtung thermischer<br>thermischer economizer<br>thermistor gebläse<br>dreizegeventil freecooling<br>dreizegeventil gesundheit<br>umkehrventil<br>liquid abfangen magnetventil<br>Modulierendes Zwei-Wege-Ventil<br>RegelVentil gesundheit<br>nischer-Ventil zone 1<br>elektroventil injection vom flüssigen<br>elektroventil economizer |    |    |    |    |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                        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|     |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
|-----|---------------------|-----------------|----------|-------|----------------------------------------------------|---------------|-------------|---------------|------------|---------|--------------------------------------------------|------------------|-------------|---------|------------|----|----------------|
|     | 00                  | 01              | 02       | 03    | 04                                                 | 05            | 06          | 07            | 08         | 09      | 10                                               | 11               | 12          | 13      | 14         | 15 |                |
| A   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| B   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| C   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| D   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| E   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| F   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| G   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| H   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| I   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| J   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   |       | QUADRO EL. POMPA TRIFASE WRL - 2E00930()           |               |             |               | TABLEAU    |         | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00930() |                  |             |         | FOGLIO     | 4A | PAGE           |
|     |                     |                 | BOARD    |       | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00930() |               |             |               | SCHALTAFEL |         | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00930()   |                  |             |         | SEQUE      |    | SUITE          |
|     |                     |                 | DATA     | DATE  | AGGIORNATO                                         | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.   | PROJECT | DICHIARAZIONE N°                                 | DÉCLARATION      | COMMESSA    | TRAVAIL | NEXT PAGE  |    | METER          |
|     |                     |                 | DATE     | DATUM | UPDATING                                           | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.   | BILD    | DECLARATION NR.                                  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | TOT. FOGLI |    | TOTAL FEUILLES |
|     |                     |                 | 27/09/10 |       |                                                    |               | P.E.        |               | 10-409     |         | XXXX                                             |                  | 1100        |         | 38         |    | BLÄTTER GESAMT |

IN ALTERNATIVA  
alternative  
alternative  
alternative

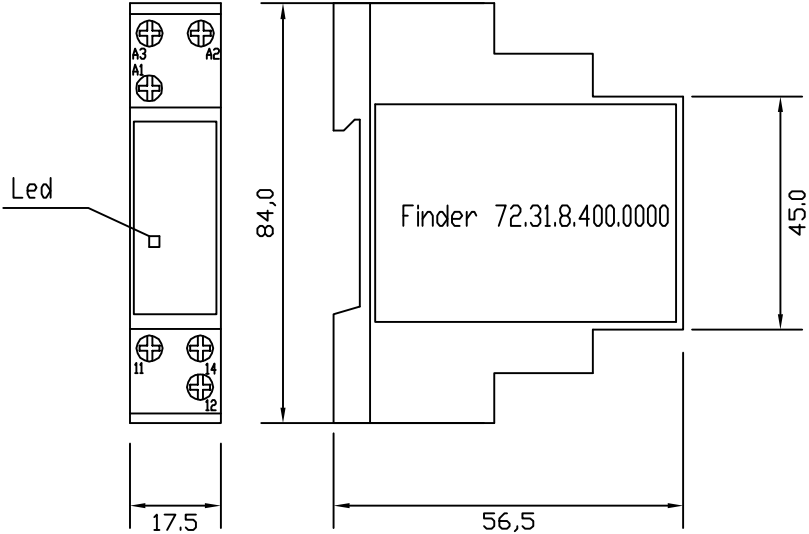
Gavazzi DPA51CM44  
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L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



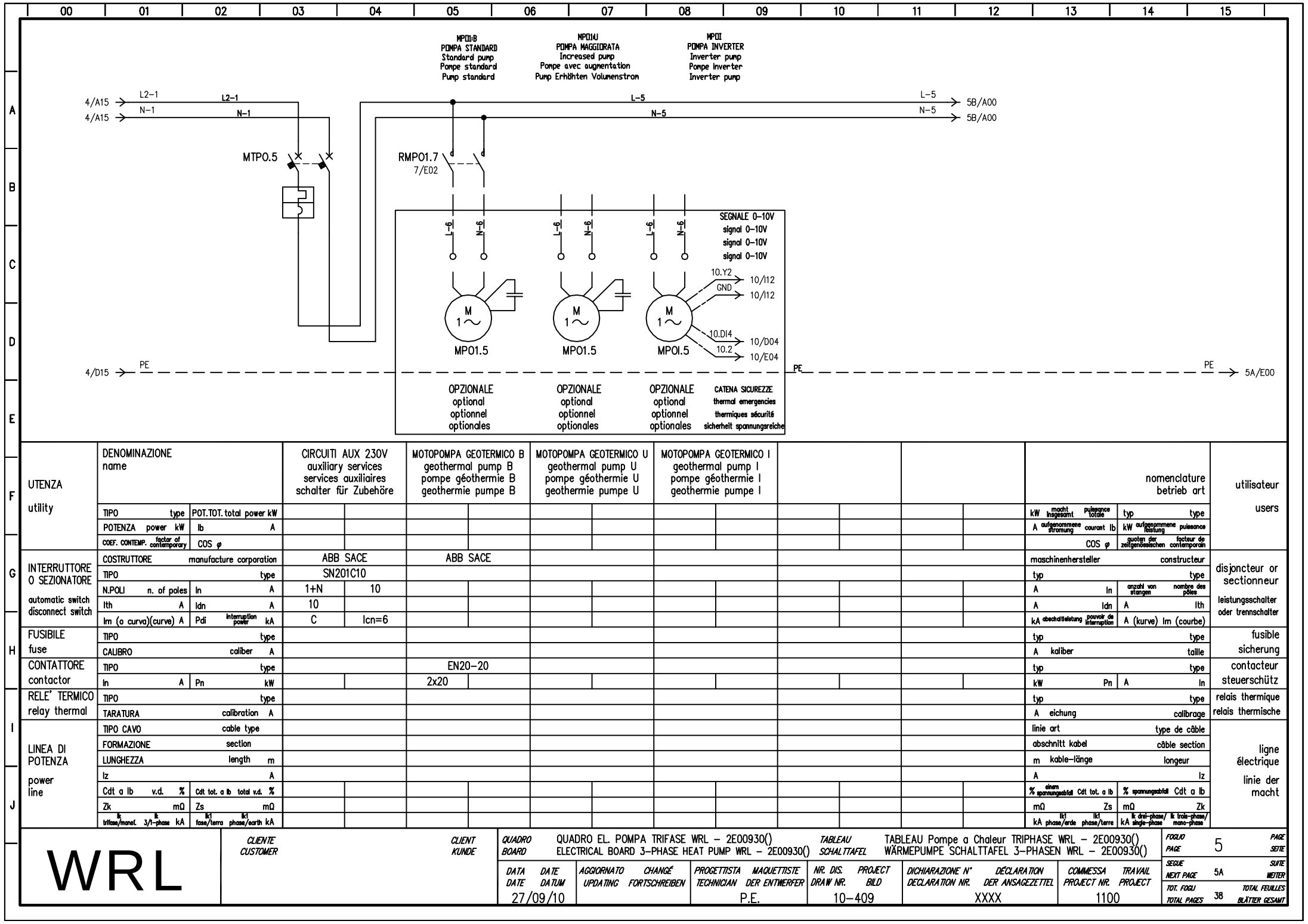
RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

IN ALTERNATIVA  
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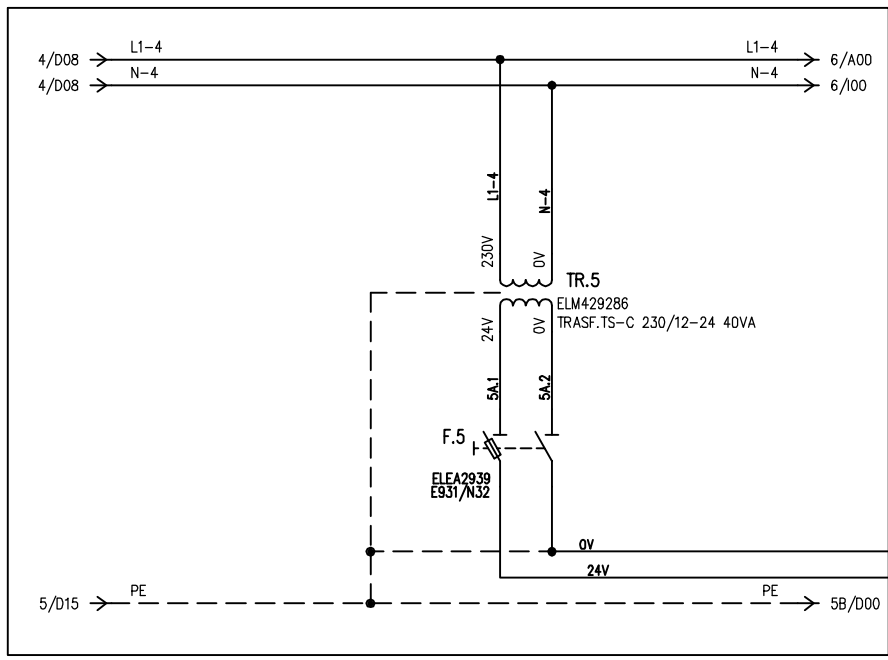
Finder 72.31.8.400.0000  
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A2 = L2  
A3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



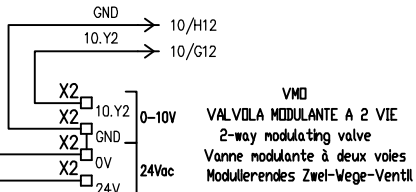
RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais



A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |                          | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |    |            |             |    |  |  |  | nomenclature<br>betrieb art |                                                | utilisateur                      |                            |                                                                              |                            |                                               |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------|----|------------|-------------|----|--|--|--|-----------------------------|------------------------------------------------|----------------------------------|----------------------------|------------------------------------------------------------------------------|----------------------------|-----------------------------------------------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |                          |                                                                                    |    |            |             |    |  |  |  | kW                          | macht<br>insgesamt                             | pulsance<br>totale               | typ                        | type                                                                         |                            |                                               |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |                          |                                                                                    |    |            |             |    |  |  |  | A                           | aufgenommene<br>stromung                       | courant lb                       | kW                         | aufgenommene<br>leistung                                                     |                            |                                               |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |                          |                                                                                    |    |            |             |    |  |  |  |                             | COS φ                                          | guoten der<br>zeitgleichzeitigen | facteur de<br>contemporain |                                                                              |                            |                                               |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |                          |                                                                                    |    |            |             |    |  |  |  | maschinenhersteller         |                                                | constructeur                     |                            | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |                            |                                               |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |                          |                                                                                    |    |            |             |    |  |  |  | typ                         |                                                | type                             |                            |                                                                              |                            |                                               |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N                      |                                                                                    |    |            |             |    |  |  |  | A                           | In                                             | anzahl von<br>strangen           | nombre des<br>pôles        |                                                                              |                            |                                               |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |                          |                                                                                    |    |            |             |    |  |  |  | A                           | Idn                                            | A                                | Ith                        |                                                                              |                            |                                               |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA                       |                                                                                    |    |            |             |    |  |  |  | kA                          | abschaltleistung<br>pouvoir de<br>interruption | A (kurve) Im (courbe)            |                            | fusible<br>sicherung                                                         |                            |                                               |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |                          |                                                                                    |    |            |             |    |  |  |  | typ                         |                                                | type                             |                            |                                                                              |                            |                                               |
| CONTATTORE<br>contactor                                                    | CALIBRO                                | caliber                   |                         | A                                                                                       |                          | 2A gL                                                                              |    |            |             |    |  |  |  | A                           |                                                | kaliber                          |                            | taille                                                                       | contacteur<br>steuerschütz |                                               |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |                          |                                                                                    |    |            |             |    |  |  |  | typ                         |                                                | type                             |                            |                                                                              |                            |                                               |
| RELE' TERMICO<br>relay thermal                                             | In                                     | A                         | Pn                      | kW                                                                                      |                          |                                                                                    |    |            |             |    |  |  |  | kW                          | Pn                                             | A                                | In                         | relais thermique<br>relais thermische                                        |                            |                                               |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |                          |                                                                                    |    |            |             |    |  |  |  | typ                         |                                                | type                             |                            |                                                                              |                            |                                               |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TARATURA<br>calibration                |                           |                         | A                                                                                       |                          |                                                                                    |    |            |             |    |  |  |  | A                           |                                                | eichung                          |                            | calibrage                                                                    |                            | ligne<br>électrique<br><br>linie der<br>macht |
|                                                                            | TIPO CAVO<br>cable type                |                           |                         |                                                                                         |                          |                                                                                    |    |            |             |    |  |  |  | linie art                   |                                                | type de câble                    |                            |                                                                              |                            |                                               |
|                                                                            | FORMAZIONE<br>section                  |                           |                         |                                                                                         |                          |                                                                                    |    |            |             |    |  |  |  | abschnitt kabel             |                                                | câble section                    |                            |                                                                              |                            |                                               |
|                                                                            | LUNGHEZZA<br>length                    |                           |                         | m                                                                                       |                          |                                                                                    |    |            |             |    |  |  |  | m                           |                                                | kable-länge                      |                            | longeur                                                                      |                            |                                               |
|                                                                            | Iz                                     |                           |                         | A                                                                                       |                          |                                                                                    |    |            |             |    |  |  |  | A                           |                                                |                                  |                            | Iz                                                                           |                            |                                               |
|                                                                            | Cdt a lb                               |                           | v.d.                    | %                                                                                       | Cdt tot. a lb total v.d. |                                                                                    | %  |            |             |    |  |  |  | %                           | sham<br>spannungsbild                          | Cdt tot. a lb                    | %                          | spannungsbild                                                                | Cdt a lb                   |                                               |
|                                                                            | Zk                                     |                           | mQ                      |                                                                                         | Zs                       |                                                                                    | mQ |            |             |    |  |  |  |                             | mQ                                             | Zs                               | mQ                         | Zk                                                                           |                            |                                               |
|                                                                            | Ik                                     |                           | trifase/monof.          | 3/1-phase                                                                               | kA                       | Ik                                                                                 |    | fase/terra | phase/earth | kA |  |  |  |                             | Ik                                             |                                  | trifase/monof.             | 3/1-phase                                                                    | kA                         |                                               |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00930()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00930()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00930()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00930()

FOLIO  
PAGE

5A

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

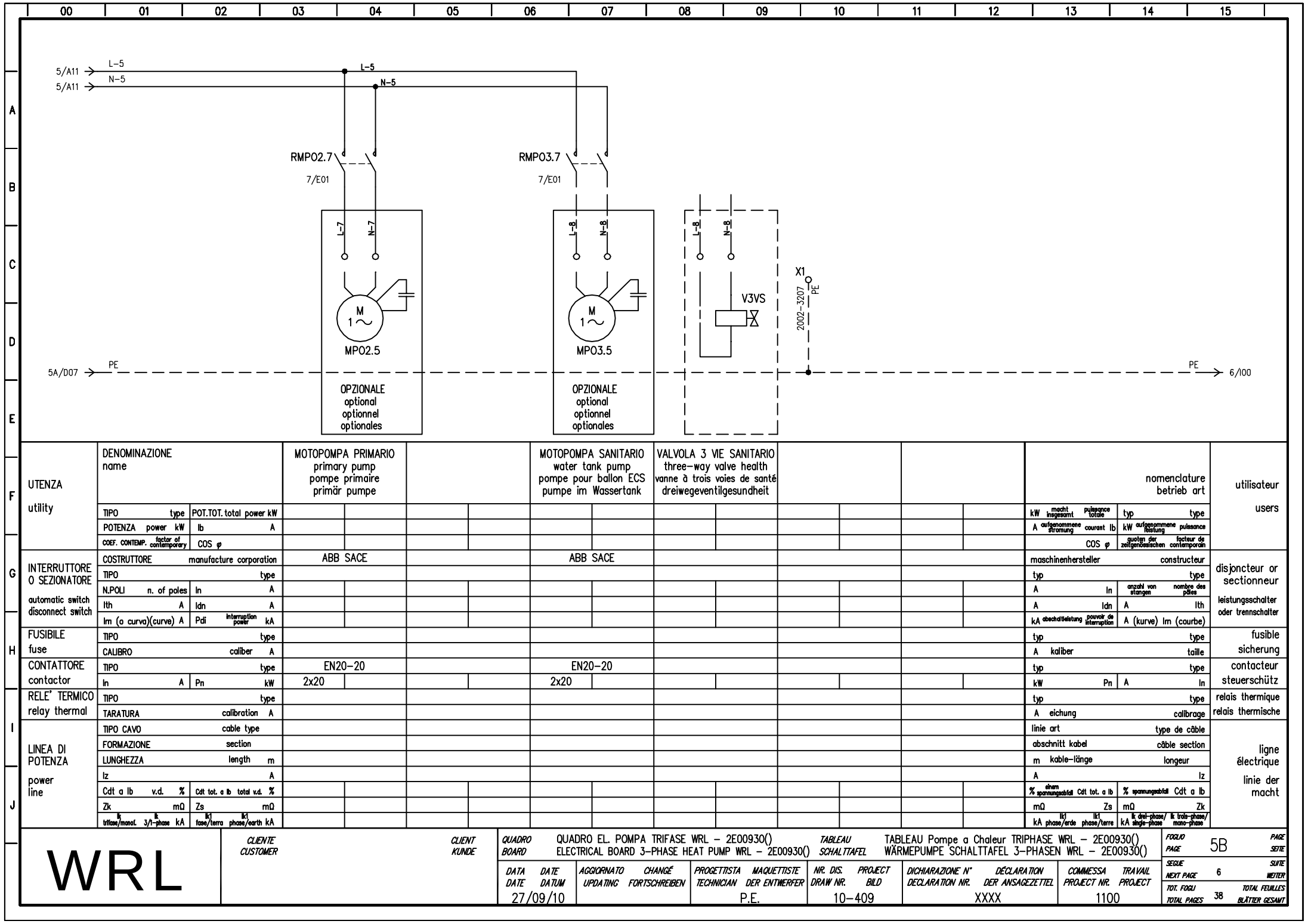
NR. DIS. PROJECT  
DRAW NR. BILD  
10-409

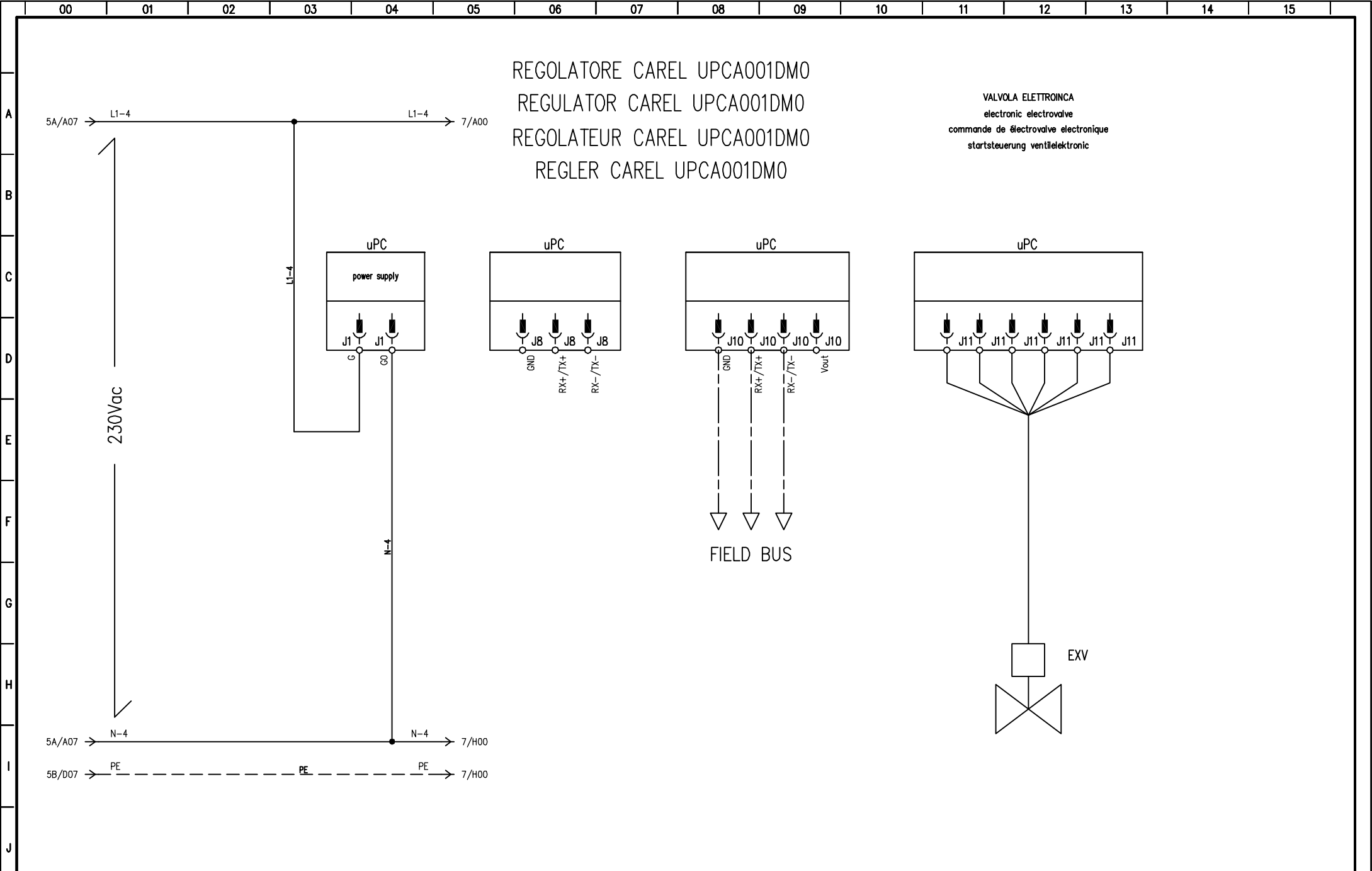
DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT PROJECT  
1100

SEQUE NEXT PAGE 5B  
TOT. FOLII TOTAL FEUILLES  
TOTAL PAGES 38 BLATTIER GESAMT





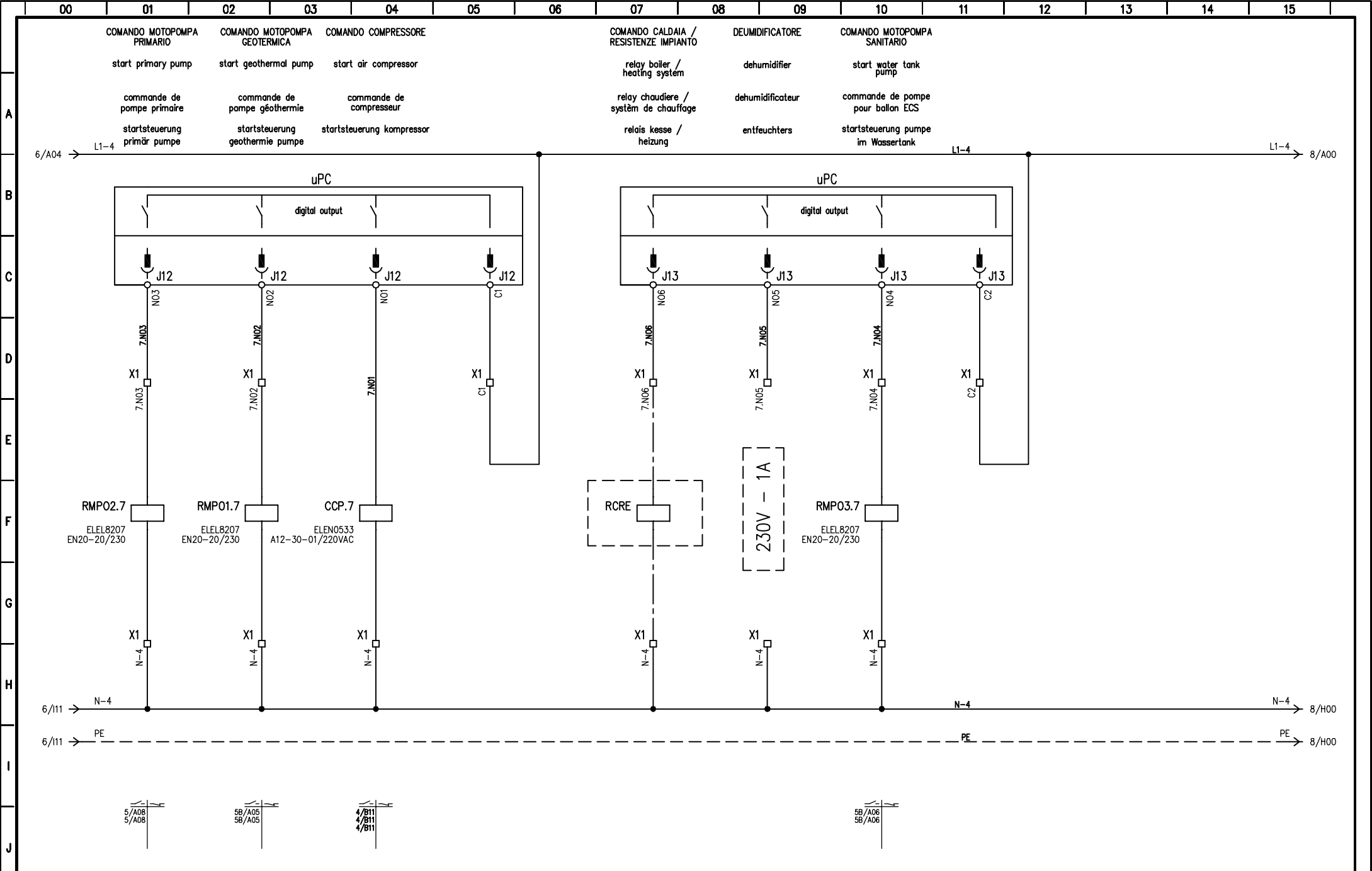


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |          |                 |            |                                                    |             |               |            |                                                  |                  |                  |             |         |             |       |                |
|---------------------|----------|-----------------|------------|----------------------------------------------------|-------------|---------------|------------|--------------------------------------------------|------------------|------------------|-------------|---------|-------------|-------|----------------|
| CLIENTE<br>CUSTOMER |          | CLIENT<br>KUNDE | QUADRO     | QUADRO EL. POMPA TRIFASE WRL – 2E00930()           |             |               | TABLEAU    | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00930() |                  |                  | Foglio      | 6       | PAGE        |       |                |
|                     |          |                 | BOARD      | ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00930() |             |               | SCHALTAFEL | WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00930()   |                  |                  | PAGE        |         | SEITE       |       |                |
|                     | DATA     | DATE            | AGGIORNATO | CHANGÉ                                             | PROGETTISTA | MAQUETTISTE   | NR. DIS.   | PROJECT                                          | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL | SEGUE       | SUITE |                |
|                     | DATE     | DATUM           | UPDATING   | FORTSCHREIBEN                                      | TECHNICIAN  | DER ENTWERFER | DRAW NR.   | BILD                                             | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | NEXT PAGE   | 7     | METTER         |
|                     | 27/09/10 |                 |            |                                                    |             | P.E.          | 10–409     |                                                  | XXXX             |                  | 1100        |         | TOT. FOGLI  | 38    | TOTAL FEUILLES |
|                     |          |                 |            |                                                    |             |               |            |                                                  |                  |                  |             |         | TOTAL PAGES |       | BLÄTTER GESAMT |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00930()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00930()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00930()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00930()

FOLIO  
PAGE 7

PAGE  
SEITE

DATA  
DATE 27/09/10

AGGIORNATO  
UPDATING  
CHANGE  
FORTSCHREIBEN  
PROGETTISTA  
TECHNICIAN  
MAQUETTISTE  
DER ENTWERFER  
P.E.

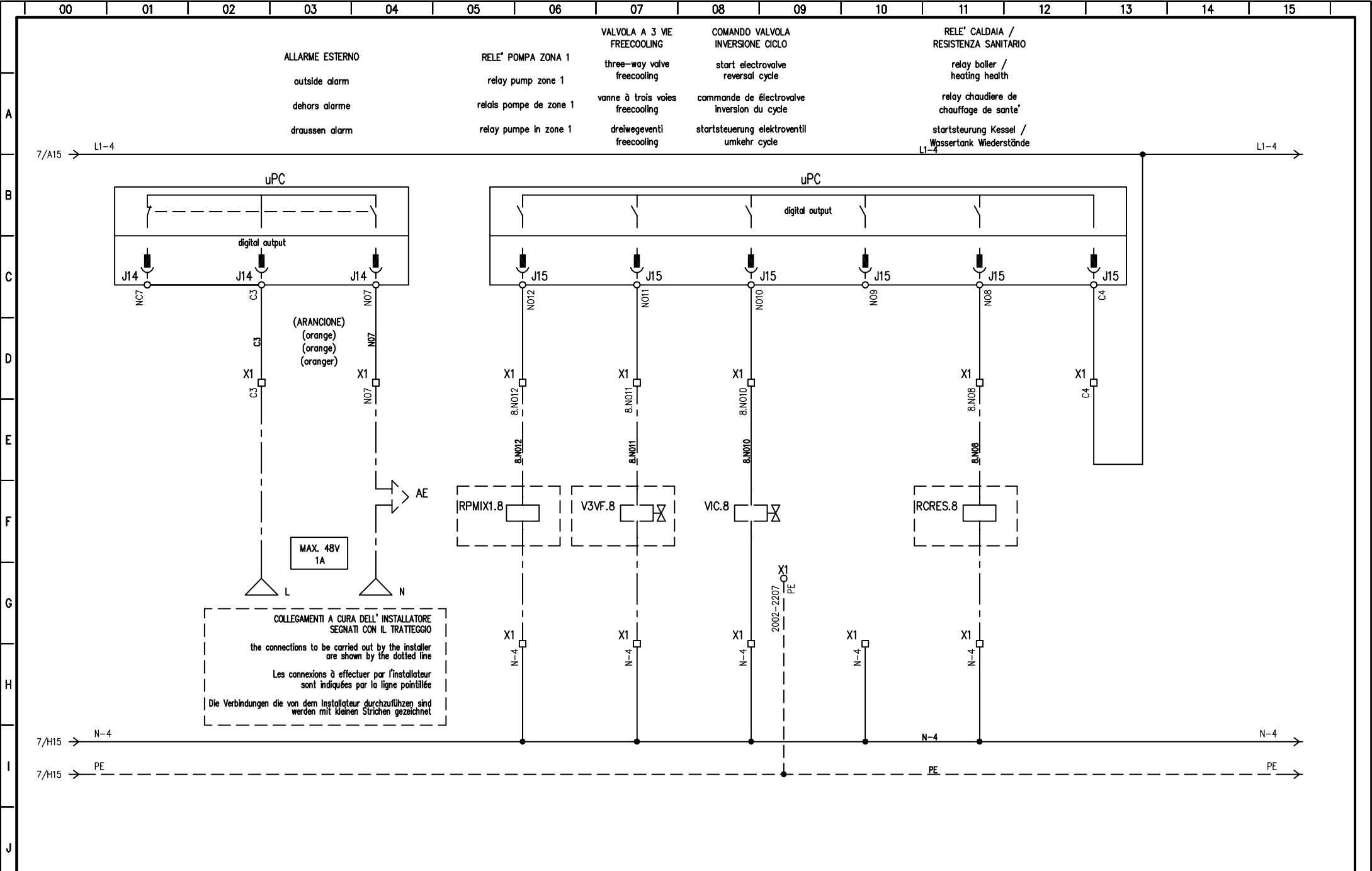
NR. DIS.  
DRAW NR. 10-409

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR. XXXX

COMMESSA  
PROJECT NR. 1100

TRAVAIL  
PROJECT  
TOT. FOGLI  
TOTAL PAGES 38  
TOTAL FEUILLES  
BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00930()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00930()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00930()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00930()

FOLIO  
PAGE

8

PAGE  
SEITE

DATA  
DATE

DATE  
DATUM

AGGIORNATO  
DATE

CHANGÉ  
DATUM

PROGETTISTA  
DATE

MAQUETTISTE  
DATUM

NR. DIS.  
DATE

PROJECT  
DATUM

DICHIARAZIONE N°  
DATE

DÉCLARATION  
DATE

COMMESSA  
DATE

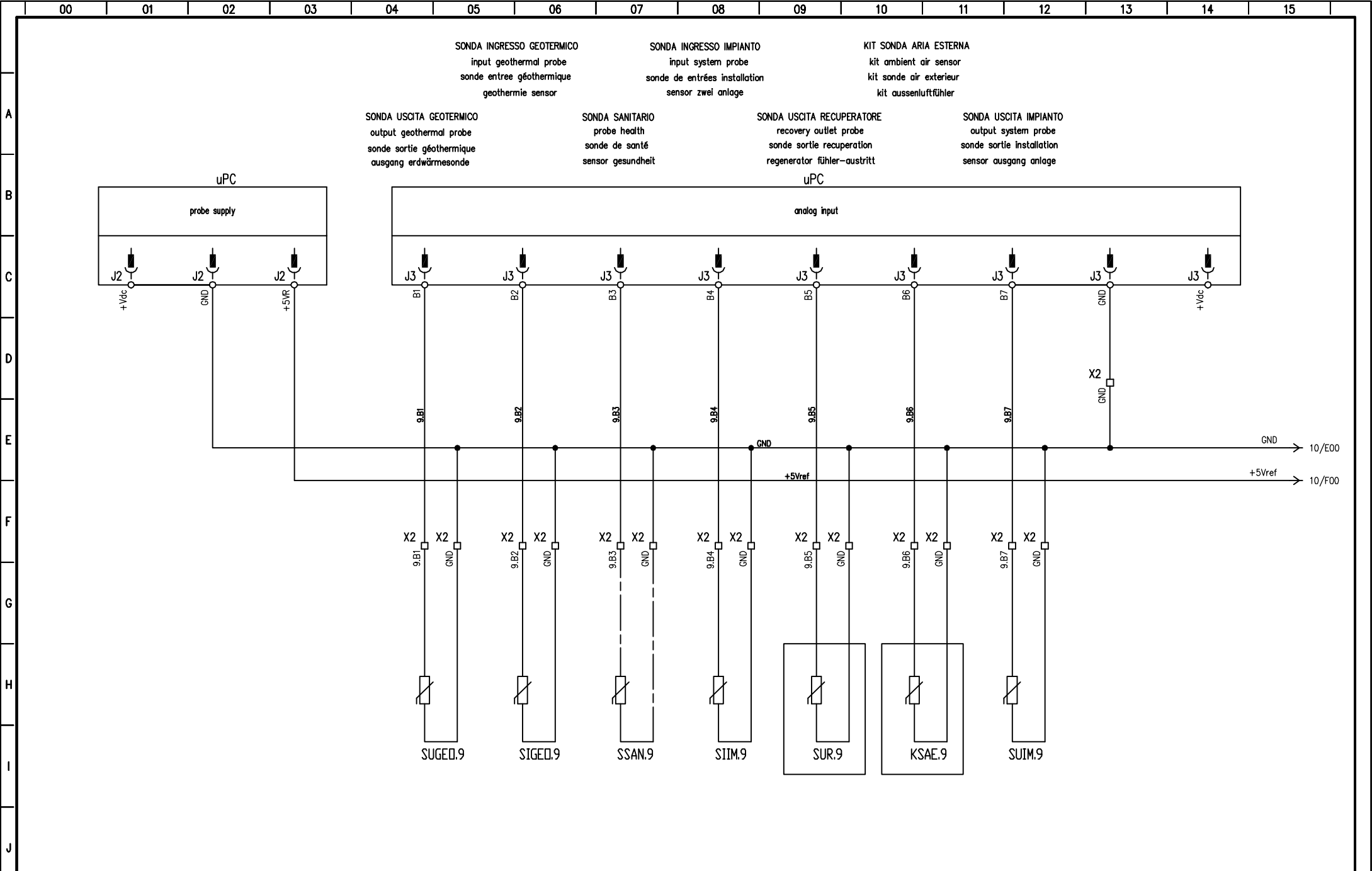
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DATE

TOT. FOLII  
DATE

38

TOTAL FEUILLES  
DATE

BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00930()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00930()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00930()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00930()

FOGLIO  
PAGE

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SEITE

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DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

NR. DIS. PROJECT  
DRAW NR. BILD  
10-409

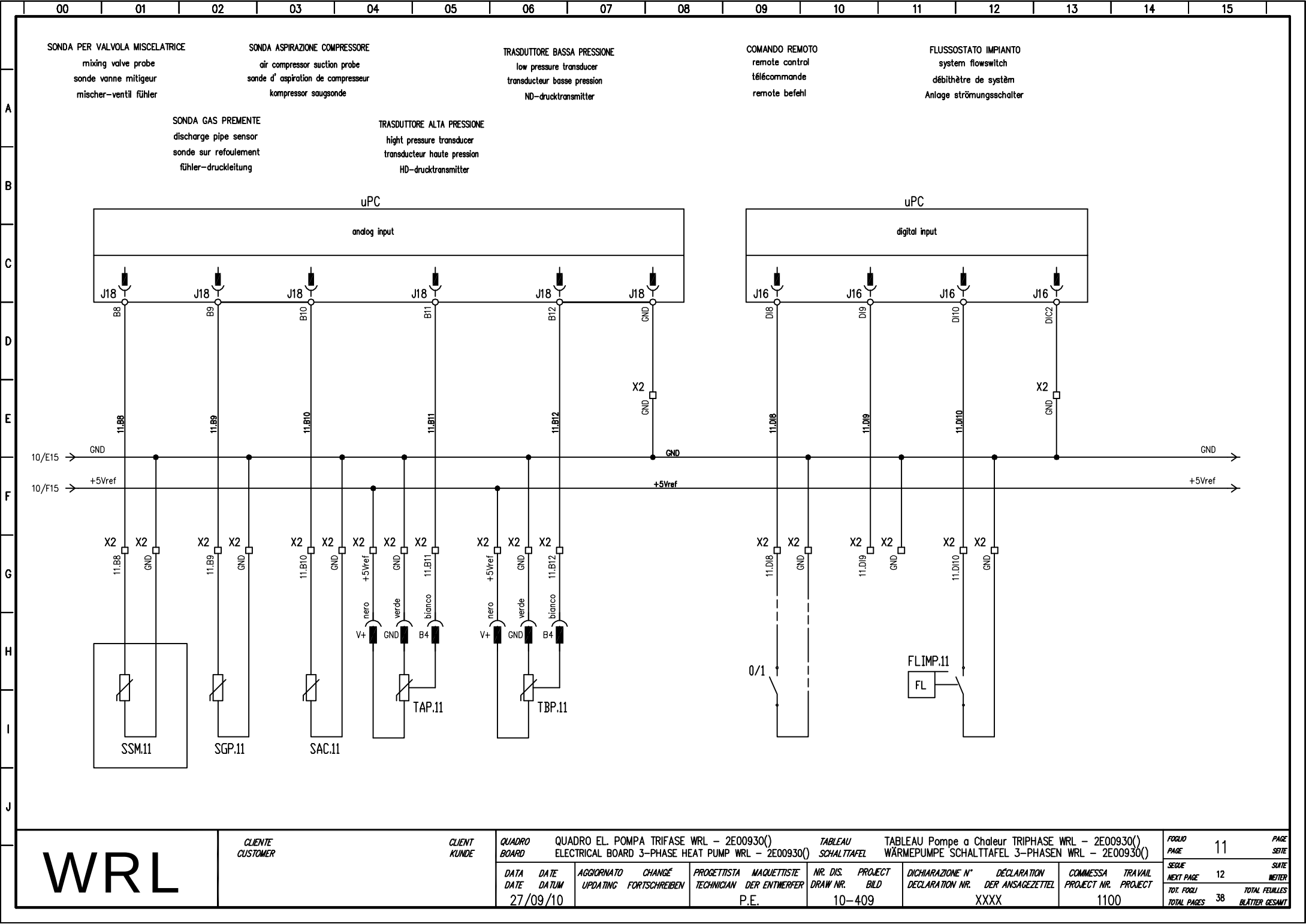
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DECLARATION NR. DER ANSAGEZETTEL  
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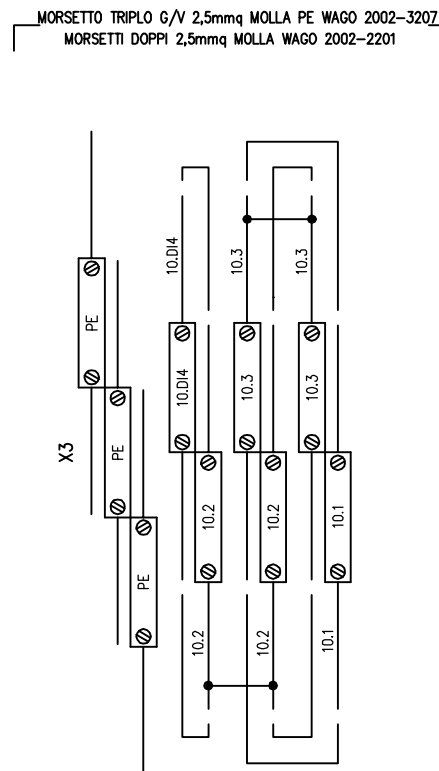
COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE 10  
TOT. FOGLI  
TOTAL PAGES 38

SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT



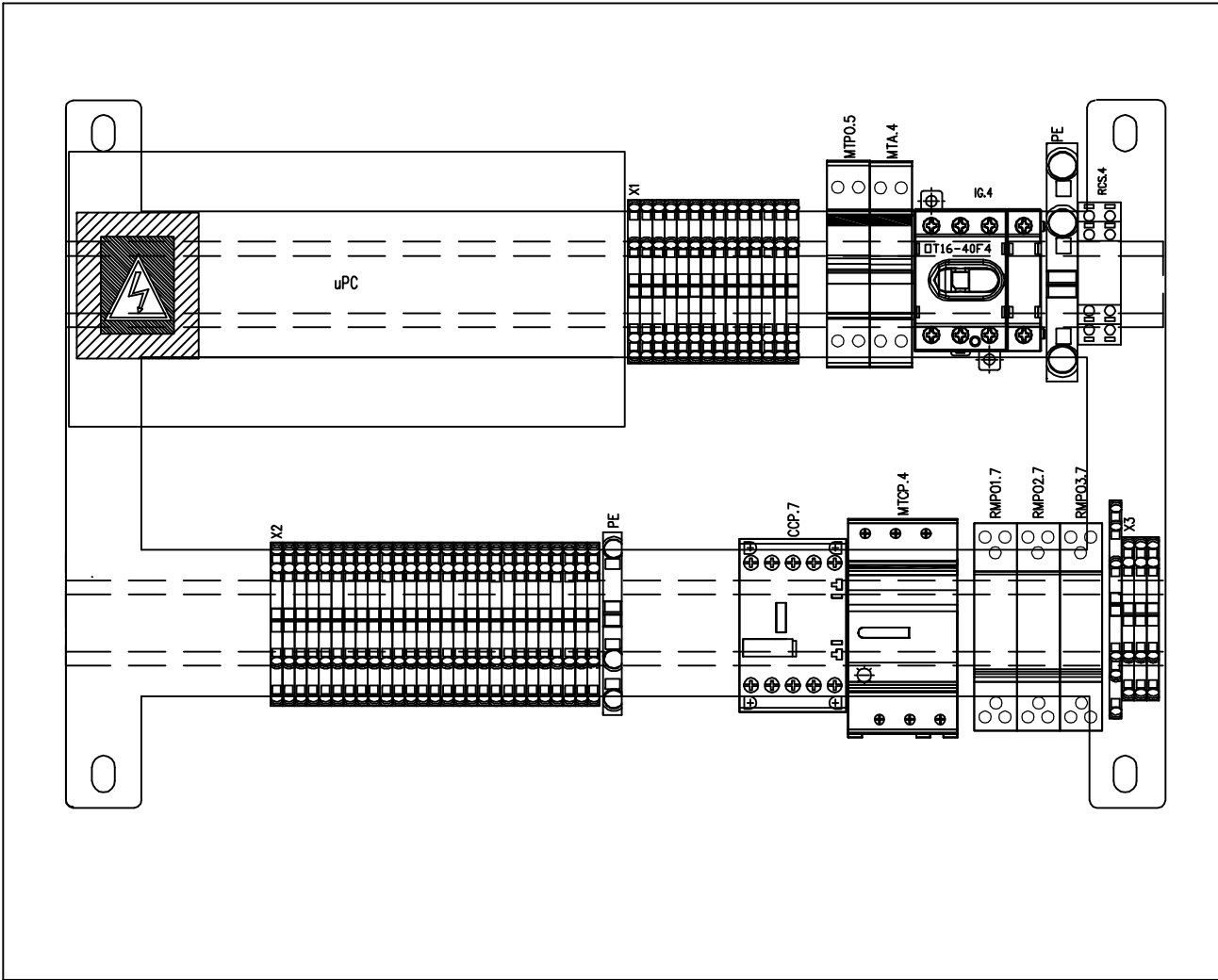








VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                    |                                                                                                |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                           | TECHNICAL DATA BOX                                                                             |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /  | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                         | DIMENSION                                                                                      |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                 | height: 350<br>Width: 500<br>Deep: 160                                                         |
| NOTE                                                                                               | NOTES                                                                                          |
| DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                               |
| Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: /       |
| DIMENSION                                                                                          | ABMESSUNGEN                                                                                    |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                    | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                          |
| NOTE                                                                                               | BEMERKUNGEN                                                                                    |

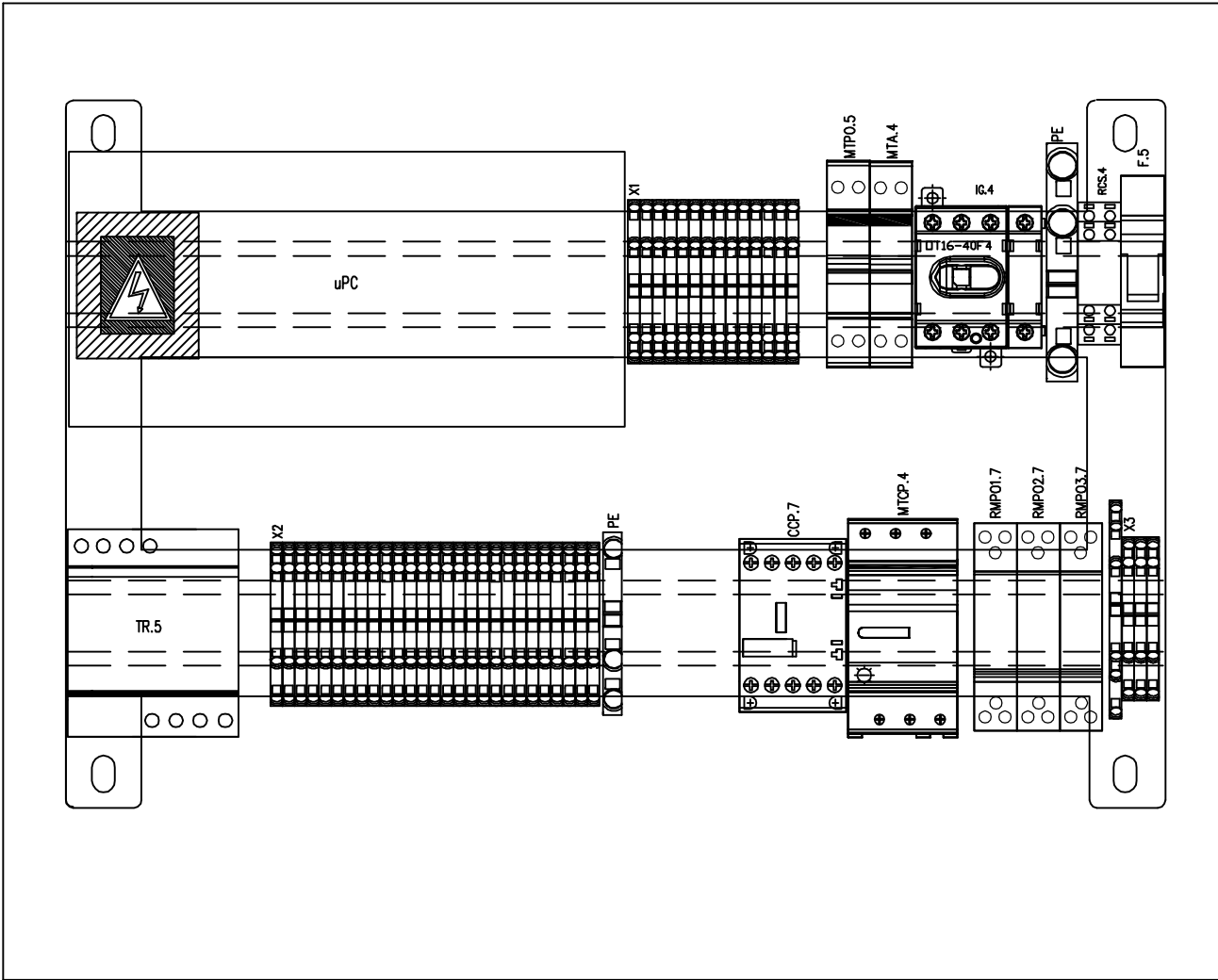
☐ QUADRO DI SERIE

☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



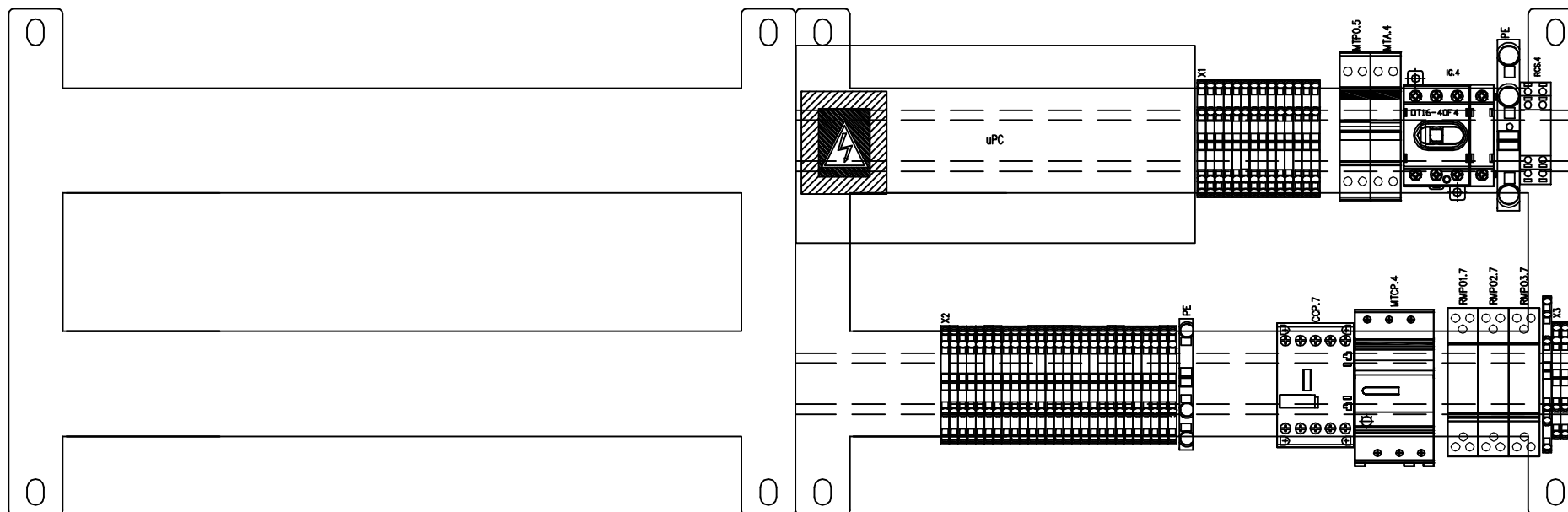
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| <b>DATI TECNICI CARPENTERIA</b><br><br>Marca: –<br>Colore: –<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /    | <b>TECHNICAL DATA BOX</b><br><br>Mark: –<br>Color: –<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /      |
| <b>DIMENSIONI</b><br><br>Altezza: 350<br>Larghezza: 500<br>Profondità: 160                                                                  | <b>DIMENSION</b><br><br>height: 350<br>Width: 500<br>Deep: 160                                                                       |
| <b>NOTE</b>                                                                                                                                 | <b>NOTES</b>                                                                                                                         |
| <b>DONNÉES TECHNIQUES<br/>TABLEAU</b><br>Marque: –<br>Couleur: –<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | <b>TECHNISCHEN DATEN<br/>DES RAHMENS</b><br>Marke: –<br>Farbe: –<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| <b>DIMENSION</b><br><br>Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                     | <b>ABMESSUNGEN</b><br><br>Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                      |
| <b>NOTE</b>                                                                                                                                 | <b>BEMERKUNGEN</b>                                                                                                                   |

☒ VERSIONE CON VALVOLA MODULANTE A 2 VIE  
☒ Version with 2-way modulating valve

☒ Version avec Vanne modulante à deux voies  
☒ Version mit Modulierendes Zwei-Wege-Ventil

WRL

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



# WRL

**SUITE**  
**WEITER**

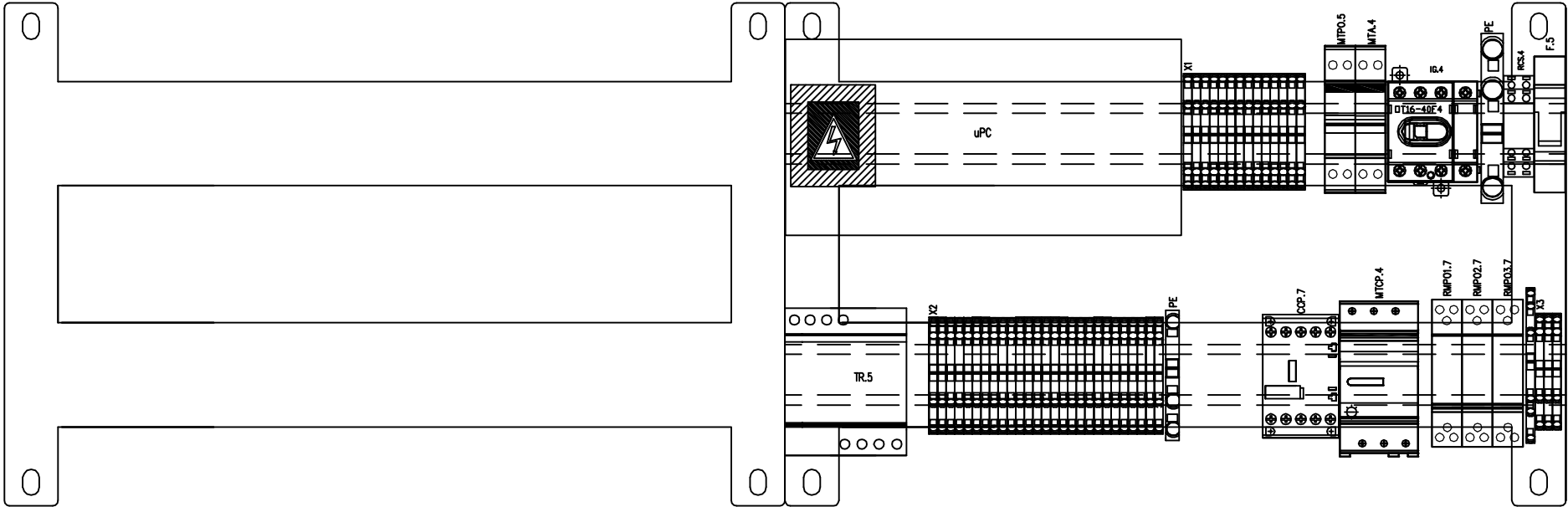
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**TOTAL FEUILLES**  
**BLÄTTER GESAMT**

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

|                                                                                                   |                                                                                                |                                                                                                    |                                                                                          |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                          | TECHNICAL DATA BOX                                                                             | DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                         |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                        | DIMENSION                                                                                      | DIMENSION                                                                                          | ABMESSUNGEN                                                                              |
| Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                | height: 350<br>Width: 1040<br>Deep: 160                                                        | Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                   | Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                   |
| NOTE                                                                                              | NOTES                                                                                          | NOTE                                                                                               | BEMERKUNGEN                                                                              |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



**E** VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE  
**E** Version with Storage + 2-way modulating valve

**E** Version avec Stockage + Vanne modulante à deux voies  
**E** Version mit Lagerung + Modulierendes Zwei-Wege-Ventil

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00930()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00930()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00930()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00930()

FOGLIO  
PAGE

14C

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-409

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEGUE NEXT PAGE 14D  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 38 BLÄTTER GESAMT



|             |     |                |
|-------------|-----|----------------|
| SEQUE       | 14E | SUITE          |
| NEXT PAGE   |     | WEITER         |
| TOT. FOGLI  | 38  | TOTAL FEUILLES |
| TOTAL PAGES |     | BLÄTTER GESAMT |

|                                                       |            |           |        |
|-------------------------------------------------------|------------|-----------|--------|
| POMPA TRIFASE                                         |            |           | WRL040 |
| Quadro elettrico                                      |            | REV       |        |
| cod.                                                  | 2E00931    | 1         |        |
| cod.                                                  | 2E00931A   | 1         | A      |
| cod.                                                  | 2E00931M   | 1         | M      |
| cod.                                                  | 2E00931E   | 1         | E      |
|                                                       |            |           |        |
| rif.                                                  | 2E00787B_2 | 2E00857_3 |        |
| lotto                                                 | nr.: XXXX  |           |        |
| VERS.                                                 |            |           |        |
| SI SOFTSTARTER – NO MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |        |

|                                     |                                        |                                     |                                     |                                     |                                           |                                     |                                            |
|-------------------------------------|----------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------|--------------------------------------------|
| <input type="checkbox"/>            | QUADRO DI SERIE                        | <input type="checkbox"/>            | Standard Board                      | <input type="checkbox"/>            | Tableau standard                          | <input type="checkbox"/>            | serienmäßig schalttafel                    |
| <input checked="" type="checkbox"/> | VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> | Version with Storage                | <input checked="" type="checkbox"/> | Version avec Stockage                     | <input checked="" type="checkbox"/> | Version mit Lagerung                       |
| <input checked="" type="checkbox"/> | VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> | Version with 2-way modulating valve | <input checked="" type="checkbox"/> | Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> | Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> | A + M                                  | <input checked="" type="checkbox"/> | A + M                               | <input checked="" type="checkbox"/> | A + M                                     | <input checked="" type="checkbox"/> | A + M                                      |

|                        |  |                     |  |                      |                |
|------------------------|--|---------------------|--|----------------------|----------------|
| WRL                    |  |                     |  |                      |                |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |                |
| COD. ARTICOLO          |  | Article Code        |  | 2E00931O_01 03/03/11 |                |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE – 50 Hz 400V  |                |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V                    | 400 Hz 50      |
| POMPA DI CALORE WRL040 |  | Heat Pump WRL040    |  | A Max                | 7,4            |
|                        |  |                     |  |                      |                |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP                   | 2x             |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 | CEI EN 60335-1 |

|                        |  |                     |  |                      |                |
|------------------------|--|---------------------|--|----------------------|----------------|
| WRL                    |  |                     |  |                      |                |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |                |
| Code Article           |  | Artikelcode         |  | 2E00931O_01 03/03/11 |                |
| Alimentation           |  | Stromversorgung     |  | 3/N/PE – 50 Hz 400V  |                |
| Tension Nominale       |  | Nennspannung        |  | V                    | 400 Hz 50      |
| Pompe a Chaleur WRL040 |  | Wärmepumpe WRL040   |  | A Max                | 7,4            |
|                        |  |                     |  |                      |                |
| Degré de protection    |  | Schutzgrad          |  | IP                   | 2x             |
| Note                   |  | Anmerkungen:        |  | XXXX                 | CEI EN 60335-1 |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉES    |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMEN  | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|---------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD                 |
|                                                                                                                                                      |                 | 10-411                       |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                                                                                                                                                      |                 | 27/09/10                     |                                 |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00931                      | TABLEAU<br>SCHALTAFEL           |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT              |
|                                                                                                                                                      |                 | 1100                         |                                 |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER    |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION | DÉCLARATION<br>DER ANSAGEZETTEL |
|                                                                                                                                                      |                 | XXXX                         |                                 |

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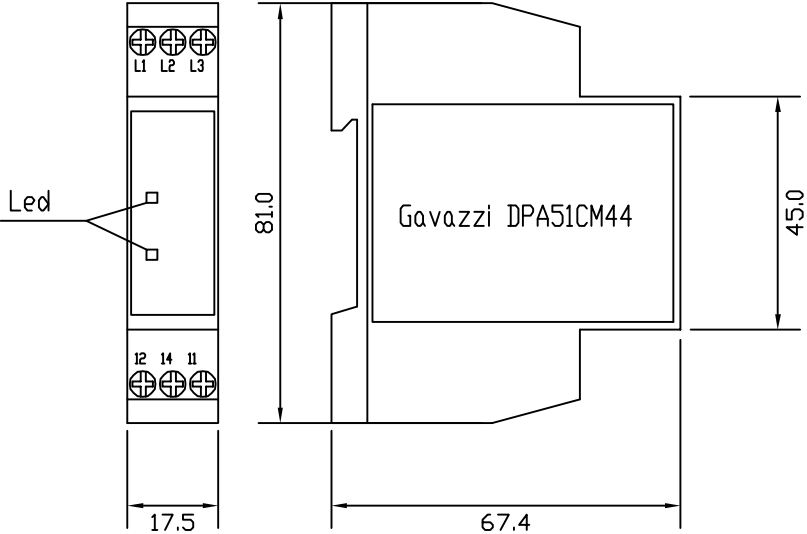






IN ALTERNATIVA  
alternative  
alternative  
alternative

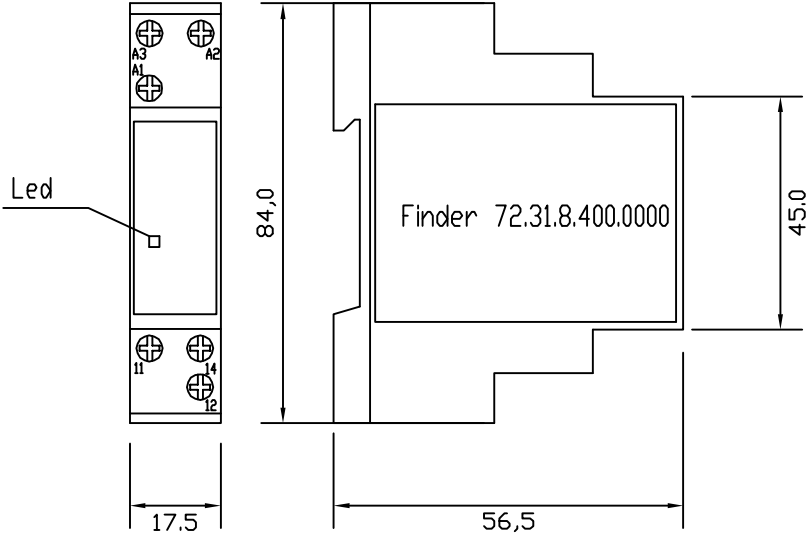
Gavazzi DPA51CM44  
L1 = L1  
L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

IN ALTERNATIVA  
alternative  
alternative  
alternative

Finder 72.31.8.400.0000  
A1 = L1  
A2 = L2  
A3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00931()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00931()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00931()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00931()

FOGLIO  
PAGE

4B

PAGE  
SEITE

DATA  
DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

SEQU  
NEXT PAGE

5

SUITE  
METER

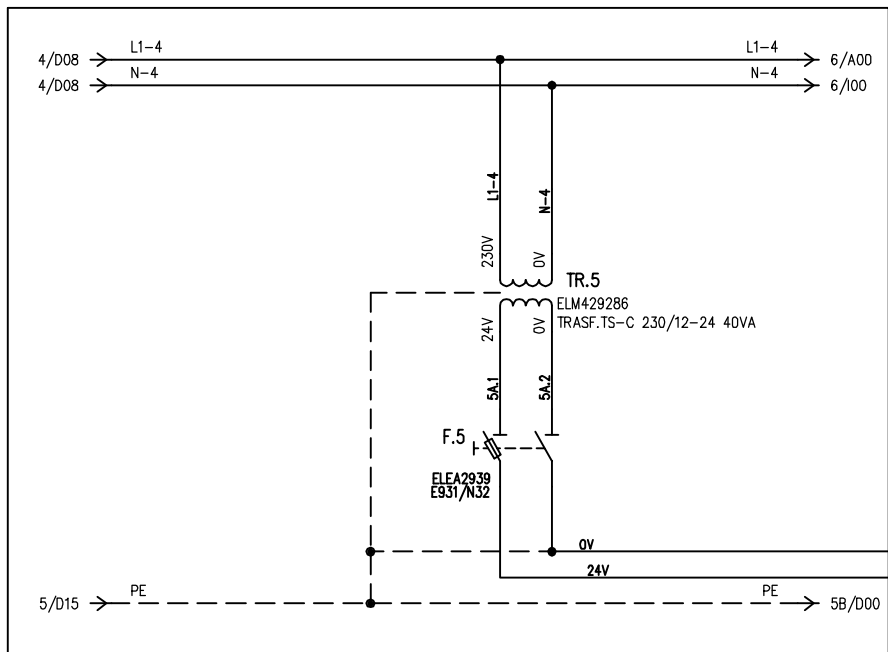
TOT. FOGLI  
TOTAL PAGES

38

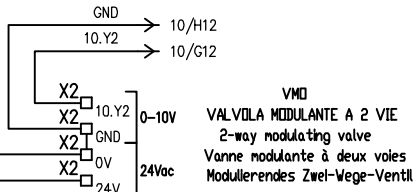
TOTAL FEUILLES  
BLATTIER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|--------------------------------------------------|------------------|------------------|-------------|-------------|---------|----------------|----|-------|
|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08                                               | 09               | 10               | 11          | 12          | 13      | 14             | 15 |       |
| A   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| B   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| C   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| D   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| E   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| F   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| G   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| H   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| I   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| J   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL – 2E00931()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASe WRL – 2E00931() |                  |                  |             | FOGLIO      | 5       | PAGE           |    |       |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00931() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00931()   |                  |                  |             | PAGE        |         | SETTE          |    |       |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.                                         | PROJECT          | DICHIARAZIONE N° | DÉCLARATION | COMMESSA    | TRAVAIL | SEQUE          |    | SUITE |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DECLARATION NR.                                  | DER ANSAGEZETTEL | PROJECT NR.      | PROJECT     | NEXT PAGE   | 5A      | METER          |    |       |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10–411                                           | XXXX             | 1100             |             | TOT. FOGLI  | 38      | TOTAL FEUILLES |    |       |
|     |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             | TOTAL PAGES |         | BLÄTTER GESAMT |    |       |

A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |            | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |             |    |  |  |  |  |  | nomenclature<br>betrieb art         |                                                 | utilisateur              |                                            |                            |      |                           |    |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|-------------|----|--|--|--|--|--|-------------------------------------|-------------------------------------------------|--------------------------|--------------------------------------------|----------------------------|------|---------------------------|----|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  |                                     | kW                                              | macht<br>Insgesamt       | puissance<br>totale                        | typ                        | type |                           |    |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |            |                                                                                    |             |    |  |  |  |  |  |                                     | A                                               | aufgenommene<br>Strömung | courant lb<br>kW aufgenommene<br>leistung  | typ                        | type |                           |    |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  |                                     |                                                 | COS φ                    | quoten der<br>zeitgleichzeitigen<br>lasten | facteur de<br>contemporain |      |                           |    |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |            |                                                                                    |             |    |  |  |  |  |  | maschinenhersteller<br>constructeur |                                                 |                          |                                            |                            |      |                           |    |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |            |                                                                                    |             |    |  |  |  |  |  | typ                                 |                                                 | type                     |                                            |                            |      |                           |    |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N        |                                                                                    |             |    |  |  |  |  |  |                                     | A                                               | In                       | anzahl von<br>strömen                      | nombre des<br>pôles        |      |                           |    |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |            |                                                                                    |             |    |  |  |  |  |  |                                     | A                                               | Idn                      | A                                          | Ith                        |      |                           |    |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA         |                                                                                    |             |    |  |  |  |  |  | kA                                  | abschaltleistung<br>pourvoir de<br>interruption | A (kurve) Im (courbe)    |                                            |                            |      |                           |    |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |            |                                                                                    |             |    |  |  |  |  |  | typ                                 |                                                 | type                     |                                            |                            |      |                           |    |
| CONTATTORE<br>contactor                                                    | CALIBRO                                | caliber                   |                         | 2A gL                                                                                   |            |                                                                                    |             |    |  |  |  |  |  | A                                   |                                                 | kaliber                  |                                            | taille                     |      |                           |    |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | typ                                 |                                                 | type                     |                                            |                            |      |                           |    |
| RELE' TERMICO<br>relay thermal                                             | In                                     | A                         | Pn                      | kW                                                                                      |            |                                                                                    |             |    |  |  |  |  |  |                                     | kW                                              | Pn                       | A                                          | In                         |      |                           |    |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | typ                                 |                                                 | type                     |                                            |                            |      |                           |    |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TARATURA<br>calibration                |                           |                         | A                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | A                                   |                                                 | eichung                  |                                            | calibrage                  |      |                           |    |
|                                                                            | TIPO CAVO<br>cable type                |                           |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | linie art                           |                                                 | type de câble            |                                            |                            |      |                           |    |
|                                                                            | FORMAZIONE<br>section                  |                           |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | abschnitt kabel                     |                                                 | câble section            |                                            |                            |      |                           |    |
|                                                                            | LUNGHEZZA<br>length                    |                           |                         | m                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | m                                   |                                                 | kable-länge              |                                            | longueur                   |      |                           |    |
|                                                                            | Iz                                     |                           |                         | A                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | A                                   |                                                 | Iz                       |                                            |                            |      |                           |    |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d. | %                                                                                  |             |    |  |  |  |  |  |                                     |                                                 | %                        | spannungsfaktor                            | Cdt tot. a lb              | %    | spannungsfaktor           |    |
|                                                                            | Zk                                     | mQ                        |                         | Zs                                                                                      | mQ         |                                                                                    |             |    |  |  |  |  |  |                                     |                                                 | mQ                       | Zs                                         | mQ                         | Zk   |                           |    |
|                                                                            | Ik                                     | trifase/monof.            | 3/1-phase               | kA                                                                                      | Ik         | fase/terra                                                                         | phase/earth | kA |  |  |  |  |  |                                     |                                                 | kA                       | phase/erde                                 | phase/terre                | Ik   | drei-phase/<br>mono-phase | Ik |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00931()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00931()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00931()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00931()

FOGLIO  
PAGE

5A

PAGE  
SEITE

DATA  
DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHRIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

1100

SEQUE  
NEXT PAGE

5B

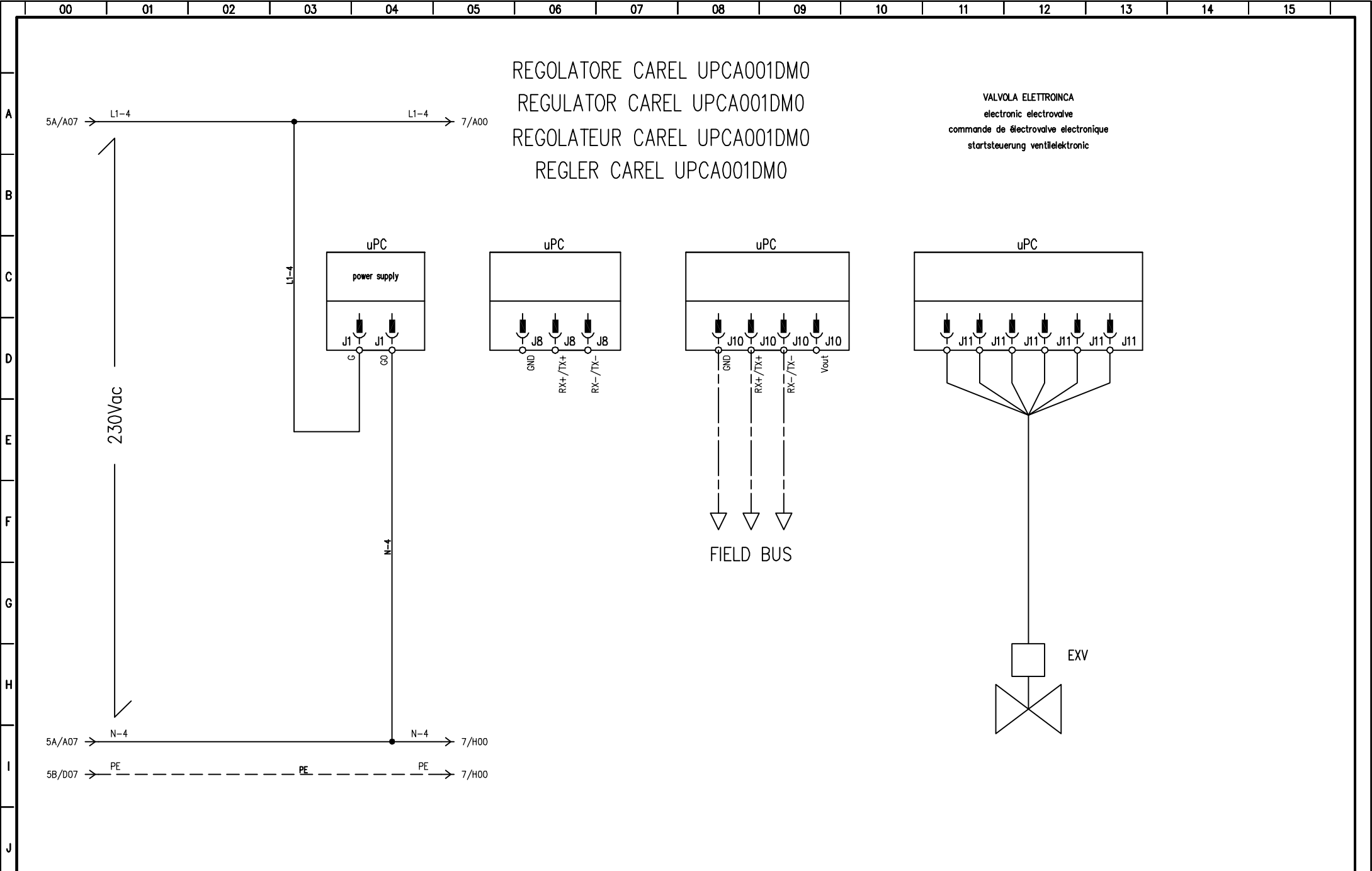
SUITE  
METER

TOT. FOGLI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT

|     |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
|-----|---------------------|-----------------|------------------------------------------------------------------------------------------------|---------------|------------------------|-------------------------|---------------------------|------------------------------|----------------------|-----------------|----------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|--------------------|---------------------------|----|----------------------------------|---------------|
|     | 00                  | 01              | 02                                                                                             | 03            | 04                     | 05                      | 06                        | 07                           | 08                   | 09              | 10                                                                                                 | 11                              | 12                      | 13                 | 14                        | 15 |                                  |               |
| A   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| B   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| C   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| D   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| E   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| F   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| G   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| H   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| I   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| J   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL – 2E00931()<br>ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00931() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00931()<br>WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00931() |                                 |                         |                    | FOLIO<br>PAGE             |    | 5B                               | PAGE<br>SEITE |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN | MAQUETTISTE<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROJECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 6  | SUITE<br>MEIER                   |               |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10–411               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |

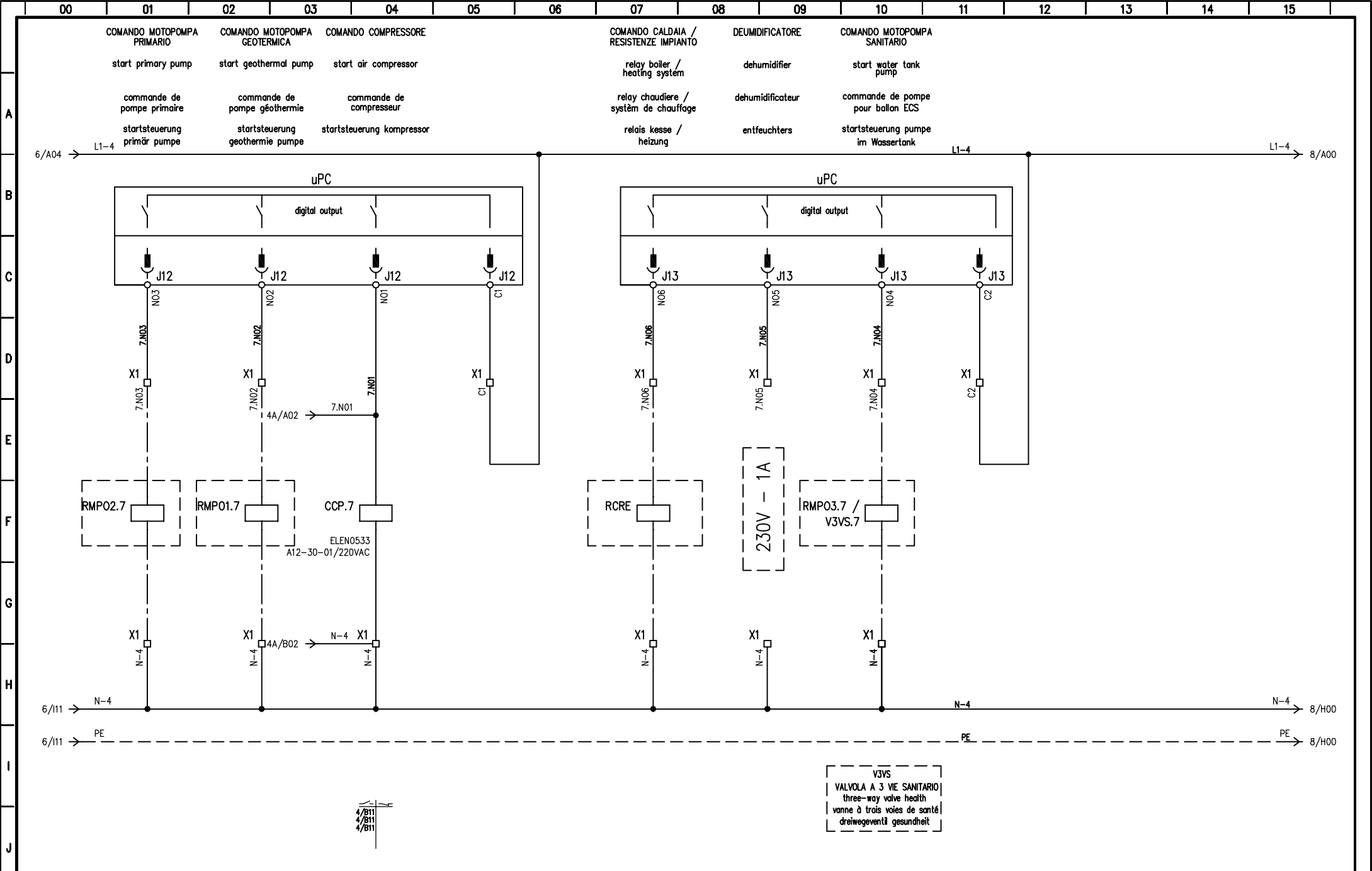


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |                |       |                |
|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|--------------------------------------------------|---------|------------------|------------------|-------------|-------------|----------------|-------|----------------|
| CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00931()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00931() |         |                  |                  | FOGLIO      | 6           | PAGE           |       |                |
|                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00931() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00931()   |         |                  |                  | PAGE        |             | SEITE          |       |                |
|                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGÉ        | PROGETTISTA | MAQUETTISTE   | NR. DIS.                                         | PROJECT | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL     | SEGUE          | SUITE |                |
|                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.                                         | BILD    | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT     | NEXT PAGE      | 7     | METER          |
|                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-411                                           |         | XXXX             |                  | 1100        |             | TOT. FOGLI     | 38    | TOTAL FEUILLES |
|                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             | TOTAL PAGES | BLÄTTER GESAMT |       |                |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00931()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00931()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00931()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00931()

FOGLIO  
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AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

10-411

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

1100

SEQUE  
NEXT PAGE

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SUITE  
METER

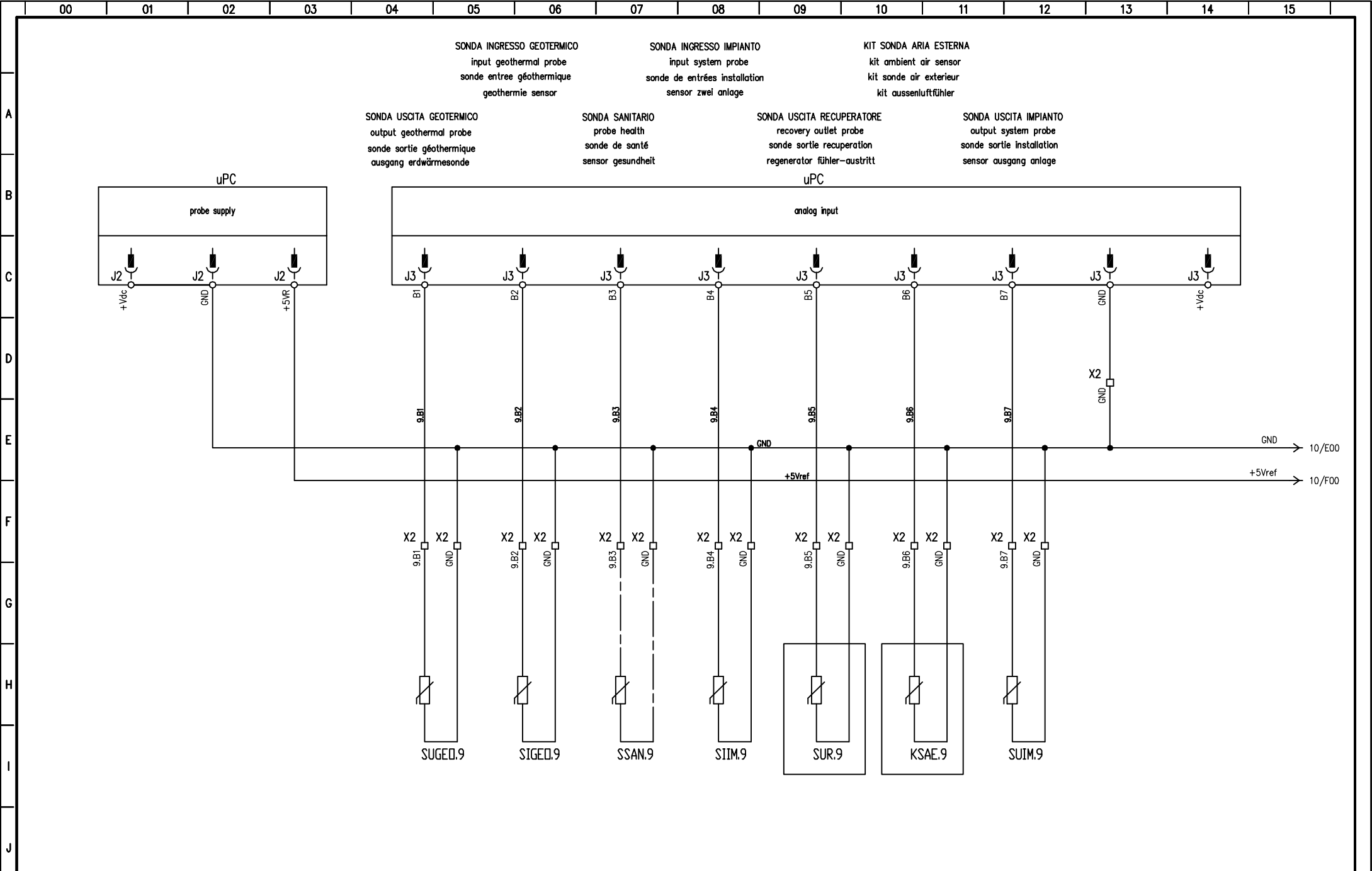
TOT. FOGLI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT







WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00931()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00931()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00931()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00931()

FOGLIO  
PAGE

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SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

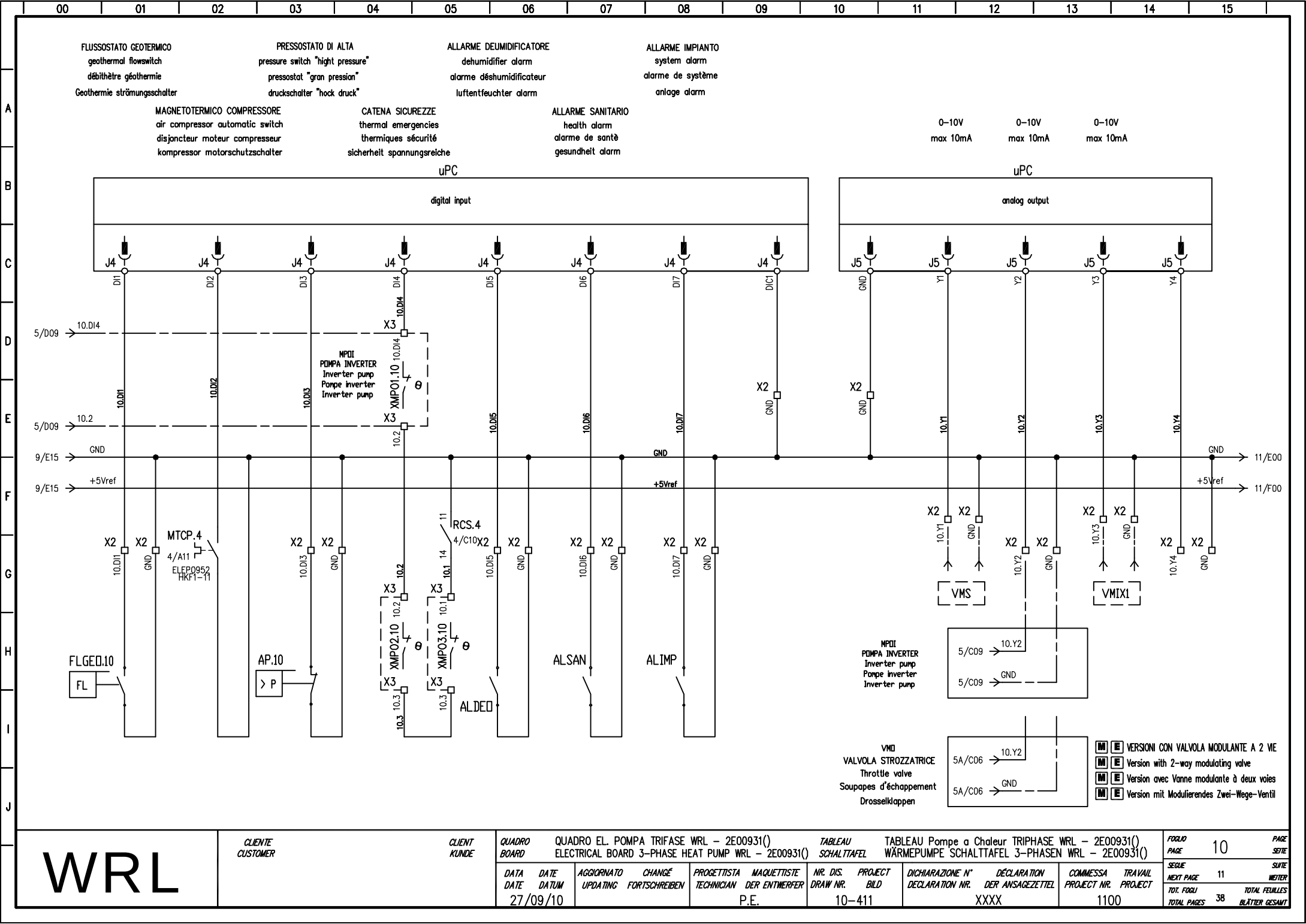
NR. DIS. PROJECT  
DRAW NR. BILD  
10-411

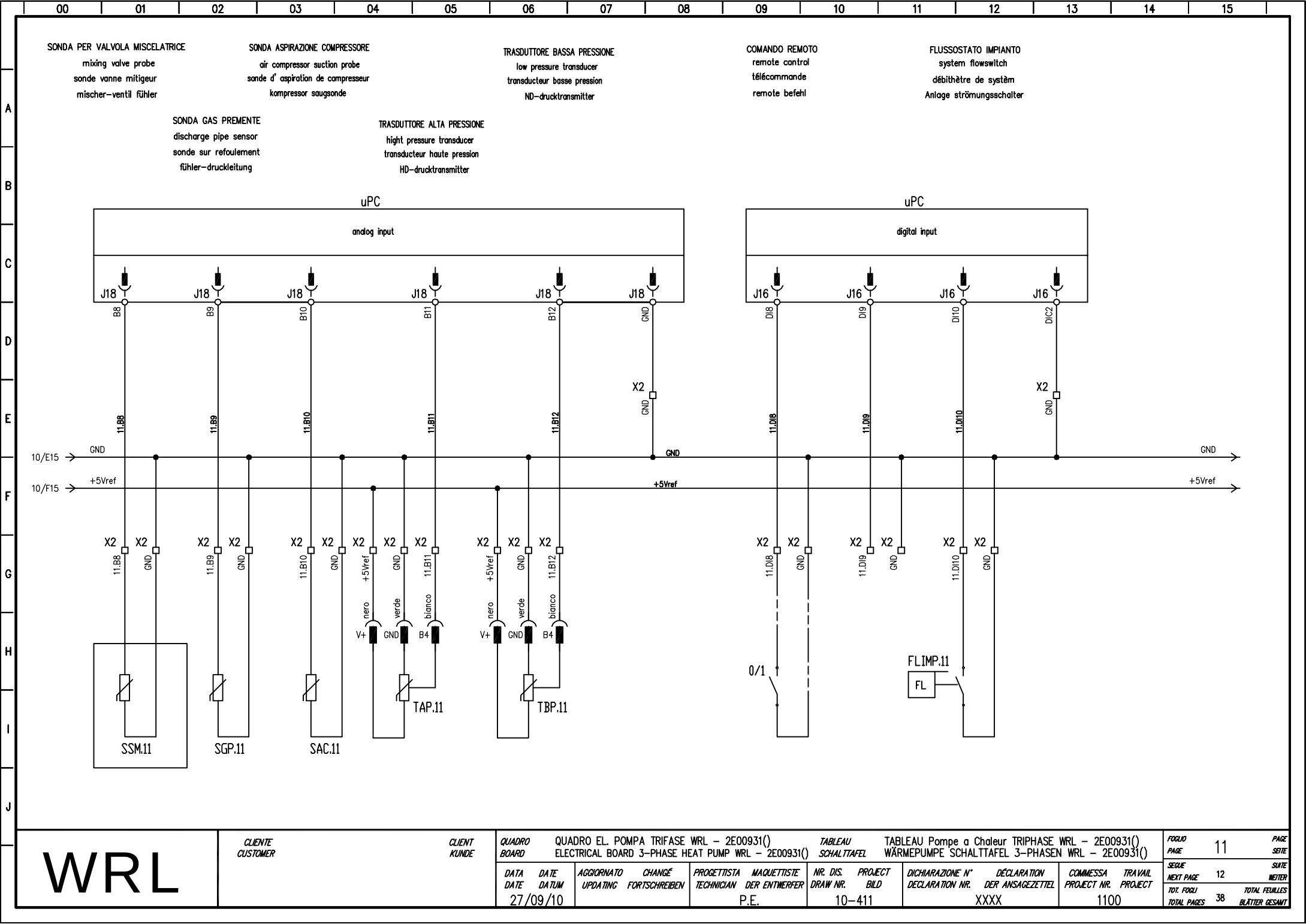
DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

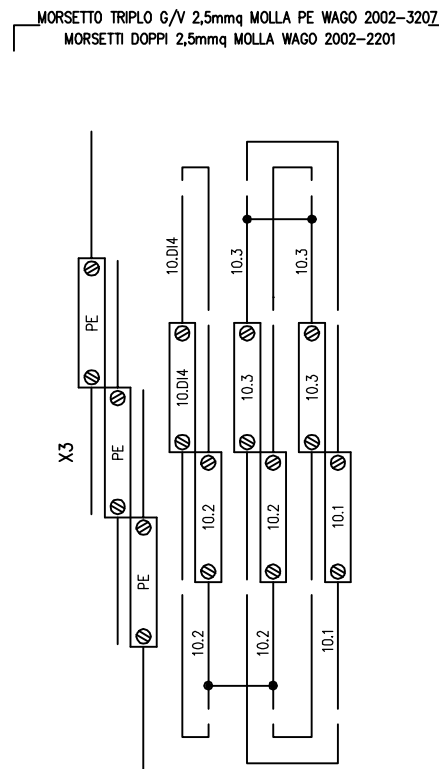
COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE  
10

SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT  
38

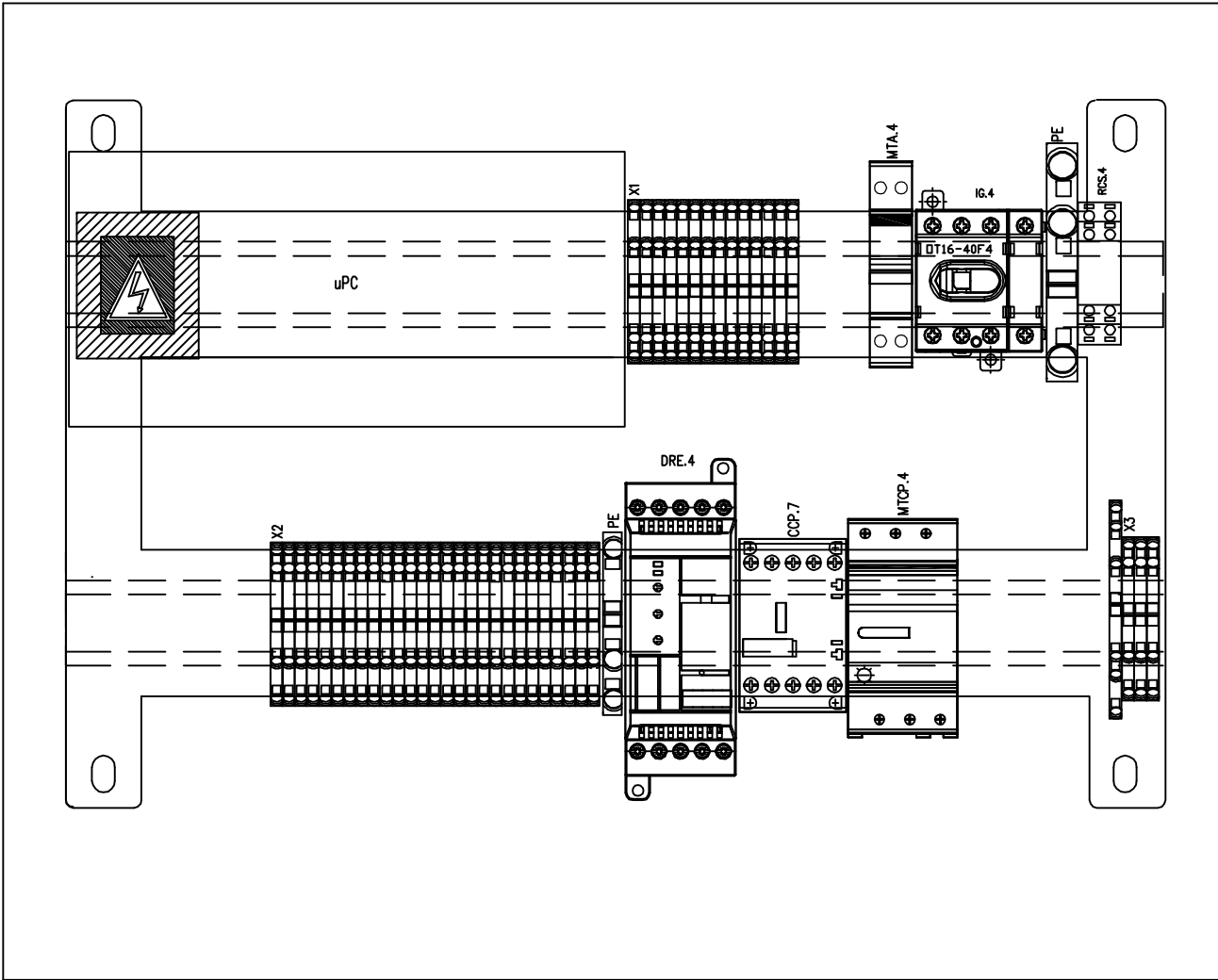








VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                                                            | TECHNICAL DATA BOX                                                                                                           |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /                                   | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                               |
| DIMENSIONI                                                                                                                          | DIMENSION                                                                                                                    |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                                                  | height: 350<br>Width: 500<br>Deep: 160                                                                                       |
| NOTE                                                                                                                                | NOTES                                                                                                                        |
| DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSION                                                                                                                           | ABMESSUNGEN                                                                                                                  |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                                     | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                                        |
| NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

☐ QUADRO DI SERIE

☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel

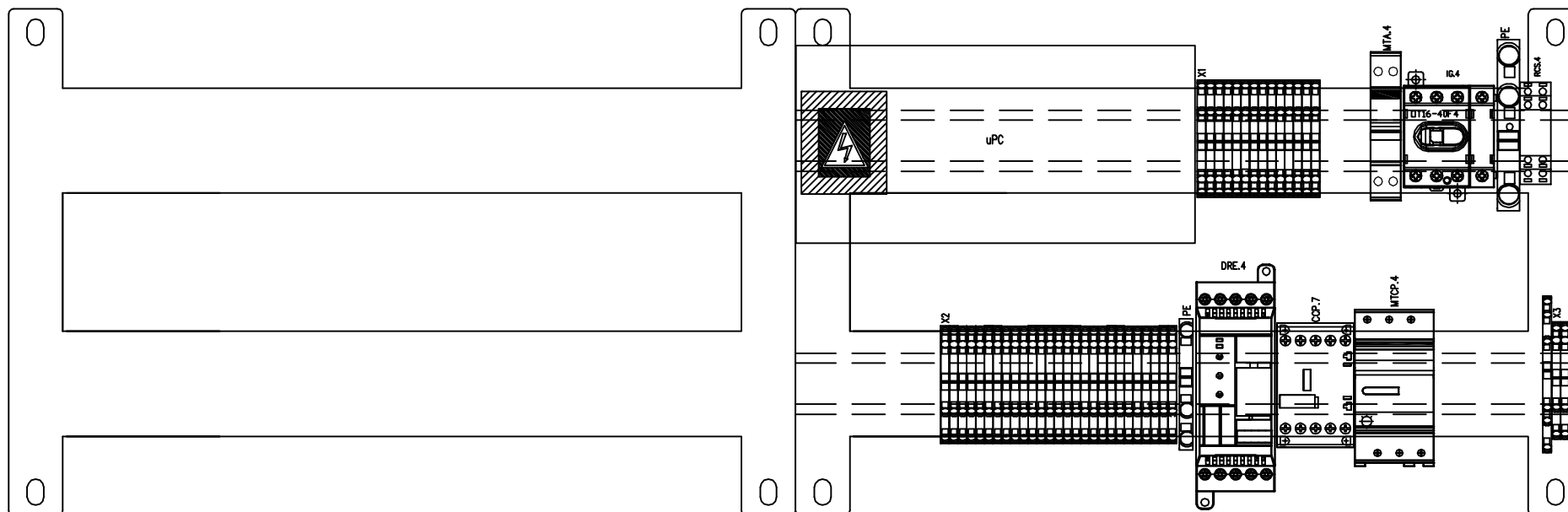
Technical drawing of a control cabinet layout showing the arrangement of components and their connections. The layout includes the following components and labels:

- Terminal Block (X1):** A large terminal block at the top with multiple rows of terminals.
- Power Supply Unit (PSU):** Labeled "DRE.4" and "CCP.7", located below the terminal block.
- Control Unit (CU):** Labeled "MTCP.4", located below the PSU.
- Motor Control Unit (MCU):** Labeled "MTA.4", located to the right of the MCU.
- Fuse Block (F.5):** Located at the bottom right of the layout.
- Other Labels:** "IG.4", "RES.4", "PE", "X2", "X3", "TR.5", "uPC", "DT 16-40F.4", "IC10", "IC11", "IC12", "IC13", "IC14", "IC15", "IC16", "IC17", "IC18", "IC19", "IC20", "IC21", "IC22", "IC23", "IC24", "IC25", "IC26", "IC27", "IC28", "IC29", "IC30", "IC31", "IC32", "IC33", "IC34", "IC35", "IC36", "IC37", "IC38", "IC39", "IC40", "IC41", "IC42", "IC43", "IC44", "IC45", "IC46", "IC47", "IC48", "IC49", "IC50", "IC51", "IC52", "IC53", "IC54", "IC55", "IC56", "IC57", "IC58", "IC59", "IC60", "IC61", "IC62", "IC63", "IC64", "IC65", "IC66", "IC67", "IC68", "IC69", "IC70", "IC71", "IC72", "IC73", "IC74", "IC75", "IC76", "IC77", "IC78", "IC79", "IC80", "IC81", "IC82", "IC83", "IC84", "IC85", "IC86", "IC87", "IC88", "IC89", "IC90", "IC91", "IC92", "IC93", "IC94", "IC95", "IC96", "IC97", "IC98", "IC99", "IC100".

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version avec Vanne modulante à deux voies  |
| <b>M</b> Version with 2-way modulating valve    | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |



VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



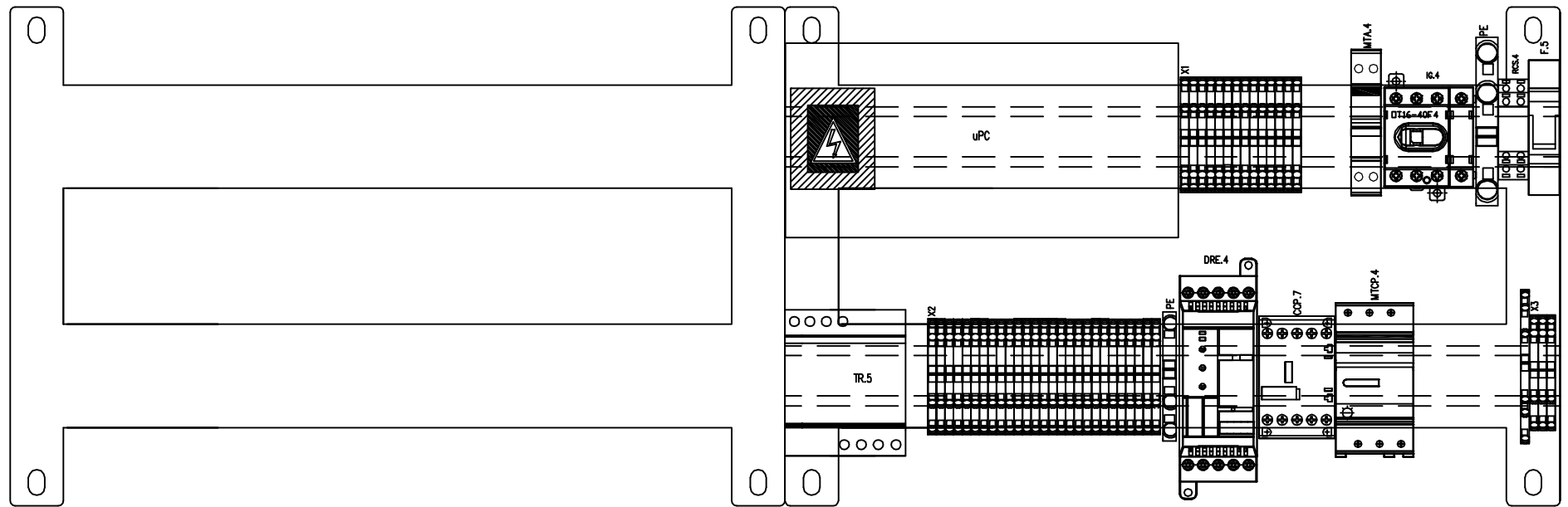
# WRL

**SUITE**  
**WEITER**  
**TOTAL FEUILLES**  
**BLÄTTER GESAMT**

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

|                                                                                                                               |                                                                                                                      |                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA<br>Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNICAL DATA BOX<br>Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI<br>Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                              | DIMENSION<br>height: 350<br>Width: 1040<br>Deep: 160                                                                 | DIMENSION<br>Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                                       | ABMESSUNGEN<br>Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                                        |
| NOTE                                                                                                                          | NOTES                                                                                                                | NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



☒ VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE  
☒ Version with Storage + 2-way modulating valve

☒ Version avec Stockage + Vanne modulante à deux voies  
☒ Version mit Lagerung + Modulierendes Zwei-Wege-Ventil



|                                                       |            |           |        |
|-------------------------------------------------------|------------|-----------|--------|
| POMPA TRIFASE                                         |            |           | WRL040 |
| Quadro elettrico                                      |            | REV       |        |
| cod.                                                  | 2E00932    | 1         |        |
| cod.                                                  | 2E00932A   | 1         | A      |
| cod.                                                  | 2E00932M   | 1         | M      |
| cod.                                                  | 2E00932E   | 1         | E      |
|                                                       |            |           |        |
| rif.                                                  | 2E00787C_2 | 2E00857_3 |        |
| lotto                                                 | nr.: XXXX  |           |        |
| VERS.                                                 |            |           |        |
| NO SOFTSTARTER – NO MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |        |

|                                                                              |                                                                           |                                                                                 |                                                                                  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE                                     | <input type="checkbox"/> Standard Board                                   | <input type="checkbox"/> Tableau standard                                       | <input type="checkbox"/> serienmäßig schalttafel                                 |
| <input checked="" type="checkbox"/> A VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> A Version with Storage                | <input checked="" type="checkbox"/> A Version avec Stockage                     | <input checked="" type="checkbox"/> A Version mit Lagerung                       |
| <input checked="" type="checkbox"/> M VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> M Version with 2-way modulating valve | <input checked="" type="checkbox"/> M Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> M Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> E A + M                                  | <input checked="" type="checkbox"/> E A + M                               | <input checked="" type="checkbox"/> E A + M                                     | <input checked="" type="checkbox"/> E A + M                                      |

|                        |                     |                      |           |
|------------------------|---------------------|----------------------|-----------|
| WRL                    |                     |                      |           |
| Costruttore            | Manufacturer        | NORMA CEI EN 60335-1 |           |
| COD. ARTICOLO          | Article Code        | 2E009320_01 03/03/11 |           |
| ALIMENTAZIONE          | Power supply        | 3/N/PE - 50 Hz 400V  |           |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 Hz 50 |
| POMPA DI CALORE WRL040 | Heat Pump WRL040    | A Max                | 7,4       |
|                        |                     |                      |           |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x        |
|                        |                     |                      |           |
| NOTE: NR. LOTTO=       | Notes               | XXXX                 |           |

|                        |                     |                      |           |
|------------------------|---------------------|----------------------|-----------|
| WRL                    |                     |                      |           |
| Constructeur           | Maschinenhersteller | NORMA CEI EN 60335-1 |           |
| Code Article           | Artikelcode         | 2E009320_01 03/03/11 |           |
| Alimentation           | Stromversorgung     | 3/N/PE - 50 Hz 400V  |           |
| Tension Nominale       | Nennspannung        | V                    | 400 Hz 50 |
| Pompe a Chaleur WRL040 | Wärmepumpe WRL040   | A Max                | 7,4       |
|                        |                     |                      |           |
| Degré de protection    | Schutzgrad          | IP                   | 2x        |
|                        |                     |                      |           |
| Note                   | Anmerkungen:        | XXXX                 |           |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉE     |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD              |
|                                                                                                                                                      |                 | 10-413                       |                              |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                |
|                                                                                                                                                      |                 | 27/09/10                     |                              |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN      |
|                                                                                                                                                      |                 |                              |                              |
| QUADRO<br>BOARD                                                                                                                                      | 2E00932         | TABLEAU<br>SCHALTAFEL        | COMMESSA<br>PROJECT NR.      |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 | 1100                         |                              |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION |                              |
|                                                                                                                                                      |                 | XXXX                         |                              |

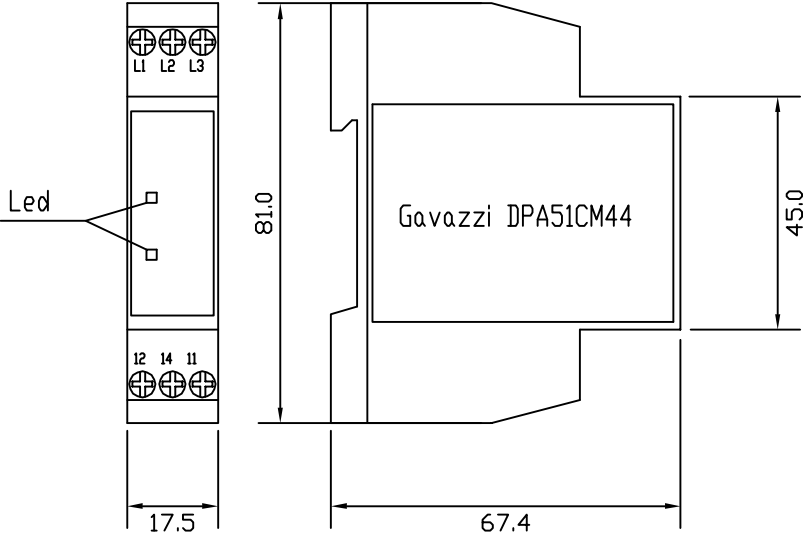
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FRANCAIS                                                     |                                                                                                    | DEUTSCH                   |                                                                                                                                                                                         | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FRANCAIS                |                    | DEUTSCH                   |    |                                  |
| O/I<br>AE<br>AL<br>ALDEO<br>ALSAN<br>ALUMP<br>BL<br>COP<br>CP<br>CMPO<br>RCRE<br>RCRES<br>DCP<br><br>DRE<br>F<br>FRC<br>IG<br>L<br>M<br>MA<br>MCN<br>MP01<br>MP02<br>MP03<br>WRTF<br>MSN<br>MTA<br>MTMPO<br>MTCP<br>MTR<br>N<br>NE<br>PE<br>PD<br>PDH<br>RPMIXI<br>PR<br>R<br>RAP<br>RC<br>RCP<br>RCS<br>RE<br>RER<br>RWMO<br>RI<br>RVSE<br>RX<br>SET<br>SIC<br>TEP<br>TGP<br>TR<br>TSME<br>TSRE<br>TSRI<br>TSVSE<br>TV<br>V3VF<br>V3VS<br>VC<br>VLS<br>VMD<br>VMS<br>VMXI<br>VS<br>VSE | INTERRUTTORE ACCESO/SPENTO<br>ALLARME ESTERNO<br>ALLARME<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>blau<br>CONTATTORE COMPRESSORE<br>COMPRESSORE<br>CONTATTORE MOTOPOMPA<br>REL' CALDAIA/RESISTENZA IMPIANTO<br>REL' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE DEUMIDIFICATORE<br>AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>REL' POMPA ZONA 1<br>PANNELLO REMOTO<br>REL'<br>REL' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>REL' COMPRESSORE<br>REL' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>REL' MOTOPOMPA<br>RISCALDATORE<br>REL' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>REL' RITARDATEO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMINA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | Switch On Off<br>remote alarm<br>alarme<br>alarm dehumidifier<br>health alert<br>boiler/heater alarm<br>bleu<br>compressor contactor<br>compressor<br>pump contactor<br>relay boiler / heating system<br>relay boiler / heating health<br>low ambient temperature device<br>dehumidifier<br>softstarter<br>fusible<br>Interference suppressor<br>Main switch<br>phase of power supply<br>clamps<br>brown<br>control clamps<br>geothermal pump<br>primary pump<br>water tank pump<br>governor-cut phase clamps<br>signal clamps<br>auxiliary services magneto-thermal<br>pump magneto-thermal<br>compressor magneto-thermal<br>Heater switch<br>neutral of power supply<br>black<br>grounded<br>differential pressure switch<br>differential pressure switch<br>relay pump zone 1<br>remote panel<br>relé<br>"high pressure" relay<br>compressor oil heater<br>air compressor relé<br>phase sequence relay<br>antifreeze resistances<br>antifreeze recovery<br>pump relé<br>heating device<br>economizer relé<br>tray resistance<br>second set<br>thermal emergencies<br>delayed relé<br>discharge gas thermostat<br>Transformator<br>pressure transducer<br>mechanical thermostat<br>antifreeze resistances thermostat<br>heating device safety thermostat<br>economizer thermostat<br>thermistor fan coil<br>three-way valve freecooling<br>three-way valve health<br>reversel cycle valve<br>electrovalve liquid interception<br>2-way modulating valve<br>modulating valve health<br>mixing valve zone 1<br>electrovalve injection of liquid<br>electrovalve economizer | Interrupteur On Off<br>alarme extérieur<br>alarme<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>rélay chaudière/système de chauffage<br>rélay chaudière de chauffage de santé<br>dispositif pour basse température<br>déhumidificateur<br>démarrateur<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase de alimentation<br>bornes<br>marron<br>bornes de commande<br>pompe géothermie<br>pompe primaire<br>pompe pour ballon ECS<br>bornes de gouverneur coupe phase<br>bornes de signal<br>magneto-thermique services auxiliaires<br>pompe magneto-thermique de pompe<br>magneto-thermique compresseur<br>magneto-thermique Chauffage<br>neutre de alimentation<br>noir<br>mise à la terre<br>pressostat différentiel<br>pressostat différentiel<br>relais pompe de zone 1<br>commande a distance<br>relais<br>Relais haute pression<br>résistance huile CP<br>relais de compresseur<br>relais sequenciel<br>résistance antigel<br>recouvrement antigel<br>relais de pompe<br>chauffage<br>relais de economizer<br>résistance de bassins<br>second set<br>thermiques sécurité<br>relais retard<br>thermostat de gaz de décharge<br>transformateur<br>transducteur pression<br>Thermostat mécanique<br>thermostat de résistance antigel<br>thermostat de sécurité chauffage<br>Thermostat economizer<br>thermistance ventilateur<br>vanne à trois voies freecooling<br>vanne à trois voies de santé<br>vanne inversion de cycle<br>électrovalve interception de liquide<br>Vanne modulante à deux voies<br>Modulation de la santé valve<br>Vanne de zone de mélange 1<br>électrovalve injection de liquide<br>électrovalve economizer | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alm kessel/elekt. Widerstände<br>blau<br>kompressor schuetz<br>kompressor<br>steuererschütz pumpe<br>relais kessel/heizung<br>startsteuerung Kessel/Wassertank Widerstände<br>winterregelung<br>entfeuchters<br>demarreur<br>anlasser<br>sicherung<br>Funkentstörung<br>Hauptschalter<br>phasen vom Stromversorgung<br>klemmen<br>braun<br>startsteuerung klemmen<br>Geothermie pumpe<br>primär pumpe<br>pumpe im Wassertank<br>klemmen der governor cut-phase<br>signal klemmen<br>schalter für Zubehöre<br>schalter für pumpe<br>motorschuttschalter kompressor<br>Heizvorrichtung schalter<br>neutral vom Stromversorgung<br>schwarz<br>erdungskontakt<br>druckdifferenzschalter<br>druckdifferenzschalter<br>relay pumpe in zone 1<br>remote panel<br>relais<br>hochdruckrelais<br>kübelwannenheizung<br>kompressor relais<br>relais phasenreihenfolge<br>einfrierverhütend Widerstände<br>antifreeze recovery<br>pumpe relais<br>heizvorrichtung<br>economizer relais<br>tropfschale Widerstände<br>zweite set<br>sicherheit spannungsreiche<br>zeit relais<br>Druckgas Thermostat<br>Transformator<br>drucktransmitter<br>thermischer mechanische<br>einfrierverhütend Widerstände thermischer<br>sicherheit heizvorrichtung thermischer<br>thermischer economizer<br>thermistor gebälse<br>dreiwegenventil freecooling<br>dreiwegenventil gesundheit<br>umkehrventil<br>liquid abfangen magnetventil<br>Modulierendes Zwei-Wege-Ventil<br>RegelVentil gesundheit<br>mischer-Ventil zone 1<br>elektroventil injection vom flüssigen<br>elektroventil economizer |                                                              |                                                                                                    |                           | AP<br>BP<br>FL<br>EXV<br>FLGEO<br>FLUMP<br>MAP<br>MBP<br>KSAE<br>SAC<br>SIIM<br>SGP<br>SIGEO<br>SIW<br>SIWH<br>SRIM<br>SSAN<br>SUGEO<br>SUIM<br>SUR<br>SUW<br>SUWH<br>SSM<br>TAP<br>TBP | PRESSOSTATO DI ALTA<br>PRESSOSTATO DI BASSA<br>FLUSSOSTATO<br>VALVOLA ELETTRONICA<br>FLUSSOSTATO GEOTERMICO<br>FLUSSOSTATO IMPIANTO<br>MORSETTIERA PRESSOSTATO DI ALTA<br>MORSETTIERA PRESSOSTATO DI BASSA<br>SONDA ARIA ESTERNA<br>SONDA ASPIRAZIONE COMPRESSORE<br>SONDA INGRESSO IMPIANTO<br>SONDA GAS PREMENTE<br>SONDA INGRESSO GEOTERMICO<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA RITORNO IMPIANTO<br>SONDA SANITARIO<br>SONDA USCITA GEOTERMICO<br>SONDA USCITA IMPIANTO<br>SONDA USCITA RECUPERATORE<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA VALVOLA MISCELATRICE<br>TRASDUTTORE ALTA PRESSIONE<br>TRASDUTTORE BASSA PRESSIONE | "high pressure" control<br>pressure switch "low pressure"<br>flowswitch<br>electronic electrovalve<br>geothermal flowswitch<br>system flowswitch<br>pressure switch "high pressure" clamps<br>pressure switch "low pressure" clamps<br>ambient air probe<br>air compressor suction probe<br>input system probe<br>discharge pipe sensor<br>input geothermal probe<br>water inlet probe (NTC)<br>water inlet probe (NTC)<br>output system probe<br>probe health<br>output geothermal probe<br>output system probe<br>recovery outlet probe<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>mixing valve probe<br>high pressure trasducer<br>low pressure trasducer | pressostat "haut pression"<br>pressostat "basse pression"<br>fluxostat<br>commande de électrovalve électronique<br>débitmètre géothermie<br>débitmètre de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air extérieur<br>sonde d'aspiration de compresseur<br>sonde de entrées installation<br>sonde sur refoulement<br>sonde entree géothermique<br>sonde entree eau (NTC)<br>sonde entree eau (NTC)<br>sonde de sorties installation<br>sonde de santé<br>sonde sortie géothermique<br>sonde sortie installation<br>sonde sortie recuperation<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde robinet mélange<br>transducteur haute pression<br>transducteur basse pression | hochdruckpressostat<br>druckschalter "niedrig druck"<br>stromungswächter<br>startsteuerung ventilelektronik<br>Geothermie strömungsschalter<br>Anlage strömungsschalter<br>druckschalter "hoch druck" klemmen<br>druckschalter "niedrig druck" klemmen<br>aubenluftfühler<br>kompressor saugsonde<br>sensor zwei anlage<br>fühler-druckleitung<br>geothermie sensor<br>fühler-wassereintritt (NTC)<br>fühler-wassereintritt (NTC)<br>Ausgang Wärmetauscher sensor<br>probe gesundheit<br>ausgang erdwärmesonde<br>sensor ausgang anlage<br>regenerator fñher-austritt<br>fühler-wasseraustritt (NTC)<br>fühler-wasseraustritt (NTC)<br>fühler-wasseraustritt (NTC)<br>mischerventil probe<br>HD-drucktransmitter<br>ND-drucktransmitter |                         |                    |                           |    |                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MP01B<br>MP01U<br>MPDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | POMPA STANDARD<br>POMPA MAGGIORATA<br>POMPA INVERTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Standard pump<br>Increased pump<br>Inverter pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pompe standard<br>Pompe avec augmentation<br>Pompe Inverter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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Volumenstrom<br>Inverter pump |                                                                                                    |                           |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                              | COMPONENTI FORNITI<br>COME OPTIONAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| WRL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                                                                                                                                                                                                                                                                                                               | QUADRO EL. POMPA TRIFASE WRL - 2E00932()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00932()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TABEAU<br>SCHALTAFEL                                         | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00932()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00932() | Foglio<br>PAGE            | 2                                                                                                                                                                                       | PAGE<br>SEITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |                    |                           |    |                                  |
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              | CHANGE<br>FORTSCHREIBEN                                                                            | PROGETTISTA<br>TECHNICIAN | MAQUETTISTA<br>DER ENTWERFER                                                                                                                                                            | NR. DIS.<br>DRAW NR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PROJECT<br>BILD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DICHIARAZIONE N°<br>DECLARATION NR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DECLARATION<br>DER ANSAGEZETTEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 4  | SUITE<br>METIER                  |
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FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |



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| A   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| B   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| C   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| D   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| E   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| F   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| G   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| H   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| I   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| J   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL - 2E00932()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00932() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00932()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00932() |                                 |                         |                    | FOGLIO<br>PAGE            |    | 4A                               | PAGE<br>SEITE |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN | MAQUETTISTE<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROIECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 4B | SUITE<br>WEITER                  |               |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10-413               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |

IN ALTERNATIVA  
alternative  
alternative  
alternative

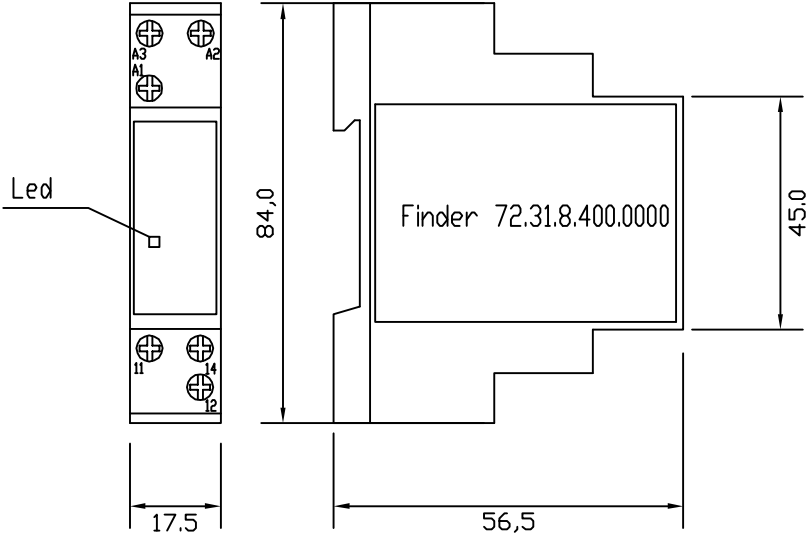
Gavazzi DPA51CM44  
L1 = L1  
L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

IN ALTERNATIVA  
alternative  
alternative  
alternative

Finder 72.31.8.400.0000  
A1 = L1  
A2 = L2  
A3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00932()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00932()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00932()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00932()

FOLIO  
PAGE

4B

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-413

DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE' SUITE  
NEXT PAGE 5  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 38 BLÄTTER GESAMT



|     |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
|-----|---------------------|-----------------|------------------------------------------------------------------------------------------------|---------------|------------------------|-------------------------|---------------------------|------------------------------|----------------------|-----------------|----------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|--------------------|---------------------------|----|----------------------------------|---------------|
|     | 00                  | 01              | 02                                                                                             | 03            | 04                     | 05                      | 06                        | 07                           | 08                   | 09              | 10                                                                                                 | 11                              | 12                      | 13                 | 14                        | 15 |                                  |               |
| A   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| B   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| C   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| D   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| E   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| F   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| G   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| H   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| I   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| J   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL - 2E00932()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00932() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00932()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00932() |                                 |                         |                    | FOLIO<br>PAGE             |    | 5                                | PAGE<br>SEITE |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN | MAQUETTISTA<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROIECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 5A | SUITE<br>WEITER                  |               |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10-413               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |

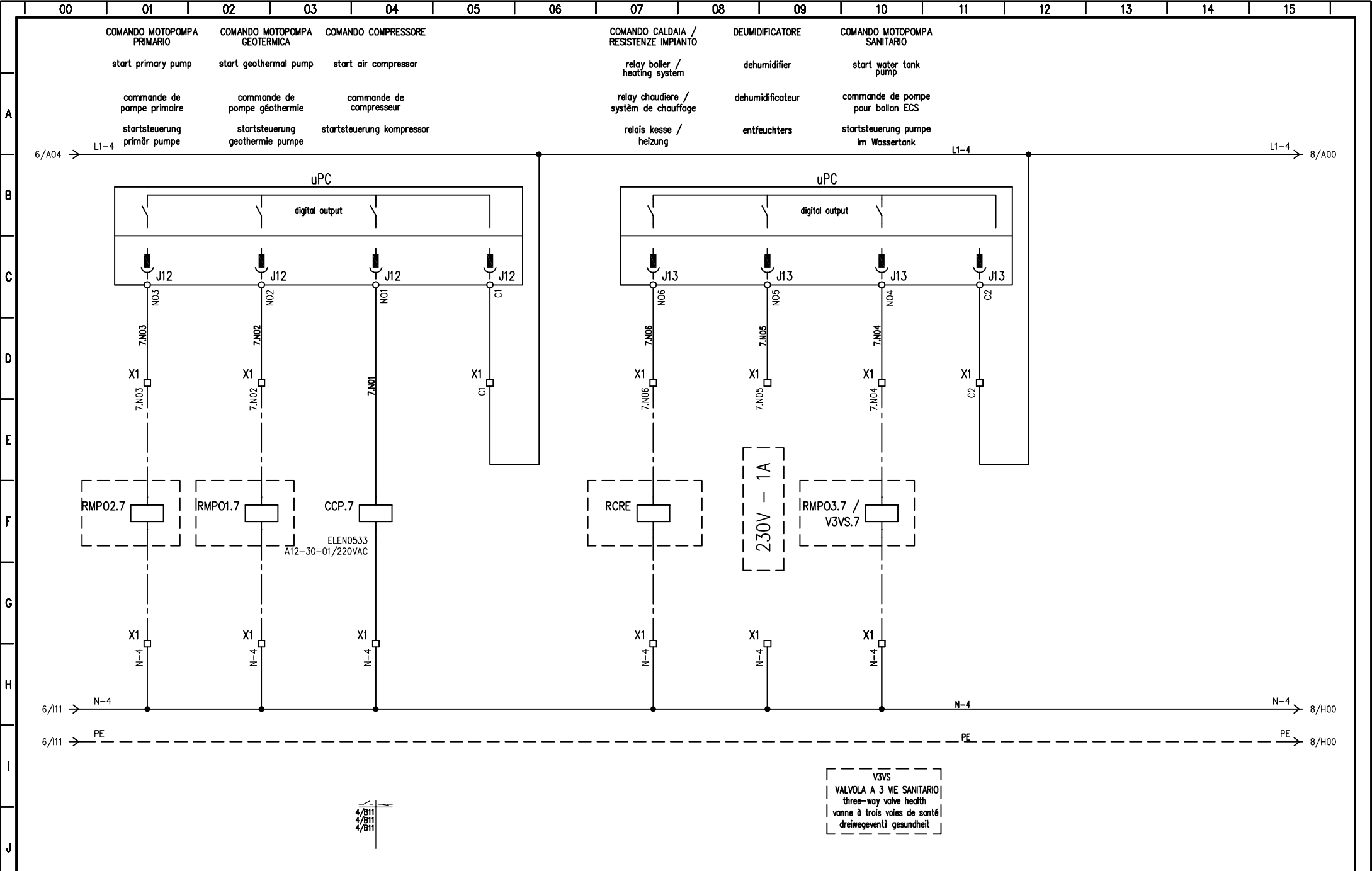


|     |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
|-----|---------------------|-----------------|------------------------------------------------------------------------------------------------|---------------|------------------------|-------------------------|---------------------------|------------------------------|----------------------|-----------------|----------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|--------------------|---------------------------|----|----------------------------------|---------------|
|     | 00                  | 01              | 02                                                                                             | 03            | 04                     | 05                      | 06                        | 07                           | 08                   | 09              | 10                                                                                                 | 11                              | 12                      | 13                 | 14                        | 15 |                                  |               |
| A   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| B   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| C   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| D   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| E   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| F   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| G   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| H   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| I   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| J   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL - 2E00932()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00932() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00932()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00932() |                                 |                         |                    | FOLIO<br>PAGE             |    | 5B                               | PAGE<br>SEITE |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN | MAQUETTISTE<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROJECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 6  | SUITE<br>WEITER                  |               |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10-413               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de électrovalve électronique  
startsteuerung ventilelektronik



|             |    |                |
|-------------|----|----------------|
| SEQUE       |    | SUITE          |
| NEXT PAGE   | 7  | WEITER         |
| TOT. FOGLI  |    | TOTAL FEUILLES |
| TOTAL PAGES | 38 | BLÄTTER GESAMT |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00932()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00932()

TABEUA  
SCHALTAFEL

TABEUA Pompe a Chaleur TRIPHASE WRL - 2E00932()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00932()

FOLIO  
PAGE 7

PAGE  
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DATA  
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DATA  
DATUM

AGGIORNATO  
UPDATING

CHANGÉ  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DECLARATION  
DER ANSAGEZETTEL

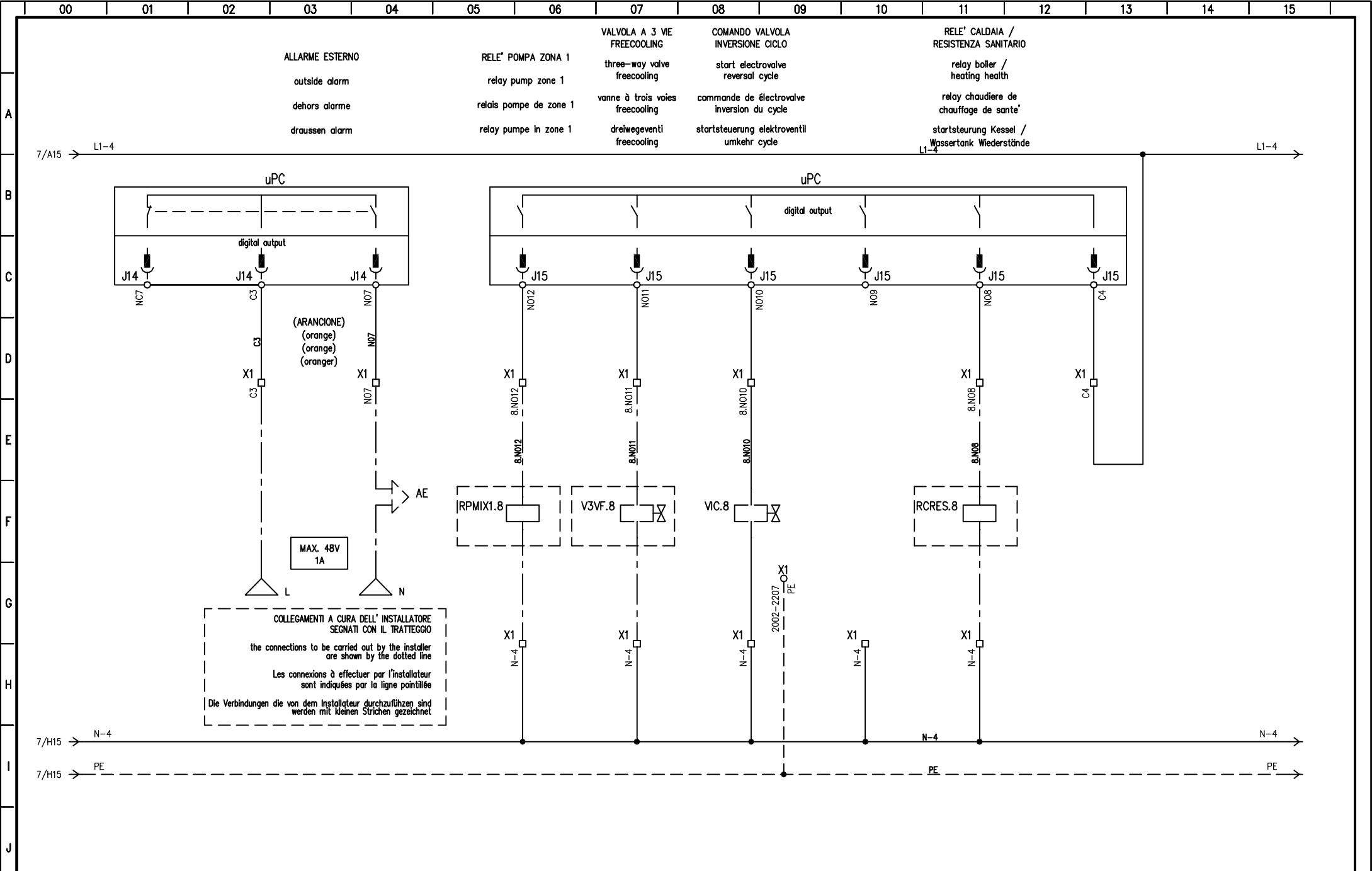
COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

TOT. FOLII  
TOTAL PAGES

38

TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00932()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00932()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00932()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00932()

FOLIO  
PAGE 8

PAGE  
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DATA  
DATE 27/09/10

AGGIORNATO  
DATE  
CHANGÉ  
DATUM  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN  
MAQUETTISTE  
DER ENTWERFER  
P.E.

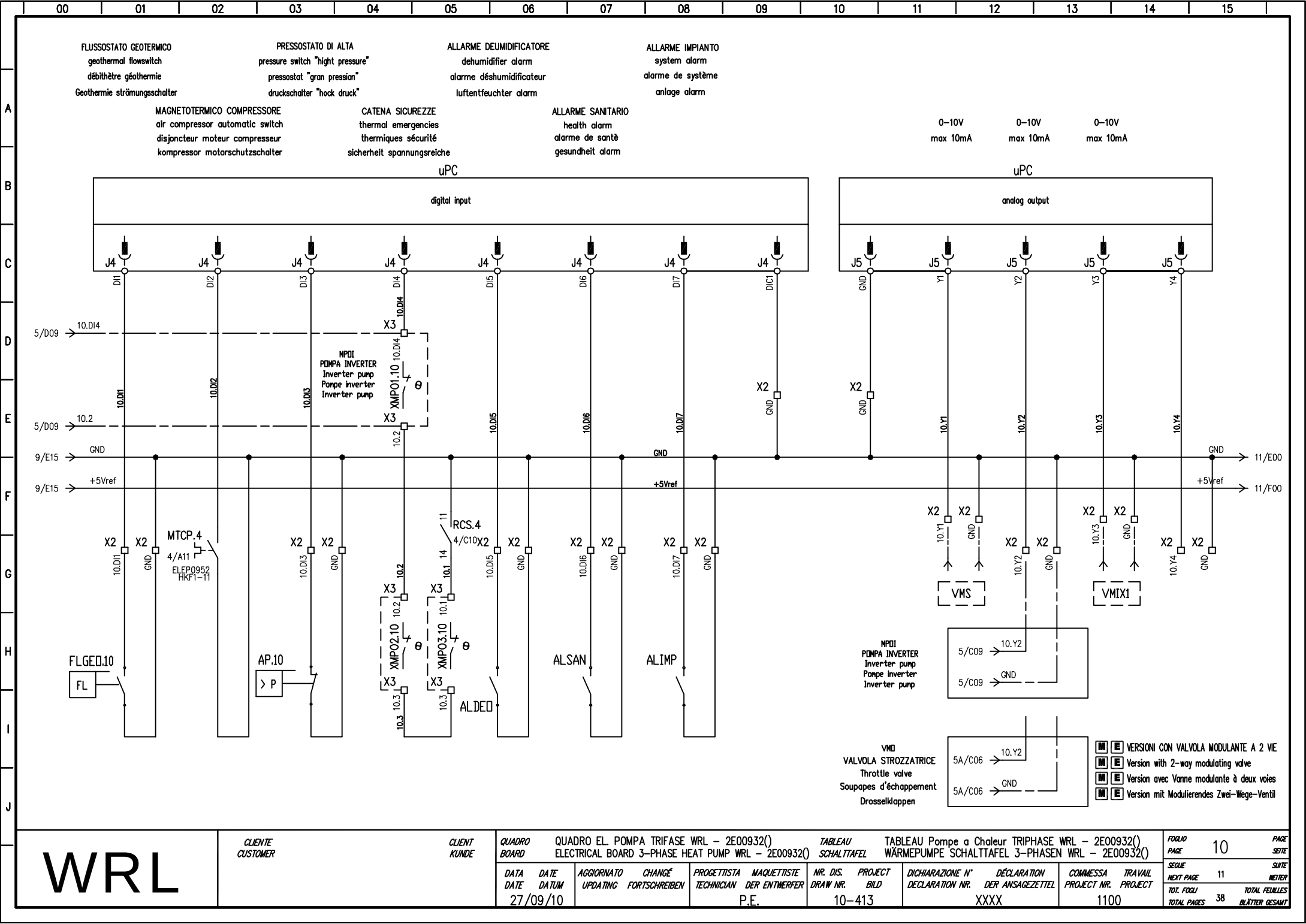
NR. DIS.  
DRAW NR.  
PROJECT  
BILD  
10-413

DICHIARAZIONE N°  
DECLARATION NR.  
DECLARATION  
DER ANSAGEZETTEL  
XXXX

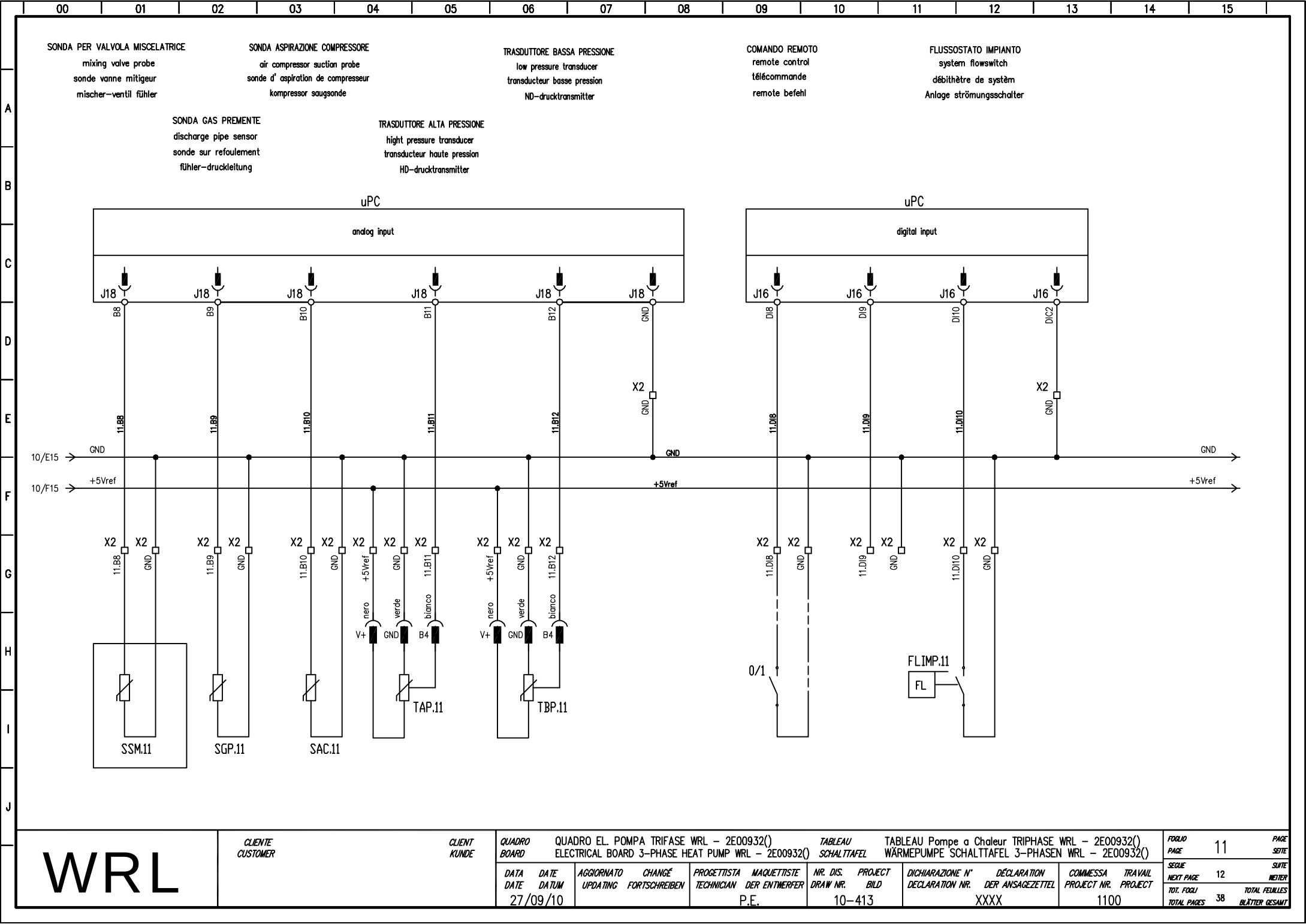
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PROJECT NR.  
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PROJECT  
1100

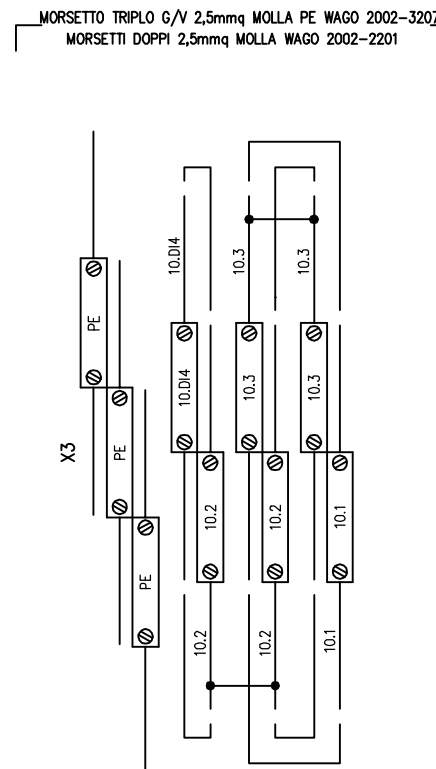
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BLÄTTER GESAMT











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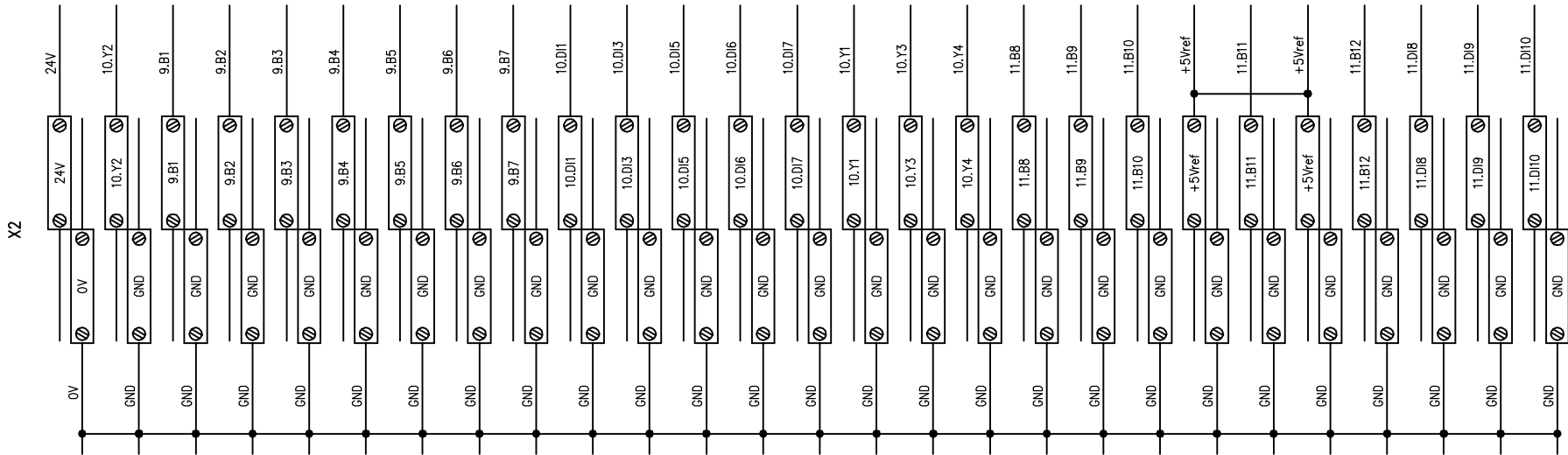
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MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00932()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00932()

TABE  
SCHALT

TABE  
WÄRM

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PAGE  
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DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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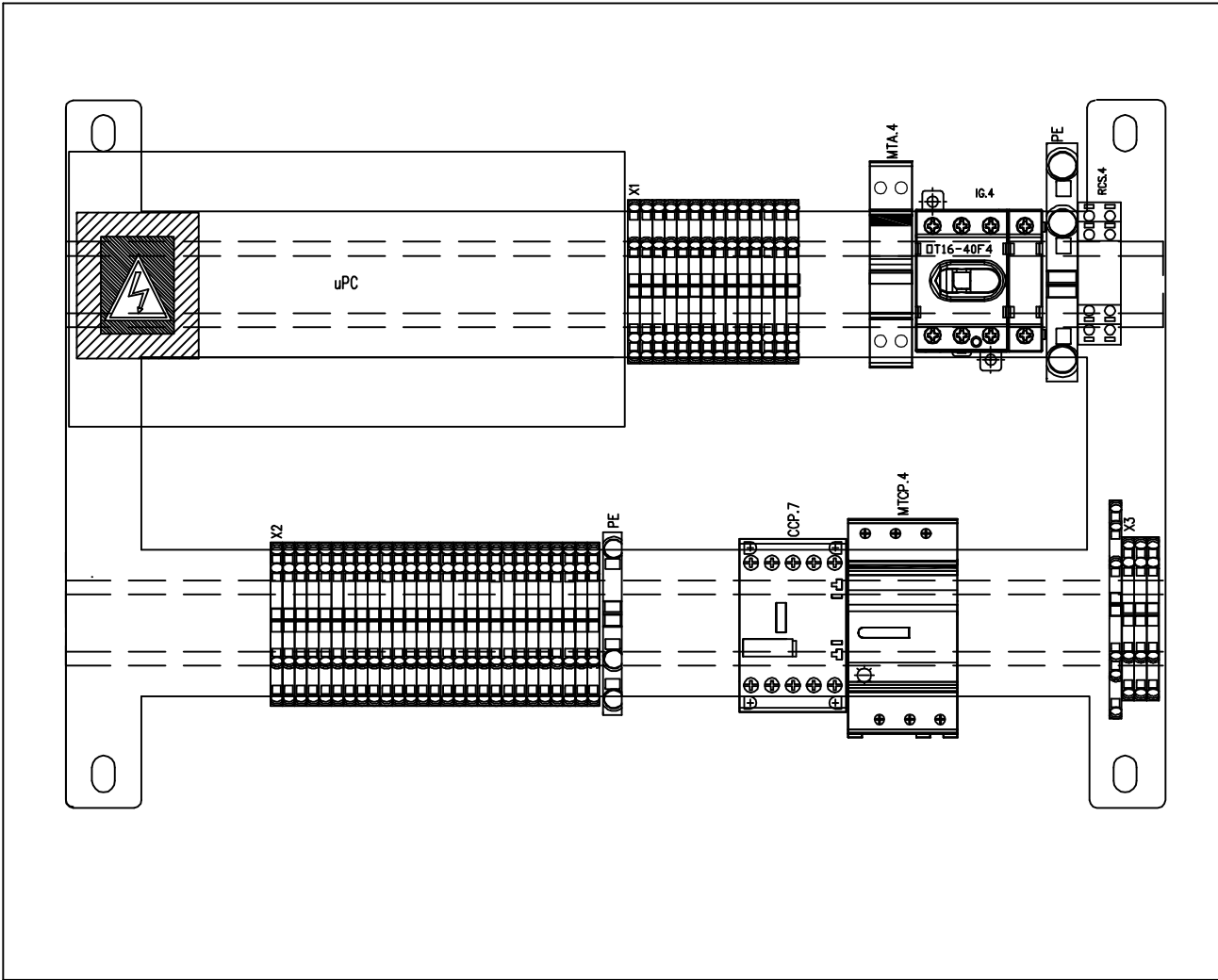
SUITE  
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TOT. FOLJ  
TOTAL PAGES

38

TOTAL FEUILLES  
BLÄTTER GESAMT

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                    |                                                                                                |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                           | TECHNICAL DATA BOX                                                                             |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /  | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                         | DIMENSION                                                                                      |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                 | height: 350<br>Width: 500<br>Deep: 160                                                         |
| NOTE                                                                                               | NOTES                                                                                          |
| DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                               |
| Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: /       |
| DIMENSION                                                                                          | ABMESSUNGEN                                                                                    |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                    | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                          |
| NOTE                                                                                               | BEMERKUNGEN                                                                                    |

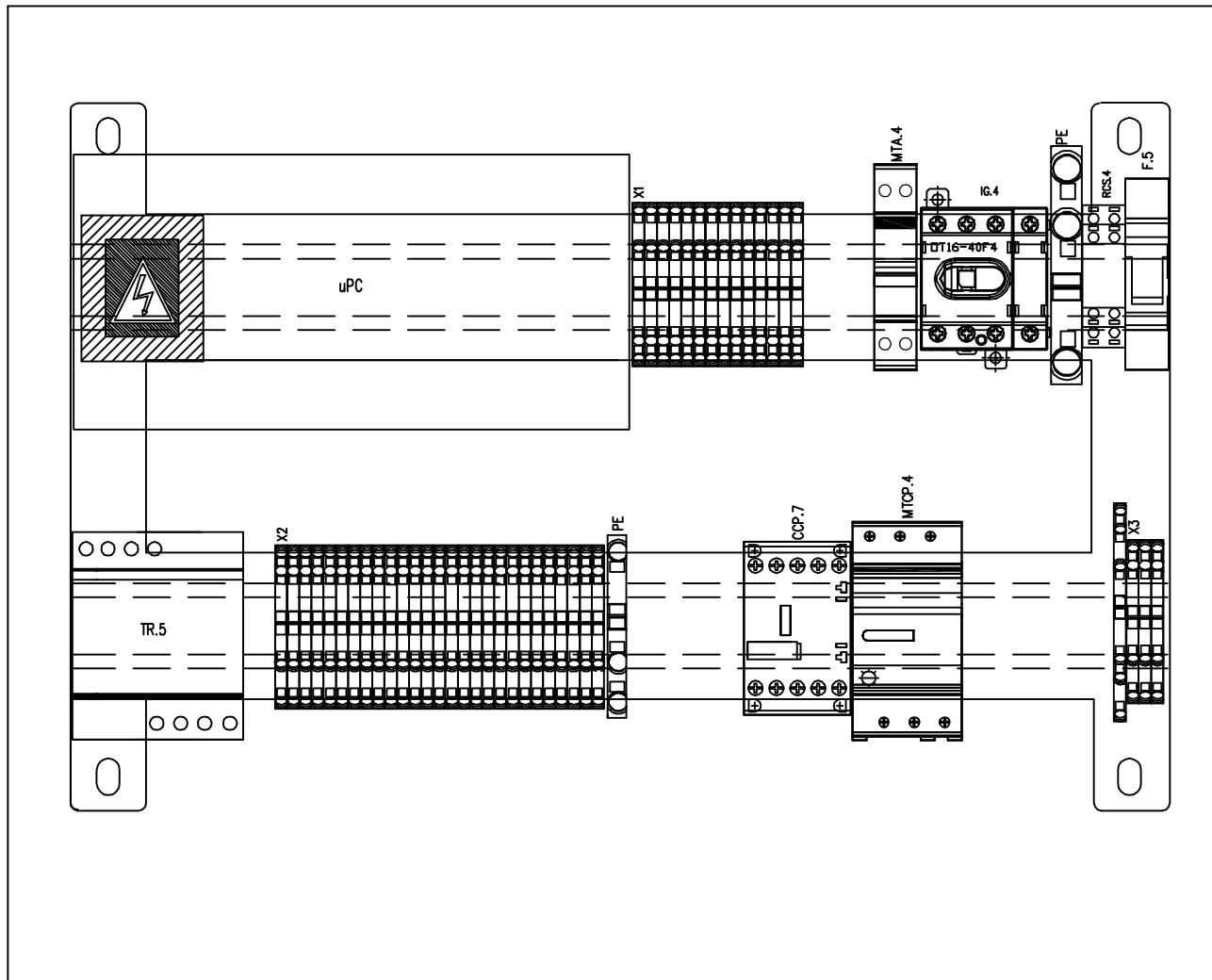
☐ QUADRO DI SERIE

☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                                                             |                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>DATI TECNICI CARPENTERIA</b><br><br>Marca: –<br>Colore: –<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /    | <b>TECHNICAL DATA BOX</b><br><br>Mark: –<br>Color: –<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /      |
| <b>DIMENSIONI</b><br><br>Altezza: 350<br>Larghezza: 500<br>Profondità: 160                                                                  | <b>DIMENSION</b><br><br>height: 350<br>Width: 500<br>Deep: 160                                                                       |
| <b>NOTE</b>                                                                                                                                 | <b>NOTES</b>                                                                                                                         |
| <b>DONNÉES TECHNIQUES<br/>TABLEAU</b><br>Marque: –<br>Couleur: –<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | <b>TECHNISCHEN DATEN<br/>DES RAHMENS</b><br>Marke: –<br>Farbe: –<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| <b>DIMENSION</b><br><br>Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                     | <b>ABMESSUNGEN</b><br><br>Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                      |
| <b>NOTE</b>                                                                                                                                 | <b>BEMERKUNGEN</b>                                                                                                                   |



VERSIONE CON VALVOLA MODULANTE A 2 VIE  
Version with 2-way modulating valve



Version avec Vanne modulante à deux voies  
Version mit Modulierendes Zwei-Wege-Ventil

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL – 2E00932()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL – 2E00932()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL – 2E00932()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL – 2E00932()

Foglio  
PAGE 14A

PAGE  
SEITE

DATA  
DATE 27/09/10

AGGIORNATO  
DATE  
UPDATE  
FORTSCHREIBEN

PROGETTISTA  
MAQUETTISTE  
TECHNICIAN  
DER ENTWERFER  
P.E.

NR. DIS.  
PROJECT  
DRAW NR.  
BILD  
10-413

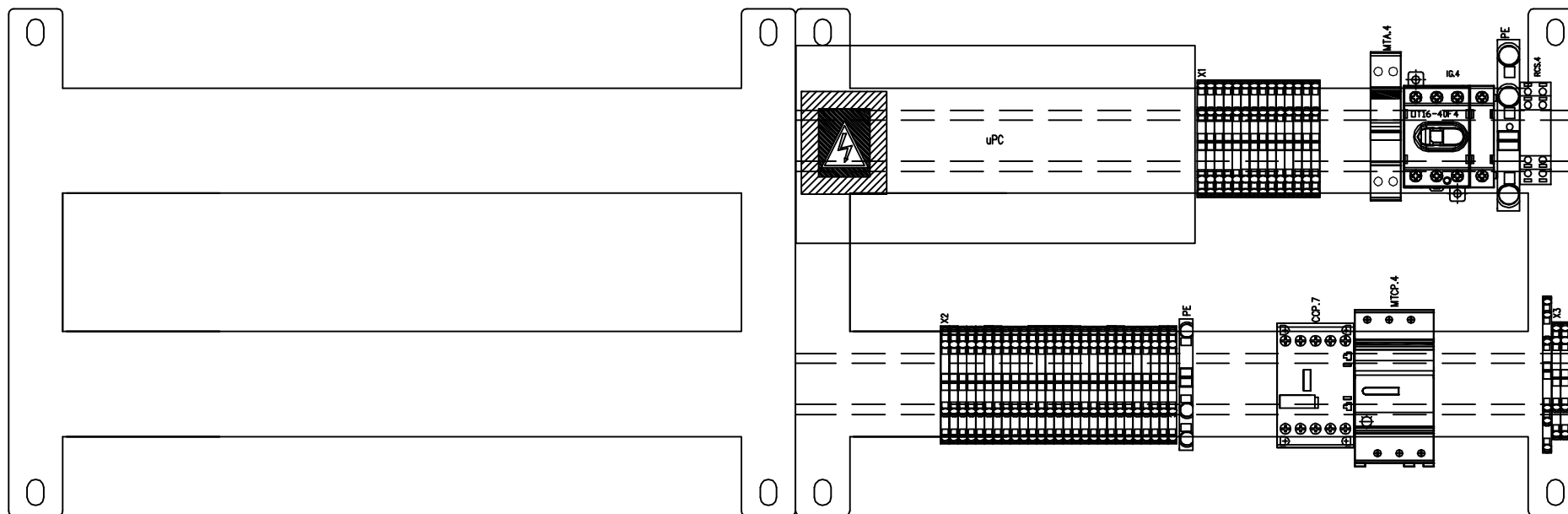
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DECLARATION  
DER ANSAGEZETTEL  
XXXX

COMMESSA  
PROJECT NR.  
TRAVAIL  
PROJECT  
1100

SEGUE  
NEXT PAGE 14B

SUITE  
TOTAL FEUILLES  
BLATTIER GESAMT  
38

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



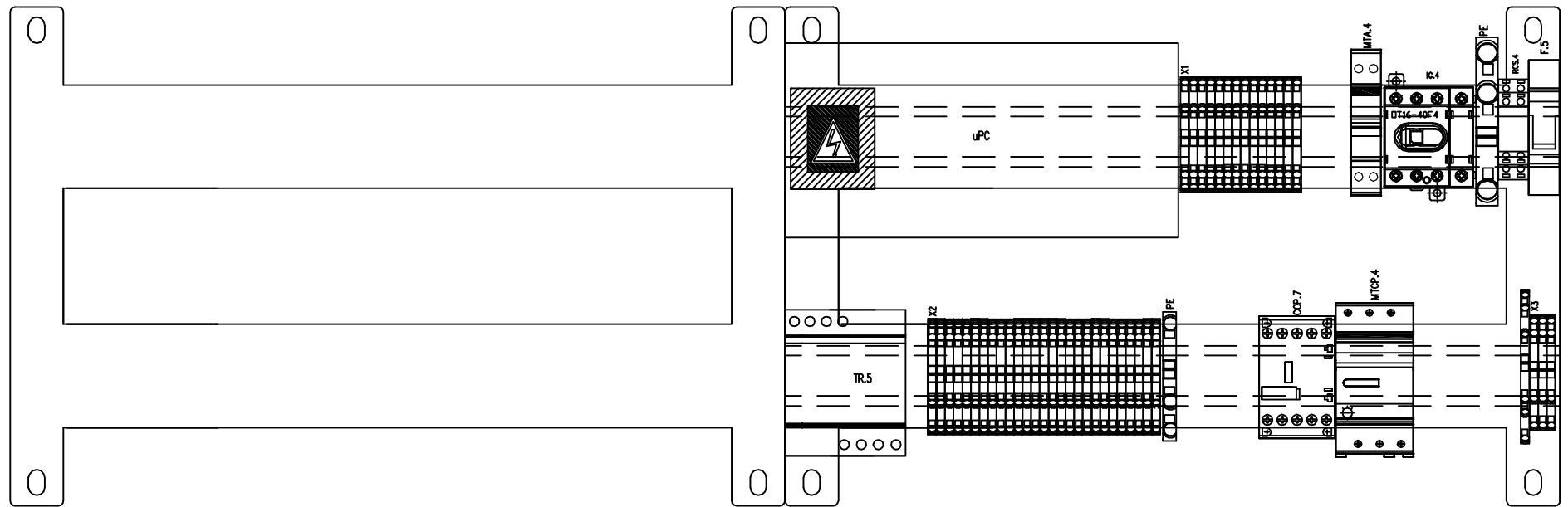
# WRL

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| SEQUE       |     | SUITE          |
| NEXT PAGE   | 14C | WEITERE        |
| TOT. FOGLI  |     | TOTAL FEUILLES |
| TOTAL PAGES | 38  | BLÄTTER GESAMT |

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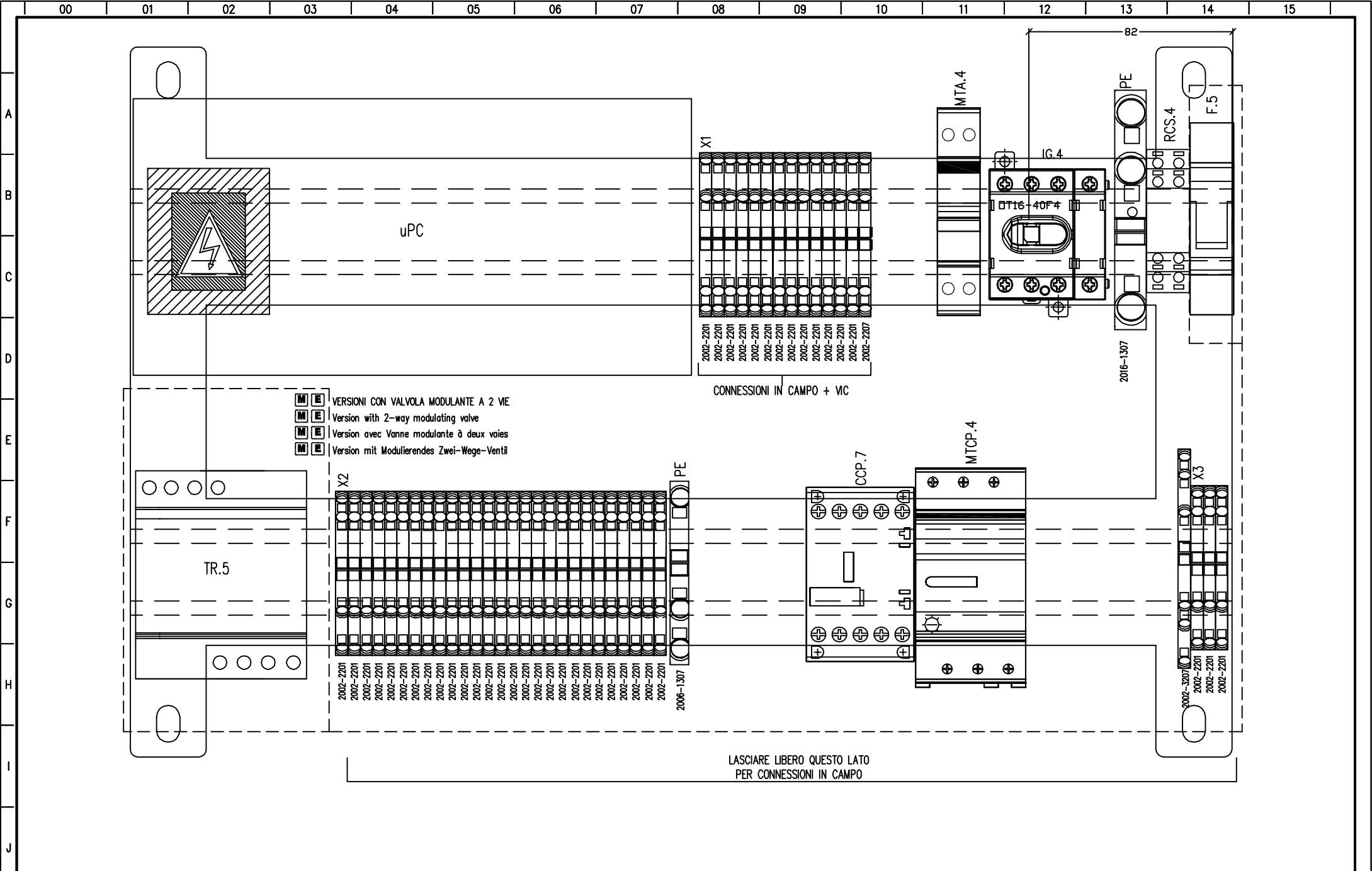
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|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                          | TECHNICAL DATA BOX                                                                             | DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                         |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                        | DIMENSION                                                                                      | DIMENSION                                                                                          | ABMESSUNGEN                                                                              |
| Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                | height: 350<br>Width: 1040<br>Deep: 160                                                        | Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                   | Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                   |
| NOTE                                                                                              | NOTES                                                                                          | NOTE                                                                                               | BEMERKUNGEN                                                                              |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



☒ VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE  
☒ Version with Storage + 2-way modulating valve

☒ Version avec Stockage + Vanne modulante à deux voies  
☒ Version mit Lagerung + Modulierendes Zwei-Wege-Ventil



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00932()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00932()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00932()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00932()

FOLIO  
PAGE

14D

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-413

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

TOT. FOGLI  
TOTAL PAGES  
38

SUITE  
NEXT PAGE  
14E  
TOTAL FEUILLES  
BLÄTTER GESAMT



|                                                       |           |           |        |
|-------------------------------------------------------|-----------|-----------|--------|
| POMPA TRIFASE                                         |           |           | WRL050 |
| Quadro elettrico                                      |           | REV       |        |
| cod.                                                  | 2E00933   | 1         |        |
| cod.                                                  | 2E00933A  | 1         | A      |
| cod.                                                  | 2E00933M  | 1         | M      |
| cod.                                                  | 2E00933E  | 1         | E      |
|                                                       |           |           |        |
| rif.                                                  | 2E00787_2 | 2E00857_3 |        |
| lotto                                                 | nr.: XXXX |           |        |
| VERS.                                                 |           |           |        |
| SI SOFTSTARTER – SI MOTOPOMPE – X=VALVOLA ELETTRONICA |           |           |        |

|                                                                              |                                                                           |                                                                                 |                                                                                  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE                                     | <input type="checkbox"/> Standard Board                                   | <input type="checkbox"/> Tableau standard                                       | <input type="checkbox"/> serienmäßig schalttafel                                 |
| <input checked="" type="checkbox"/> A VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> A Version with Storage                | <input checked="" type="checkbox"/> A Version avec Stockage                     | <input checked="" type="checkbox"/> A Version mit Lagerung                       |
| <input checked="" type="checkbox"/> M VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> M Version with 2-way modulating valve | <input checked="" type="checkbox"/> M Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> M Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> E A + M                                  | <input checked="" type="checkbox"/> E A + M                               | <input checked="" type="checkbox"/> E A + M                                     | <input checked="" type="checkbox"/> E A + M                                      |

|                        |  |                     |  |                      |  |
|------------------------|--|---------------------|--|----------------------|--|
| WRL                    |  |                     |  |                      |  |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |  |
| COD. ARTICOLO          |  | Article Code        |  | 2E009330_01 03/03/11 |  |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE - 50 Hz 400V  |  |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V 400 Hz 50          |  |
| POMPA DI CALORE WRL050 |  | Heat Pump WRL050    |  | A Max 15,3           |  |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP 2x                |  |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 |  |

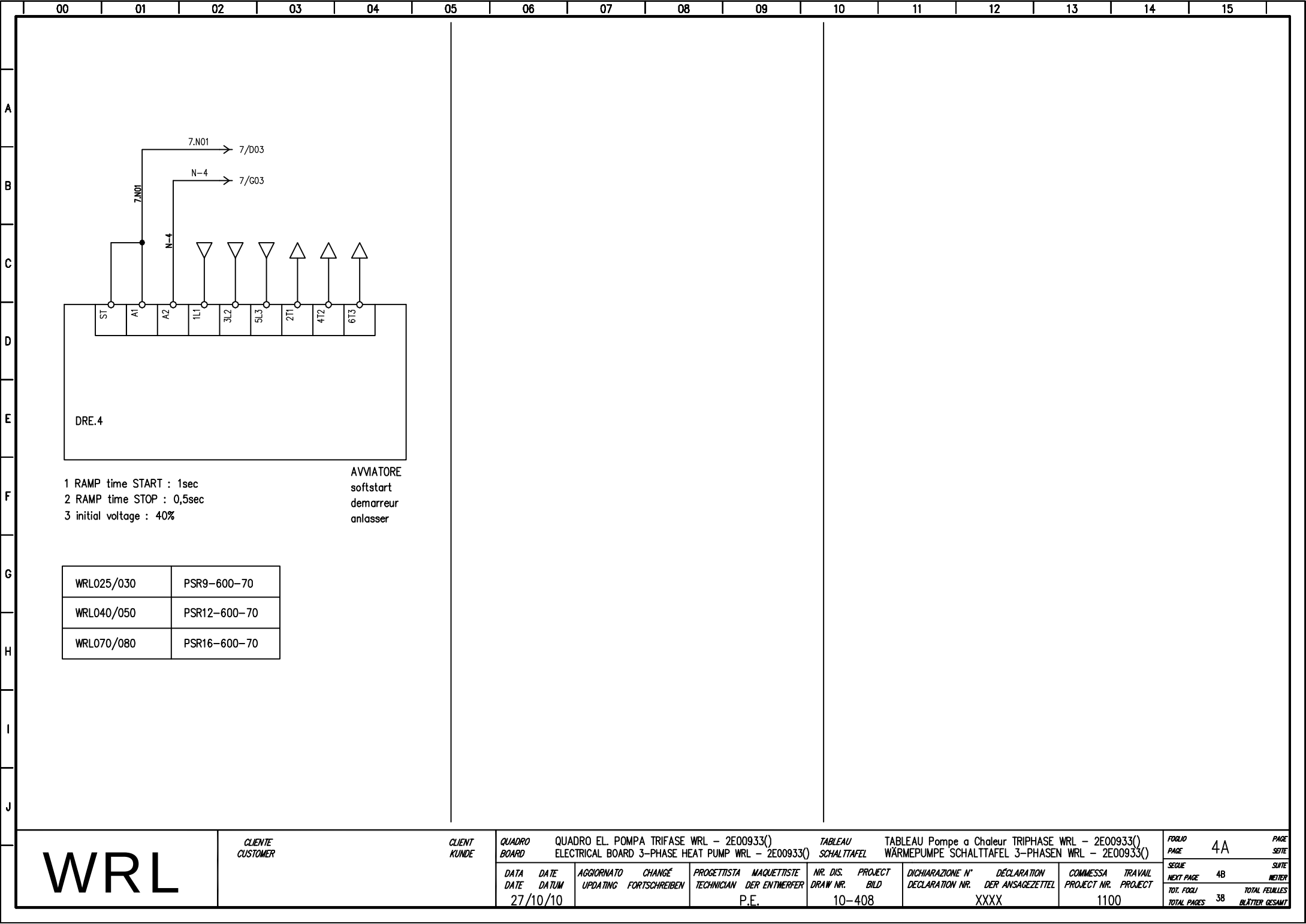
|                        |  |                     |  |                      |  |
|------------------------|--|---------------------|--|----------------------|--|
| WRL                    |  |                     |  |                      |  |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |  |
| Code Article           |  | Artikelcode         |  | 2E009330_01 03/03/11 |  |
| Alimentation           |  | Stromversorgung     |  | 3/N/PE - 50 Hz 400V  |  |
| Tension Nominale       |  | Nennspannung        |  | V 400 Hz 50          |  |
| Pompe a Chaleur WRL050 |  | Wärmepumpe WRL050   |  | A Max 15,3           |  |
| Degré de protection    |  | Schutzgrad          |  | IP 2x                |  |
| Note                   |  | Anmerkungen:        |  | XXXX                 |  |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/10/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉ    | CONTRÔLÉ      |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMEN  | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD              |
|                                                                                                                                                      |                 | 10-408                       |                              |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                |
|                                                                                                                                                      |                 | 27/10/10                     |                              |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN      |
|                                                                                                                                                      |                 |                              |                              |
| QUADRO<br>BOARD                                                                                                                                      | 2E00933         | TABLEAU<br>SCHALTAFEL        | COMMESSA<br>PROJECT NR.      |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 | 1100                         |                              |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION |                              |
|                                                                                                                                                      |                 | XXXX                         |                              |

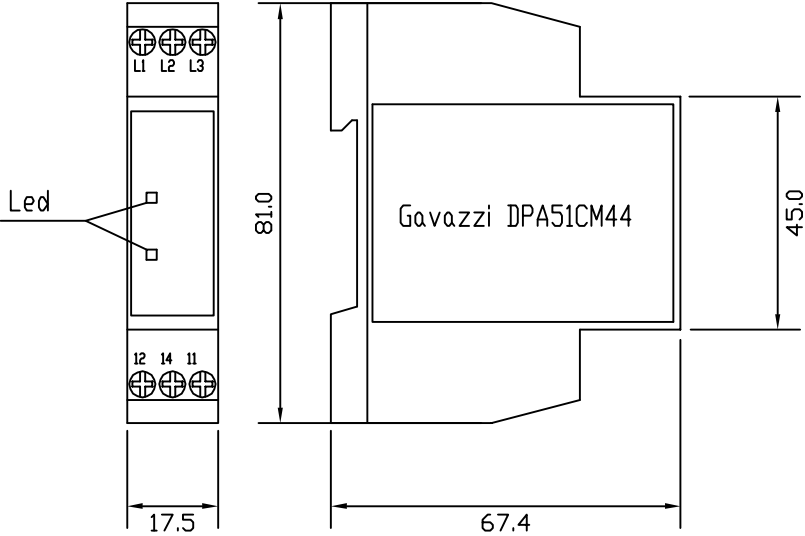
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| A | O/I<br>AE<br>AL<br>ALDEO<br>ALSAN<br>ALUMP<br>BL<br>COP<br>CP<br>CIMO<br>RCORE<br>RCORES<br>DCP                                                                                                                                                                                                                                                                                            | INTERRUTTORE ACCESSO/SPENTO<br>ALLARME ESTERNO<br>ALLARME<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>CONTATTORE COMPRESSORE<br>COMPRESSORE<br>CONTATTORE MOTOPOMPA<br>RELE' CALDAIA/RESISTENZA IMPIANTO<br>RELE' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE<br>DEUMIDIFICATORE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Switch On Off<br>remote alarm<br>alarm<br>alarm dehumidifier<br>health alert<br>boiler/heater alarm<br>blue<br>compressor contactor<br>compressor<br>pump contactor<br>relay boiler / heating system<br>health alert<br>low ambient temperature device<br>dehumidifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudière/système de chauffage<br>relay chaudière de chauffage de santé<br>dispositif pour basse température<br>dehumidificateur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pompe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank Widerstände<br>winterregelung<br>entfeuchters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                                                                                                                                                                                                                                                                                                                                                | AP<br>BP<br>FL<br>EXV<br>FLGEO<br>FLUMP<br>MAP<br>MBP<br>KSAE<br>SAC<br>SIIM<br>SGP<br>SGEO<br>SIW<br>SIWH<br>SRIM<br>SSAN<br>SUGEO<br>SIUM<br>SUR<br>SUW<br>SUWH<br>SSM<br>TAP<br>TBP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PRESSOSTATO DI ALTA<br>PRESSOSTATO DI BASSA<br>FLUSSOSTATO<br>VALVOLA ELETTRONICA<br>FLUSSOSTATO GEOTERMICO<br>FLUSSOSTATO IMPIANTO<br>MORSETTIERA PRESSOSTATO DI ALTA<br>MORSETTIERA PRESSOSTATO DI BASSA<br>SONDA ARIA ESTERNA<br>SONDA ASPIRAZIONE COMPRESSORE<br>SONDA INGRESSO IMPIANTO<br>SONDA GAS PREMENTE<br>SONDA INGRESSO GEOTERMICO<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA RITORNO IMPIANTO<br>SONDA SANITARIO<br>SONDA USCITA GEOTERMICO<br>SONDA USCITA IMPIANTO<br>SONDA USCITA RECUPERATORE<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA VALVOLA MISCELATRICE<br>TRASDUTTORE ALTA PRESSIONE<br>TRASDUTTORE BASSA PRESSIONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | "high pressure" control<br>pressure switch "low pressure"<br>flowswitch<br>electronic electrovalve<br>geothermal flowswitch<br>system flowswitch<br>pressure switch "high pressure" clamps<br>pressure switch "low pressure" clamps<br>ambient air probe<br>air compressor suction probe<br>input system probe<br>discharge pipe sensor<br>input geothermal probe<br>water inlet probe (NTC)<br>water inlet probe (NTC)<br>output system probe<br>probe health<br>output geothermal probe<br>output system probe<br>recovery outlet probe<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>mixing valve probe<br>high pressure trasducer<br>low pressure trasducer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | pressostat "haut pression"<br>pressostat "basse pression"<br>fluxostat<br>commande de electrovalve electronique<br>débitbêtre géothermie<br>débitbêtre de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air extérieur<br>sonde d'aspiration de compresseur<br>sonde de entrées installation<br>sonde sur refolement<br>sonde entree géothermique<br>sonde entree eau (NTC)<br>sonde entree eau (NTC)<br>sonde de sorties installation<br>sonde de santé<br>sonde sortie géothermique<br>sonde sortie installation<br>sonde sortie recuperation<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde robinet mélange<br>trasducteur haute pression<br>trasducteur basse pression                                                                                                                                                                                                                                                                                                                                                                                                                        | hochdruckpressostat<br>druckschalter "niedrig druck"<br>strommesswaechter<br>startsteuerung ventilelektronic<br>Geothermie strömungsschalter<br>Anlage strömungsschalter<br>druckschalter "hoch druck" klemmen<br>druckschalter "niedrig druck" klemmen<br>außenluftfühler<br>kompressor saugsonde<br>sensor zwei anlage<br>fühler-druckleitung<br>geothermie sensor<br>fühler-wassereintritt (NTC)<br>fühler-wassereintritt (NTC)<br>Ausgang Wärmetauscher sensor<br>probe gesundheit<br>ausgang erdwärmesonde<br>sensor ausgang anlage<br>regenerator fñher-austritt<br>fühler-wasseraustritt (NTC)<br>fühler-wasseraustritt (NTC)<br>mischerventil probe<br>HD-drucktransmitter<br>ND-drucktransmitter                                                                                                                                                                                                                                                                                                                                                                              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| B | DRE<br>F<br>FRC<br>IG<br>L<br>M<br>MA<br>MCN<br>MPO1<br>MPO2<br>MPO3<br>MRTF<br>MSN<br>MTA<br>MTMPO<br>MTOP<br>MTR<br>N<br>NE<br>PE<br>PD<br>PDH<br>RPMIXI<br>PR<br>R<br>RAP<br>RC<br>RCP<br>RCS<br>RE<br>RER<br>RIMO<br>RI<br>RYSE<br>RX<br>SET<br>SIC<br>TEP<br>TGP<br>TR<br>TP<br>TSME<br>TSRE<br>TSRI<br>TSVSE<br>TV<br>V3VF<br>V3VS<br>VIC<br>VLS<br>VMD<br>VMS<br>VMDX1<br>VS<br>VSE | MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | MORSETTIERA REG. 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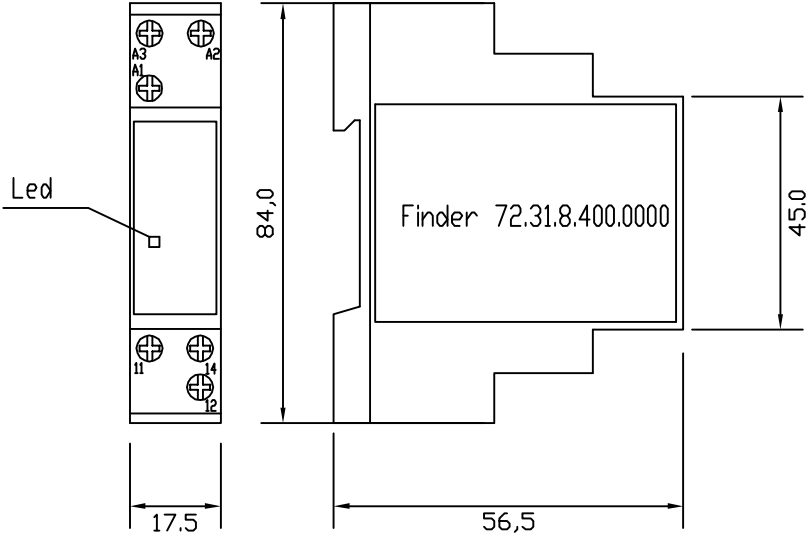
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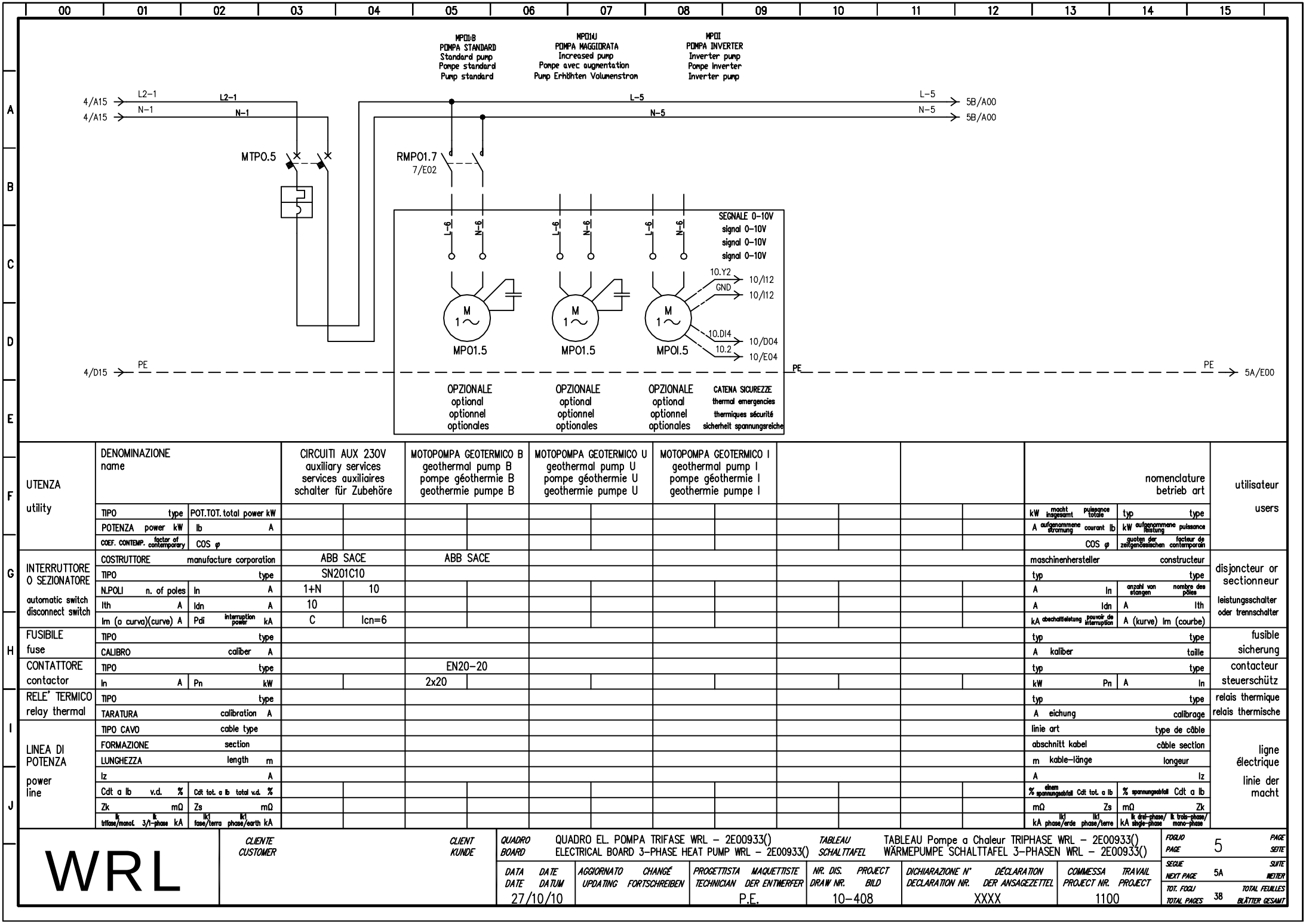
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|                                                                            |                                             |  |                         |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  |                                                   |                                                        |                                         |                     |
|----------------------------------------------------------------------------|---------------------------------------------|--|-------------------------|------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|--|--|--|--|---------------------------------------------------|--------------------------------------------------------|-----------------------------------------|---------------------|
| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                       |  |                         | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |                       | MOTOPOMPA GEOTERMICO B<br>geothermal pump B<br>pompe géothermie B<br>geothermie pompe B |      | MOTOPOMPA GEOTERMICO U<br>geothermal pump U<br>pompe géothermie U<br>geothermie pompe U |  | MOTOPOMPA GEOTERMICO I<br>geothermal pump I<br>pompe géothermie I<br>geothermie pompe I |  |  |  |  |  | nomenclature<br>betrieb art                       |                                                        | utilisateur                             |                     |
|                                                                            | TIPO type                                   |  | POT.TOT. total power kW |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | kW macht insgesamt<br>puissance totale            | typ type                                               | users                                   |                     |
|                                                                            | POTENZA power kW                            |  | lb                      | A                                                                                        |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | A aufgenommene<br>stromung                        | lb courant<br>kW aufgenommene<br>puissance<br>leistung |                                         |                     |
|                                                                            | COEF. CONTEMP. factor of<br>contemporaneity |  | COS φ                   |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | COS φ                                             | qualität der<br>zeitgleichzeitigen<br>contemporan      |                                         |                     |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE manufacture corporation         |  |                         | ABB SACE                                                                                 |                       | ABB SACE                                                                                |      |                                                                                         |  |                                                                                         |  |  |  |  |  | maschinenhersteller<br>constructeur               |                                                        | disjoncteur or<br>sectionneur           |                     |
|                                                                            | TIPO type                                   |  |                         |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  |                                                   | typ type                                               | leistungsschalter<br>oder trennschalter |                     |
|                                                                            | N.POLI n. of poles                          |  | In                      | A                                                                                        | 1+N                   | 10                                                                                      |      |                                                                                         |  |                                                                                         |  |  |  |  |  | A                                                 | In                                                     | anzahl von<br>erzangen                  | nombre des<br>pôles |
|                                                                            | Ith                                         |  | A                       | Idn                                                                                      | A                     | 10                                                                                      |      |                                                                                         |  |                                                                                         |  |  |  |  |  | A                                                 | Idn                                                    | A                                       | Ith                 |
|                                                                            | Im (o curva)(curve)                         |  | A                       | Pdi                                                                                      | interruption<br>power | kA                                                                                      | C    | lcn=6                                                                                   |  |                                                                                         |  |  |  |  |  | kA abschaltleistung<br>pouvoir de<br>interruption | A (kurve) Im (courbe)                                  |                                         |                     |
| FUSIBILE<br>fuse                                                           | TIPO type                                   |  |                         |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | typ type                                          |                                                        | fusible                                 |                     |
|                                                                            | CALIBRO caliber                             |  | A                       |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | A kaliber                                         | taille                                                 | sicherung                               |                     |
| CONTATTORE<br>contactor                                                    | TIPO type                                   |  |                         |                                                                                          | EN20-20               |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | typ type                                          |                                                        | contacteur                              |                     |
|                                                                            | In                                          |  | A                       | Pn                                                                                       | kW                    |                                                                                         | 2x20 |                                                                                         |  |                                                                                         |  |  |  |  |  | kW                                                | Pn                                                     | A                                       | In                  |
| RELE' TERMICO<br>relay thermal                                             | TIPO type                                   |  |                         |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | typ type                                          |                                                        | relais thermique                        |                     |
|                                                                            | TARATURA calibration                        |  | A                       |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | A eichung                                         | calibrage                                              | relais thermische                       |                     |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TIPO CAVO cable type                        |  |                         |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | linie art                                         | type de câble                                          | ligne<br>électrique                     |                     |
|                                                                            | FORMAZIONE section                          |  |                         |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | abschnitt kabel                                   | câble section                                          |                                         |                     |
|                                                                            | LUNGHEZZA length                            |  | m                       |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | m kable-länge                                     | longueur                                               |                                         |                     |
|                                                                            | Iz                                          |  | A                       |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | A                                                 | Iz                                                     |                                         |                     |
|                                                                            | Cdt a lb                                    |  | v.d.                    | %                                                                                        | Cdt tot. a lb         | total v.d.                                                                              | %    |                                                                                         |  |                                                                                         |  |  |  |  |  | ohne<br>% spannungsdifferential                   | Cdt tot. a lb                                          | % spannungsdifferential                 | Cdt a lb            |
|                                                                            | Zk                                          |  | mΩ                      | Zs                                                                                       | mΩ                    |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |  | mΩ                                                | Zs                                                     | mΩ                                      | Zk                  |
|                                                                            | Ik1<br>Iphase/monof.                        |  | Ik1<br>3/I-phase        | kA                                                                                       | Ik1<br>Iphase/terre   | Ik1<br>phase/earth                                                                      | kA   |                                                                                         |  |                                                                                         |  |  |  |  |  | kA phase/erde<br>phase/terre                      | Ik1<br>Iphase/terre                                    | Ik1<br>3/I-phase<br>Iphase/terre        | Ik1<br>Iphase/terre |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00933()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00933()

TAFEL  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00933()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00933()

FOLIO  
PAGE

5

PAGE  
SEITE

DATA  
DATE

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AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTA  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DECLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

1100

SEQUE  
NEXT PAGE

5A

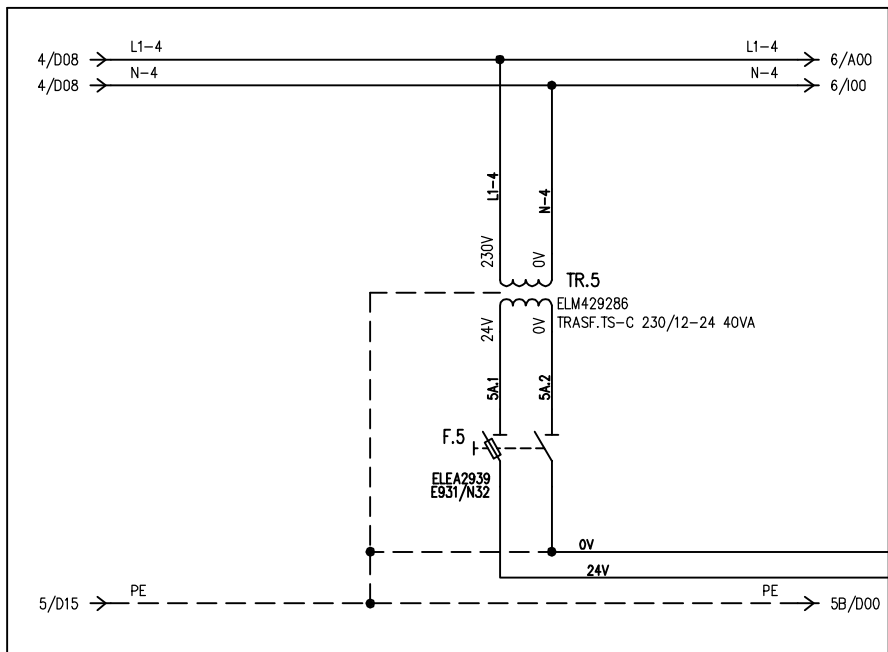
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TOTAL PAGES

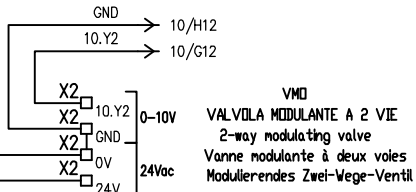
38

TOTAL FEUILLES  
BLATTIER GESAMT

A  
B  
C  
D  
E



**M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE  
**M E** Version with 2-way modulating valve  
**M E** Version avec Vanne modulante à deux voies  
**M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |            | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |     |     |     |     |     |     |     | nomenclature<br>betrieb art         |                                                | utilisateur<br><br>users      |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
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|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     | kW                                  | macht insgesamt                                | puissance totale              | typ                        | type                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |            |                                                                                    |     |     |     |     |     |     |     | A                                   | aufgenommene<br>stromung                       | courant lb                    | kW                         | aufgenommene<br>leistung |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     |                                     | COS φ                                          | guten der<br>zeitgleichsichen | facteur de<br>contemporain |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |            |                                                                                    |     |     |     |     |     |     |     | maschinenhersteller<br>constructeur |                                                | disjoncteur or<br>sectionneur |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                | type                          |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N        |                                                                                    |     |     |     |     |     |     |     | A                                   | In                                             | anzahl von<br>stangen         | nombre des<br>pôles        |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |            |                                                                                    |     |     |     |     |     |     |     | A                                   | Idn                                            | A                             | Ith                        |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA         |                                                                                    |     |     |     |     |     |     |     | kA                                  | abschaltleistung<br>pouvoir de<br>interruption | A (kurve)                     | Im (courbe)                |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                | type                          |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CONTATTORE<br>contactor                                                    | CALIBRO                                | caliber                   |                         | 2A gL                                                                                   |            |                                                                                    |     |     |     |     |     |     |     | A                                   |                                                | kaliber                       |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                | type                          |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| RELE" TERMICO<br>relay thermal                                             | In                                     | A                         | Pn                      | kW                                                                                      |            |                                                                                    |     |     |     |     |     |     |     | kW                                  | Pn                                             | A                             | In                         |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     | typ                                 |                                                | type                          |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TARATURA                               |                           |                         | calibration                                                                             |            | A                                                                                  |     |     |     |     |     |     |     | A                                   |                                                | eichung                       |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | TIPO CAVO                              |                           |                         | cable type                                                                              |            |                                                                                    |     |     |     |     |     |     |     | linie art                           |                                                | type de câble                 |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | FORMAZIONE                             |                           |                         | section                                                                                 |            |                                                                                    |     |     |     |     |     |     |     | abschnitt kabel                     |                                                | câble section                 |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | LUNGHEZZA                              |                           |                         | length                                                                                  |            | m                                                                                  |     |     |     |     |     |     |     | m                                   |                                                | kable-länge                   |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | Iz                                     |                           |                         | A                                                                                       |            |                                                                                    |     |     |     |     |     |     |     | A                                   |                                                | Iz                            |                            |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d. | %                                                                                  |     |     |     |     |     |     |     |                                     | %                                              | spannungsfaktor               | Cdt tot. a lb              |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | Zk                                     | mΩ                        | Zs                      | mΩ                                                                                      |            |                                                                                    |     |     |     |     |     |     |     |                                     | mΩ                                             | Zs                            | mΩ                         |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            | Ik1                                    | Ik1                       | Ik1                     | Ik1                                                                                     | Ik1        | Ik1                                                                                | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1                                 | kA                                             | Ik1                           | Ik1                        |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                                                            |                                        |                           |                         |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     |                                     | kA                                             |                               | phase/phase/terre          | Ik1                      | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 |

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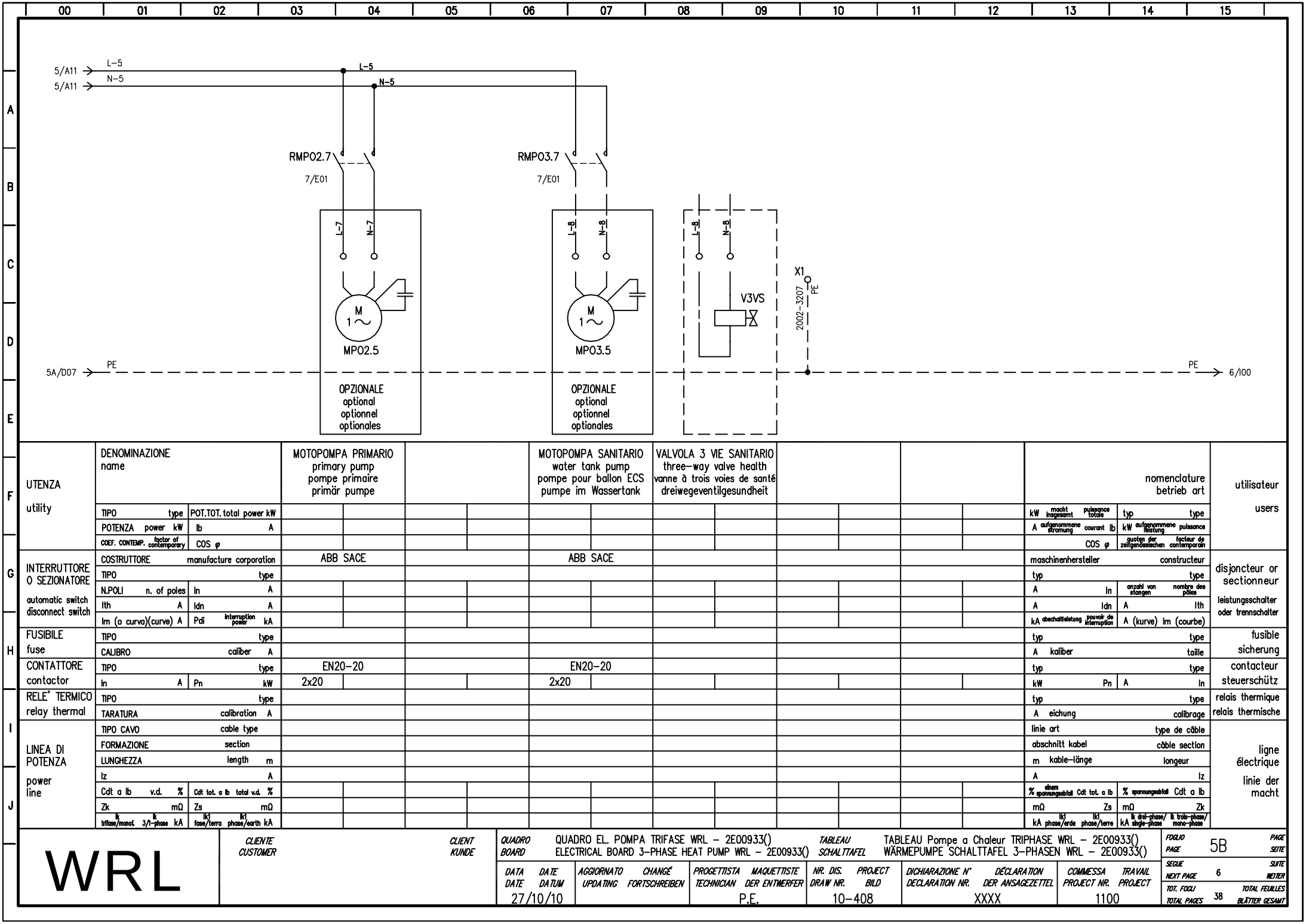
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DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT PROJECT  
1100

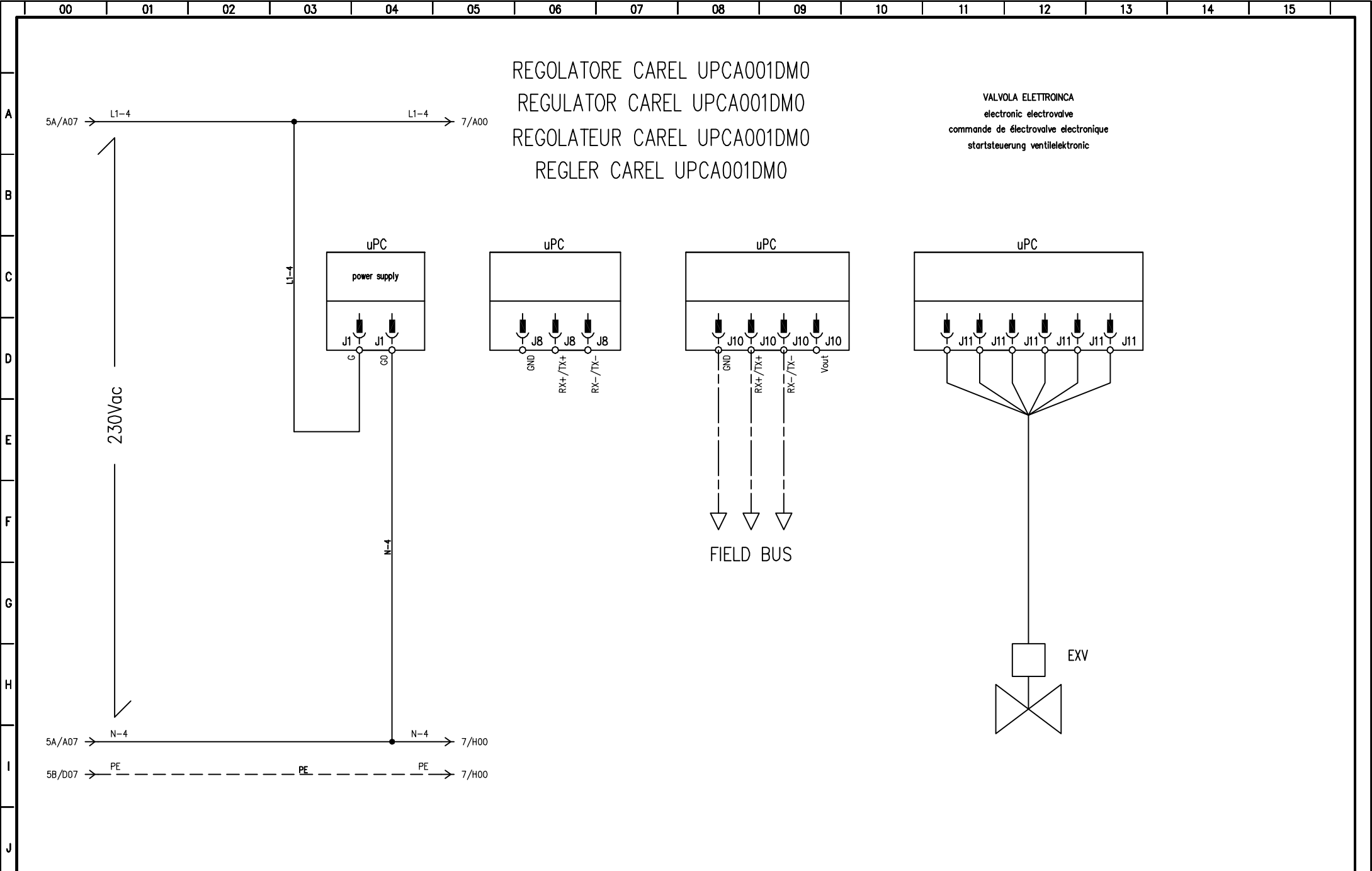
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TOT. FOLII  
TOTAL PAGES  
38

SUITE  
FEUILLES  
BLATTIER GESAMT







REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00933()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00933()

TABEAO  
SCHALTAFEL

TABEAO Pompe a Chaleur TRIPHASE WRL - 2E00933()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00933()

FOLIO  
PAGE

6

PAGE  
SEITE

DATA  
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27/10/10

AGGIORNATO  
UPDATING  
CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN  
MAQUETTISTA  
DER ENTWERFER  
P.E.

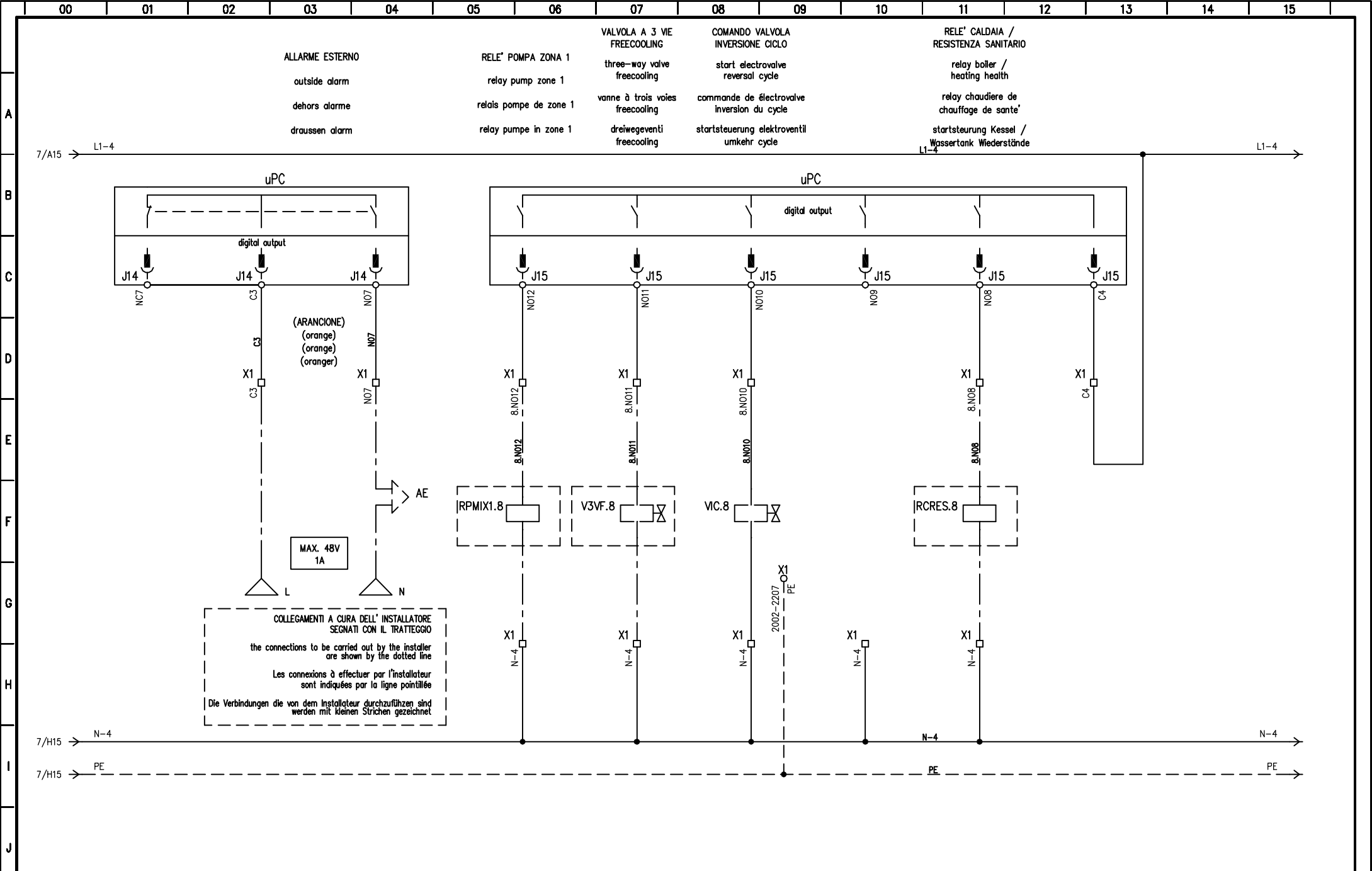
NR. DIS.  
DRAW NR.  
PROJECT  
BILD  
10-408

DICHIARAZIONE N°  
DECLARATION NR.  
DER ANSAGEZETTEL  
XXXX

COMMESSA  
PROJECT NR.  
TRAVAIL  
PROJECT  
1100

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TOT. FOGLI  
TOTAL PAGES  
7  
38  
SUITE  
FEUILLES  
BLÄTTER GESAMT





WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00933()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00933()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00933()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00933()

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SEITE

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DATA  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTA  
DER ENTWERFER

NR. DIS.  
DRAW NR. 10-408

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR. XXXX

DECLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR. 1100

TRAVAIL  
PROJECT

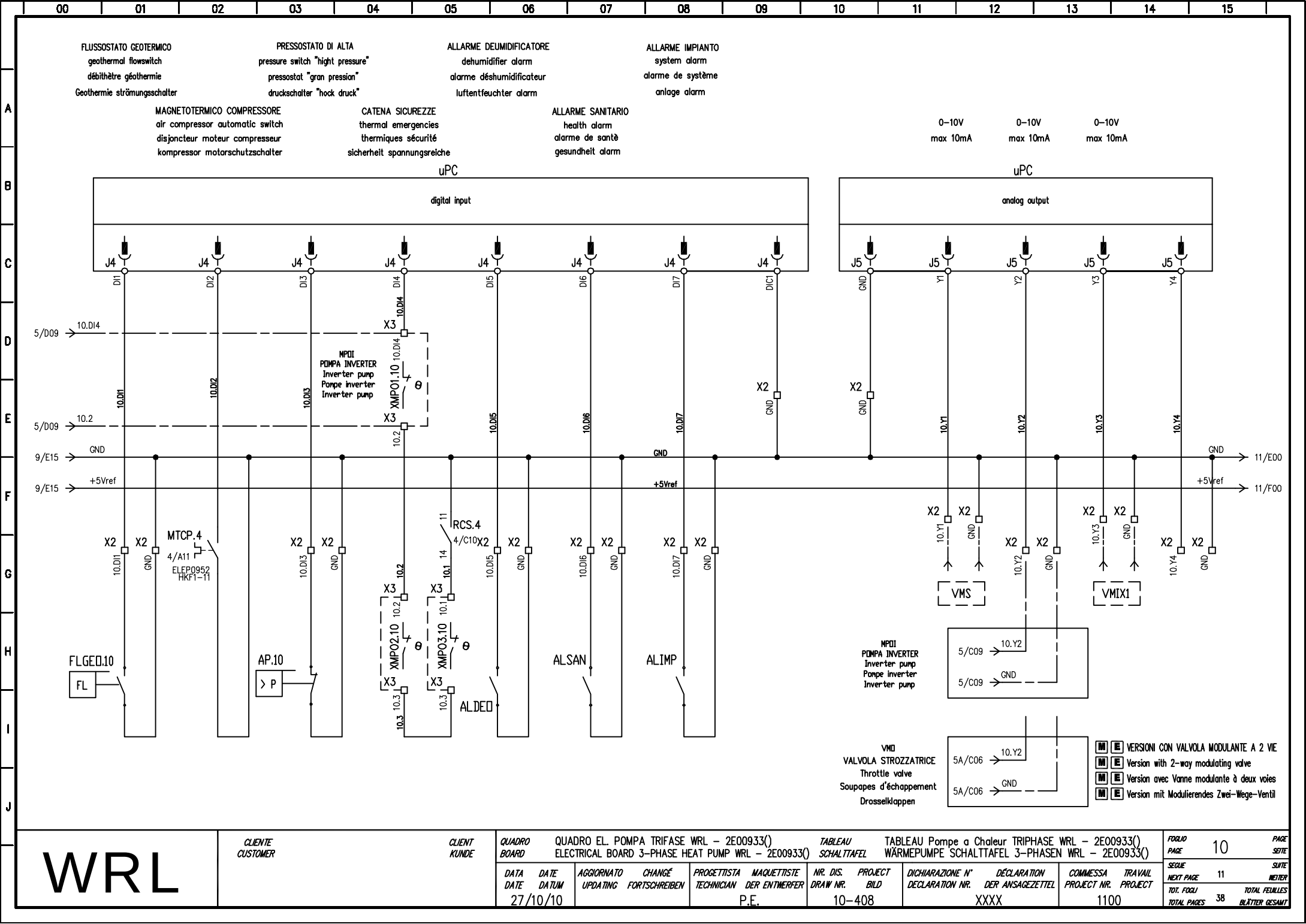
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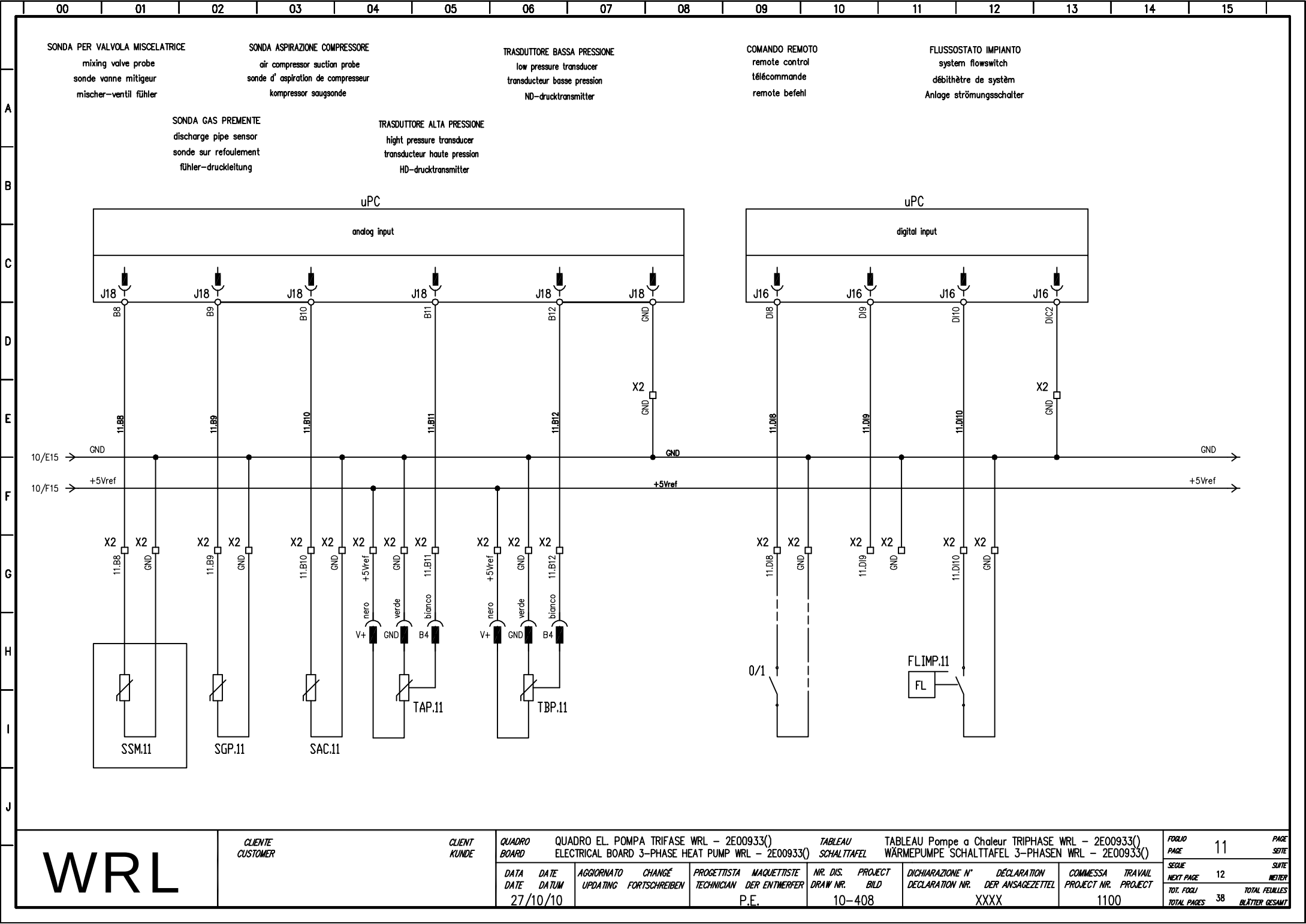
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TOTAL FEUILLES  
BLÄTTER GESAMT









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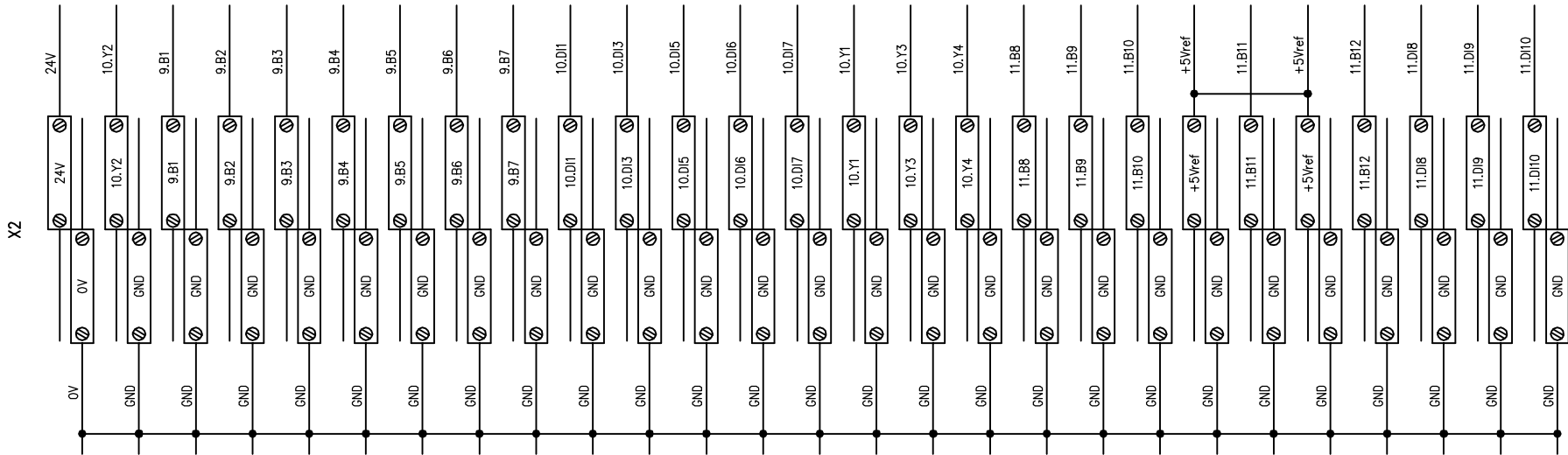
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J

MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00933()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00933()

TABE  
SCHALT

TABE  
WÄRM

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DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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14

SUITE  
WEITER

TOT. FOGLI  
TOTAL PAGES

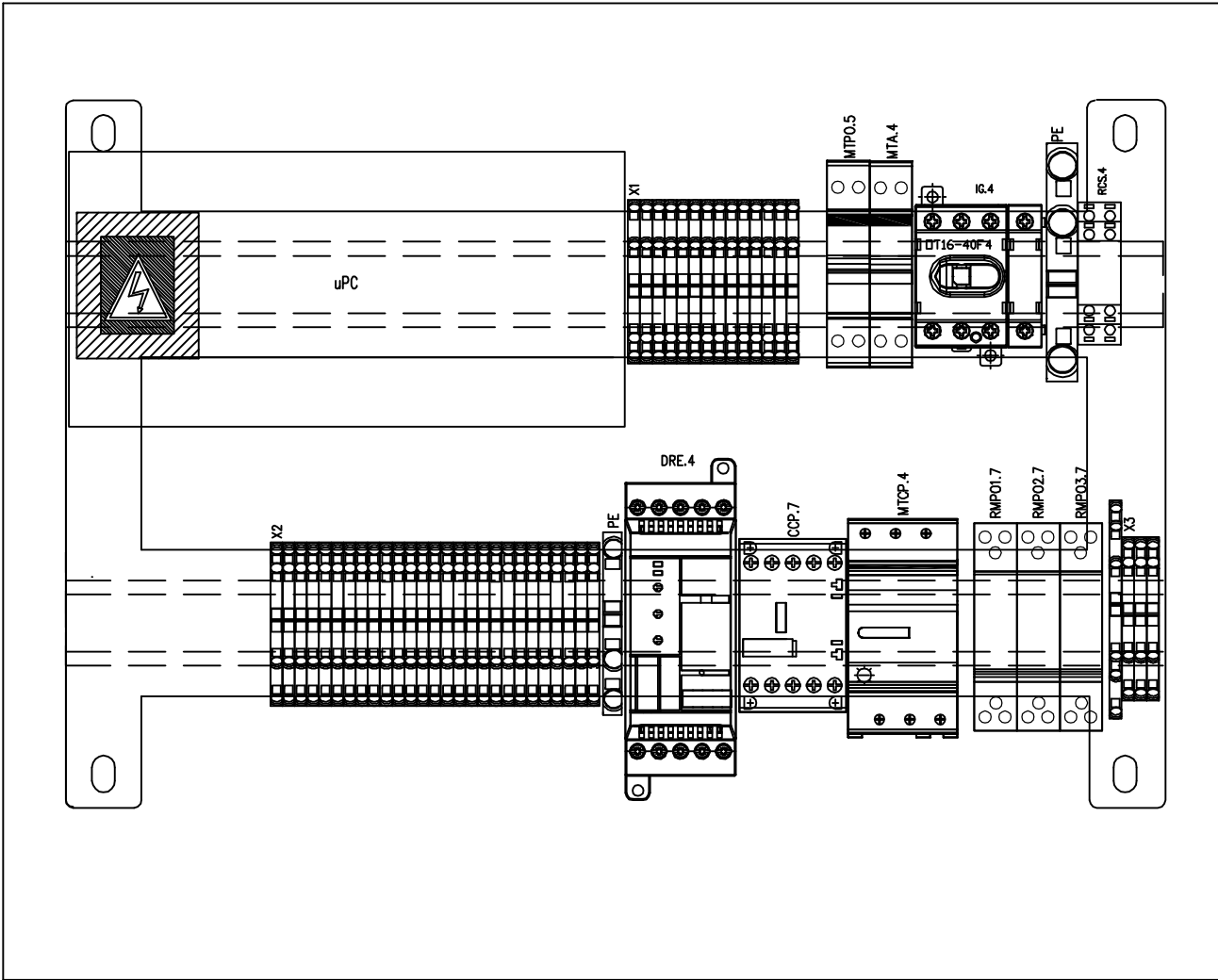
38

TOTAL FEUILLES  
BLÄTTER GESAMT



A  
B  
C  
D  
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J

VISTA INTERNA  
fore sight internal  
vue extérieure  
innenansicht



|                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                                                            | TECHNICAL DATA BOX                                                                                                           |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /                                   | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                               |
| DIMENSIONI                                                                                                                          | DIMENSION                                                                                                                    |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                                                  | height: 350<br>Width: 500<br>Deep: 160                                                                                       |
| NOTE                                                                                                                                | NOTES                                                                                                                        |
| DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSION                                                                                                                           | ABMESSUNGEN                                                                                                                  |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                                     | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                                        |
| NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

☐ QUADRO DI SERIE

☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel

Technical drawing of a control cabinet layout, showing the arrangement of components and their dimensions. The layout is divided into two main sections: a top section for power supply and control, and a bottom section for terminal blocks and modules.

**Top Section Components:**

- TR.5:** Terminal block, 5 positions.
- uPC:** Universal Power Controller, 10 positions.
- X1:** Terminal block, 10 positions.
- IG.4:** Input/Output module, 4 positions.
- MTA.4:** Motor Terminal Block, 4 positions.
- MTPO.5:** Motor Terminal Block, 5 positions.
- PE:** Protective Earth terminal.
- RES.4:** Resistor module, 4 positions.
- F.5:** Fuse, 5 positions.

**Bottom Section Components:**

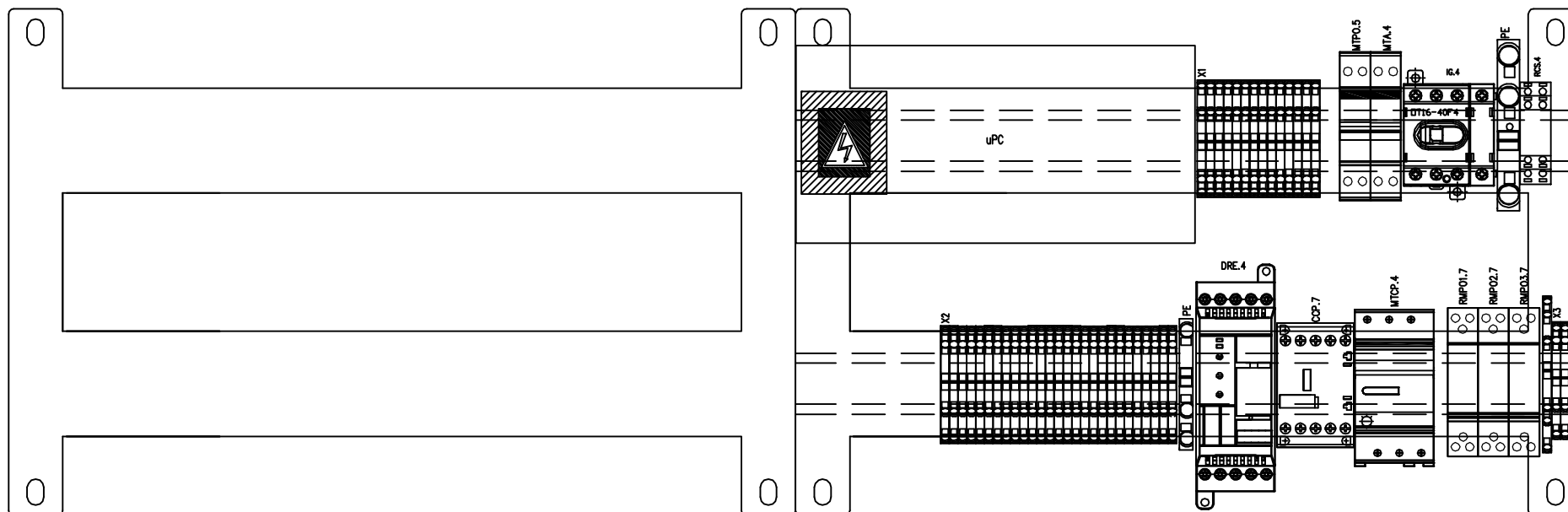
- X2:** Terminal block, 10 positions.
- DRE.4:** Digital Readout module, 4 positions.
- CCP.7:** Control Circuit Processor, 7 positions.
- MTCP.4:** Motor Terminal Block, 4 positions.
- RMPO1.7:** Remote Motor Power Output, 7 positions.
- RMPO2.7:** Remote Motor Power Output, 7 positions.
- RMPO3.7:** Remote Motor Power Output, 7 positions.
- X3:** Terminal block, 10 positions.

**Dimensions:**

- 100:** Overall width of the top section.
- 100:** Overall width of the bottom section.
- 100:** Overall height of the top section.
- 100:** Overall height of the bottom section.

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version avec Vanne modulante à deux voies  |
| <b>M</b> Version with 2-way modulating valve    | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



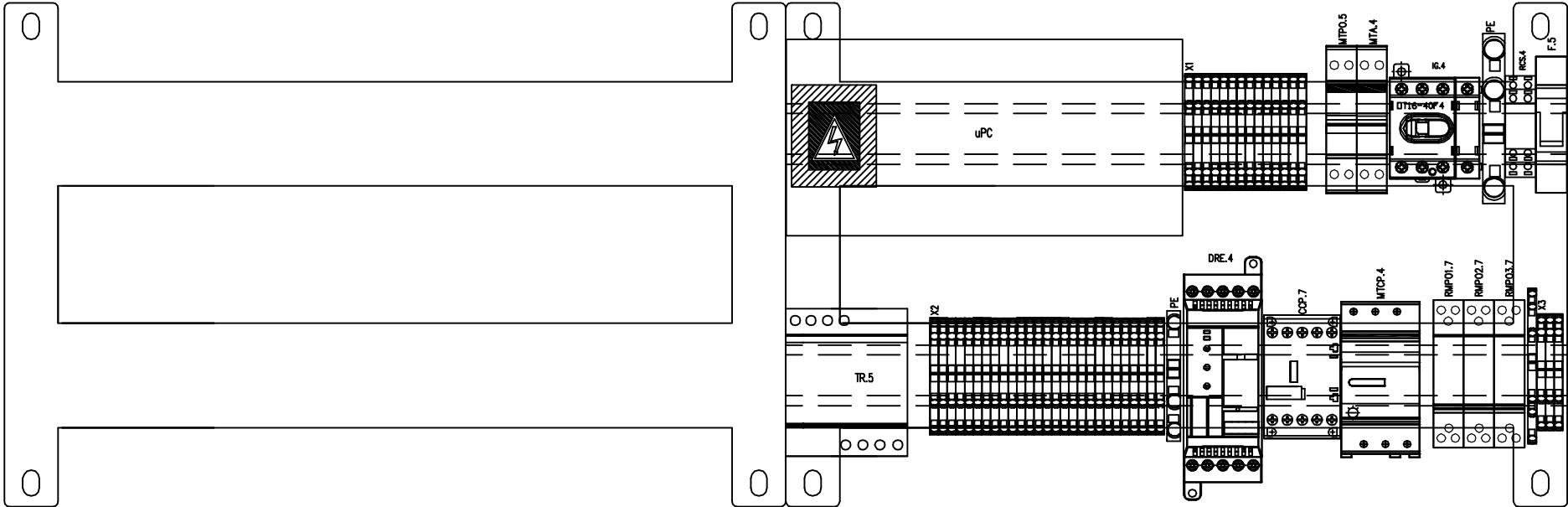
# WRL

TOTAL FEUILLES  
BLÄTTER GESAMT

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

|                                                                                                   |                                                                                                |                                                                                                    |                                                                                          |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                          | TECHNICAL DATA BOX                                                                             | DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                         |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                        | DIMENSION                                                                                      | DIMENSION                                                                                          | ABMESSUNGEN                                                                              |
| Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                | height: 350<br>Width: 1040<br>Deep: 160                                                        | Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                   | Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                   |
| NOTE                                                                                              | NOTES                                                                                          | NOTE                                                                                               | BEMERKUNGEN                                                                              |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



**E** VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE  
**E** Version with Storage + 2-way modulating valve

**E** Version avec Stockage + Vanne modulante à deux voies  
**E** Version mit Lagerung + Modulierendes Zwei-Wege-Ventil

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00933()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00933()

TABEALU  
SCHALTAFEL

TABEALU Pompe a Chaleur TRIPHASE WRL - 2E00933()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00933()

FOGLIO  
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DATA DATE  
DATE DATUM  
27/10/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

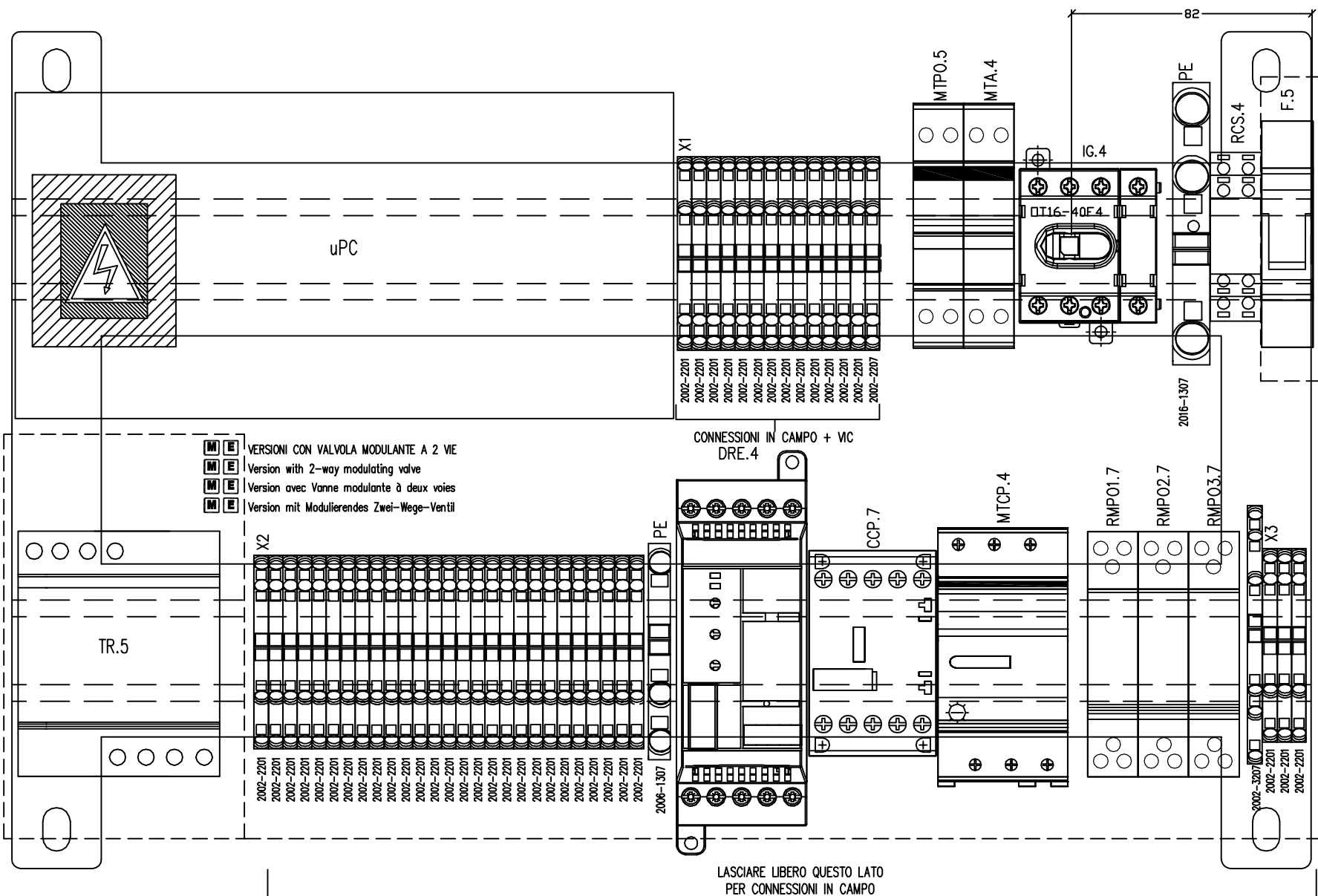
NR. DIS. PROJECT  
DRAW NR. BILD  
10-408

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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14D

SUITE  
METIER  
TOTAL FEUILLES  
BLÄTTER GESAMT  
38



- ☐ **M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- ☐ **M E** Version with 2-way modulating valve
- ☐ **M E** Version avec Vanne modulante à deux voies
- ☐ **M E** Version mit Modulierendes Zwei-Wege-Ventil

LASCIARE LIBERO QUESTO LATO  
PER CONNESSIONI IN CAMPO

# WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00933()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00933()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00933()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00933()

FOLIO  
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PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/10/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-408

DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE  
14E

SUITE  
METTER  
TOTAL FEUILLES  
BLÄTTER GESAMT  
38

|                                                       |            |           |        |
|-------------------------------------------------------|------------|-----------|--------|
| POMPA TRIFASE                                         |            |           | WRL050 |
| Quadro elettrico                                      |            | REV       |        |
| cod.                                                  | 2E00934    | 1         |        |
| cod.                                                  | 2E00934A   | 1         | A      |
| cod.                                                  | 2E00934M   | 1         | M      |
| cod.                                                  | 2E00934E   | 1         | E      |
|                                                       |            |           |        |
| rif.                                                  | 2E00787A_2 | 2E00857_3 |        |
| lotto                                                 | nr.: XXXX  |           |        |
| VERS.                                                 |            |           |        |
| NO SOFTSTARTER – SI MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |        |

|                                     |                                        |                                     |                                     |                                     |                                           |                                     |                                            |
|-------------------------------------|----------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------|--------------------------------------------|
| <input type="checkbox"/>            | QUADRO DI SERIE                        | <input type="checkbox"/>            | Standard Board                      | <input type="checkbox"/>            | Tableau standard                          | <input type="checkbox"/>            | serienmäßig schalttafel                    |
| <input checked="" type="checkbox"/> | VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> | Version with Storage                | <input checked="" type="checkbox"/> | Version avec Stockage                     | <input checked="" type="checkbox"/> | Version mit Lagerung                       |
| <input checked="" type="checkbox"/> | VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> | Version with 2-way modulating valve | <input checked="" type="checkbox"/> | Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> | Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> | A + M                                  | <input checked="" type="checkbox"/> | A + M                               | <input checked="" type="checkbox"/> | A + M                                     | <input checked="" type="checkbox"/> | A + M                                      |

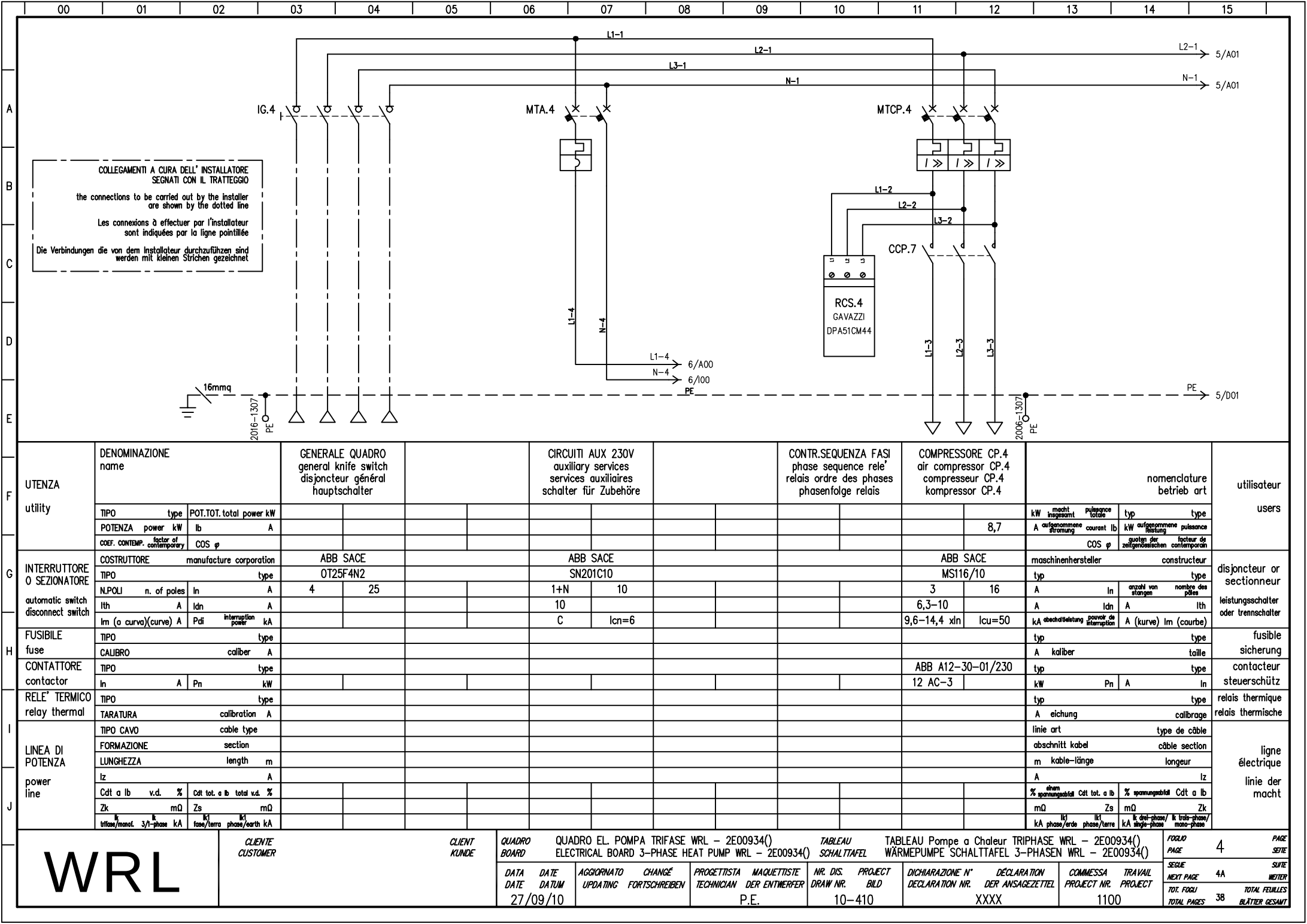
|                        |  |                     |  |                      |                |
|------------------------|--|---------------------|--|----------------------|----------------|
| WRL                    |  |                     |  |                      |                |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |                |
| COD. ARTICOLO          |  | Article Code        |  | 2E009340_01 03/03/11 |                |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE - 50 Hz 400V  |                |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V                    | 400 Hz 50      |
| POMPA DI CALORE WRL050 |  | Heat Pump WRL050    |  | A Max                | 15,3           |
|                        |  |                     |  |                      |                |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP                   | 2x             |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 | CEI EN 60335-1 |

|                        |  |                     |  |                      |                |
|------------------------|--|---------------------|--|----------------------|----------------|
| WRL                    |  |                     |  |                      |                |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |                |
| Code Article           |  | Artikelcode         |  | 2E009340_01 03/03/11 |                |
| Alimentation           |  | Stromversorgung     |  | 3/N/PE - 50 Hz 400V  |                |
| Tension Nominale       |  | Nennspannung        |  | V                    | 400 Hz 50      |
| Pompe à Chaleur WRL050 |  | Wärmepumpe WRL050   |  | A Max                | 15,3           |
|                        |  |                     |  |                      |                |
| Degré de protection    |  | Schutzgrad          |  | IP                   | 2x             |
| Note                   |  | Anmerkungen:        |  | XXXX                 | CEI EN 60335-1 |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉE     |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGEKOMMEN  | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|---------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD                 |
|                                                                                                                                                      |                 | 10-410                       |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                                                                                                                                                      |                 | 27/09/10                     |                                 |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00934                      | TABLEAU<br>SCHALTAFEL           |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe à Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 |                              |                                 |
|                                                                                                                                                      |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT              |
|                                                                                                                                                      |                 | 1100                         |                                 |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER    |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION | DECLARATION<br>DER ANSAGEZETTEL |
|                                                                                                                                                      |                 | XXXX                         |                                 |

|     | 00                                                                                                                                                                                                                                                                                                                                                                                         | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 05              | 06 | 07                                                                                             | 08                                                                                                                                                                                     | 09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 13                        | 14 | 15                           |  |                      |  |                |  |                                     |  |                                 |  |                         |  |                                |  |               |  |
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| A   |                                                                                                                                                                                                                                                                                                                                                                                            | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DEUTSCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |    |                                                                                                |                                                                                                                                                                                        | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DEUTSCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |    |                              |  |                      |  |                |  |                                     |  |                                 |  |                         |  |                                |  |               |  |
|     | O/I<br>AE<br>AL<br>ALDEO<br>ALSAN<br>ALUMP<br>BL<br>CCP<br>CP<br>CMPO<br>RCRE<br>RCRES<br>DCP                                                                                                                                                                                                                                                                                              | INTERRUTTORE ACCESO/SPENTO<br>ALLARME ESTERNO<br>ALLARME<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>CONTATTORE COMPRESSORE<br>COMPRESSORE<br>CONTATTORE MOTOPOMPA<br>RELE' CALDAIA/RESISTENZA IMPIANTO<br>RELE' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE<br>DEUMIDIFICATORE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Switch On Off<br>remote alarm<br>alarm<br>alarm dehumidifier<br>health alert<br>boiler/heater alarm<br>compressor contactor<br>compressor<br>pump contactor<br>relay boiler / heating system<br>relay boiler / heating health<br>low ambient temperature device<br>dehumidifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudière/système de chauffage<br>relay chaudière de chauffage de santé<br>dispositif pour basse température<br>déhumidificateur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pumpe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank<br>Widerstände<br>winterregelung<br>entfeuchters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |    |                                                                                                | AP<br>BP<br>FL<br>EXV<br>FLGEO<br>FLIMP<br>MAP<br>MBP<br>KSAE<br>SAC<br>SIM<br>SGP<br>SIGEO<br>SIW<br>SIWH<br>SRIM<br>SSAN<br>SUGEO<br>SUIM<br>SUR<br>SUW<br>SUWH<br>SSM<br>TAP<br>TBP | PRESSOSTATO DI ALTA<br>PRESSOSTATO DI BASSA<br>FLUSSOSTATO<br>VALVOLA ELETTRONICA<br>FLUSSOSTATO GEOTERMICO<br>FLUSSOSTATO IMPIANTO<br>MORSETTIERA PRESSOSTATO DI ALTA<br>MORSETTIERA PRESSOSTATO DI BASSA<br>SONDA ARIA ESTERNA<br>SONDA ASPIRAZIONE COMPRESSORE<br>SONDA INGRESSO IMPIANTO<br>SONDA GAS PREMENTE<br>SONDA INGRESSO GEOTERMICO<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA RITORNO IMPIANTO<br>SONDA SANITARIO<br>SONDA USCITA GEOTERMICO<br>SONDA USCITA IMPIANTO<br>SONDA USCITA RECUPERATORE<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA VALVOLA MISCELATRICE<br>TRASDUTTORE ALTA PRESSIONE<br>TRASDUTTORE BASSA PRESSIONE | "high pressure" contral<br>pressure switch "low pressure"<br>flowswitch<br>electronic electrovalve<br>geothermal flowswitch<br>system flowswitch<br>pressure switch "high pressure" clamps<br>pressure switch "low pressure" clamps<br>ambient air probe<br>air compressor suction probe<br>input system probe<br>discharge pipe sensor<br>input geothermal probe<br>water inlet probe (NTC)<br>water inlet probe (NTC)<br>output system probe<br>probe health<br>output geothermal probe<br>output system probe<br>recovery outlet probe<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>mixing valve probe<br>high pressure trasducer<br>low pressure trasducer | pressostat "haut pression"<br>pressostat "basse pression"<br>fluxostat<br>commande de électrovalve électronique<br>débitmètre géothermie<br>débitmètre de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air extérieur<br>sonde d'aspiration de compresseur<br>sonde de entrées installation<br>sonde sur refolement<br>sonde entree géothermique<br>sonde entree eau (NTC)<br>sonde entree eau (NTC)<br>sonde de sorties installation<br>sonde de santé<br>sonde sortie géothermique<br>sonde sortie installation<br>sonde sortie recuperation<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde robinet mélange<br>transducteur haute pression<br>transducteur basse pression | hochdruckpressostat<br>druckschalter "niedrig druck"<br>strommesswaechter<br>startsteuerung ventilelektronic<br>Geothermie strömungsschalter<br>Anlage strömungsschalter<br>druckschalter "hoch druck" klemmen<br>druckschalter "niedrig druck" klemmen<br>außenluftfühler<br>kompressor saugsonde<br>sensor zwei anlage<br>fühler-druckleitung<br>geothermie sensor<br>fühler-wassereintritt (NTC)<br>fühler-wassereintritt (NTC)<br>Ausgang Wärmetauscher sensor<br>probe gesundheit<br>ausgang erdwärmesonde<br>sensor ausgang anlage<br>regenerator fühler-austritt<br>fühler-wasserströmung (NTC)<br>fühler-wasserströmung (NTC)<br>mischerventil probe<br>HD-drucktransmitter<br>ND-drucktransmitter |                           |    |                              |  |                      |  |                |  |                                     |  |                                 |  |                         |  |                                |  |               |  |
| B   | DRE<br>F<br>FRC<br>IG<br>L<br>M<br>MA<br>MCN<br>MPO1<br>MPO2<br>MPO3<br>MRTF<br>MSN<br>MTA<br>MTMPO<br>MTCP<br>MTR<br>N<br>NE<br>PE<br>PD<br>PDH<br>RPMIX1<br>PR<br>R<br>RAP<br>RC<br>RCP<br>RCS<br>RE<br>RER<br>RPMO<br>RI<br>RVSE<br>RX<br>SET<br>SIC<br>TEP<br>TGP<br>TR<br>TP<br>TSME<br>TSRE<br>TSRI<br>TSVSE<br>TV<br>V3VF<br>V3VS<br>VIC<br>VLS<br>VMD<br>VMS<br>VMDX1<br>VS<br>VSE | AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | AVVIATORE<br>FUSIBILE<br>Interference suppressor<br>Mian switch<br>phase of power supply<br>clamps<br>brown<br>control clamps<br>geothermal pump<br>primary pump<br>water tank pump<br>governor-cut phase clamps<br>signal clamps<br>auxiliary services magneto-thermal<br>pump magneto-thermal<br>compressor magneto-thermal<br>Heater switch<br>neutral of power supply<br>black<br>grounded<br>differential pressure switch<br>differential pressure switch<br>relay pump zone 1<br>remote panel<br>relé<br>"high pressure" relay<br>compressor oil heater<br>air compressor relé<br>phase sequence relay<br>antifreeze resistances<br>antifreeze recovery<br>pump relé<br>heating device<br>economizer relé<br>tray resistance<br>second set<br>thermal emergencies<br>delayed relé<br>discharge gas thermostat<br>Transformator<br>pressure transducer<br>mechanical thermostat<br>antifreeze resistances thermostat<br>heating device safety thermostat<br>economizer thermostat<br>thermistor fan coil<br>three-way valve freecooling<br>three-way valve health<br>reversal cycle valve<br>electrovalve liquid interception<br>2-way modulating valve<br>modulating valve health<br>mixing valve zone 1<br>electrovalve injection of liquid<br>electrovalve economizer | AVVIATORE<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase de alimentation<br>bornes<br>marron<br>bornes de commande<br>pompe géothermie<br>pompe primaire<br>pompe pour ballon ECS<br>bornes de gouverneur coupe phase<br>bornes de signal<br>magneto-thermique services auxiliaires<br>magneto-thermique de pompe<br>magneto-thermique compresseur<br>magneto-thermique Chauffage<br>neutre de alimentation<br>noir<br>mise à la terre<br>pressostat différentiel<br>pressostat différentiel<br>relais pompe de zone 1<br>commande à distance<br>relais<br>Relais haute pression<br>résistance huile CP<br>relais de compresseur<br>relais sequenciel<br>résistance antigel<br>recouvrement antigel<br>relais de pompe<br>chauffage<br>relais de economizer<br>résistance de bassins<br>second set<br>thermiques sécurité<br>relais retard<br>thermostat de gaz de décharge<br>transformateur<br>transducteur pression<br>Thermostat mécanique<br>thermostat de résistance antigel<br>thermostat de sécurité chauffage<br>Thermostat economizer<br>thermistance ventilateur<br>vanne à trois voies freecooling<br>vanne à trois voies de santé<br>vanne inversion de cycle<br>électrovalve interception de liquide<br>Vanne modulante à deux voles<br>Modulation de la santé valve<br>Vanne de zone de mélange 1<br>électrovalve injection de liquide<br>électrovalve economizer | Schalter ein/aus<br>Fernstoermeldung<br>Alarm<br>Alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pumpe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank<br>Widerstände<br>winterregelung<br>entfeuchters<br>sicherung<br>Funkentstörung<br>Hauptschalter<br>phasen vom Stromversorgung<br>klemmen<br>braun<br>startsteuerung klemmen<br>Geothermie pumpe<br>primär pumpe<br>pumpe im Wassertank<br>klemmen der gouverneur cut-phase<br>signal klemmen<br>schalter für Zubehör<br>schalter für pumpe<br>motorschuttschalter kompressor<br>Heizvorrichtung schalter<br>neutral vom Stromversorgung<br>schwarz<br>erdungskontakt<br>druckdifferenzschalter<br>druckdifferenzschalter<br>relay pumpe in zone 1<br>remote panel<br>relais<br>hochdruckrelais<br>kubelwannenheizung<br>kompressor relais<br>relais phasenreihenfolge<br>einfrierverhütend Widerstände<br>antifreeze recovery<br>pumpe relais<br>heizvorrichtung<br>economizer relais<br>tropfschale Widerstände<br>zweite set<br>sicherheit spannungsreiche<br>zeit relais<br>Druckgas Thermostat<br>Transformator<br>drucktransmitter<br>thermischer mechanische<br>einfrierverhütend Widerstände thermischer<br>sicherheit heizvorrichtung thermischer<br>thermischer economizer<br>thermistor gebläse<br>dreiwegenventil freecooling<br>dreiwegenventil gesundheit<br>umkehrventil<br>liquid abfangen magnetventil<br>Modulierendes Zwei-Wege-Ventil<br>RegelVentil gesundheit<br>mischer-Ventil zone 1<br>elektroventil injection vom flüssigen<br>elektroventil economizer |                 |    |                                                                                                |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |    |                              |  |                      |  |                |  |                                     |  |                                 |  |                         |  |                                |  |               |  |
| C   |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| D   |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| E   |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| H   |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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|  |                |  |                                     |  |                                 |  |                         |  |                                |  |               |  |
| WRL |                                                                                                                                                                                                                                                                                                                                                                                            | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QUADRO<br>BOARD |    | QUADRO EL. POMPA TRIFASE WRL - 2E00934()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00934() |                                                                                                                                                                                        | TABLEAU<br>SCHALT TAFEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00934()<br>WÄRMEPUMPE SCHALT TAFEL 3-PHASEN WRL - 2E00934()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FOGLIO<br>PAGE            |    | PAGE<br>SEITE                |  |                      |  |                |  |                                     |  |                                 |  |                         |  |                                |  |               |  |
|     |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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                                                                                                                                                                                     | AGGIORNATO<br>UPDATING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CHANGE<br>FORTSCHREIBEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PROGETTISTA<br>TECHNICIAN |    | MAQUETTISTE<br>DER ENTWERFER |  | NR. DIS.<br>DRAW NR. |  | PROJECT<br>BLD |  | DICHIARAZIONE N°<br>DECLARATION NR. |  | DÉCLARATION<br>DER ANSAGEZETTEL |  | COMMESSA<br>PROJECT NR. |  | TRAVAIL<br>PROJECT             |  | SUIE<br>SUITE |  |
|     |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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|  | 10-410         |  |                                     |  | XXXX                            |  | 1100                    |  | TOTAL PAGES<br>BLATTIER GESAMT |  | 38            |  |

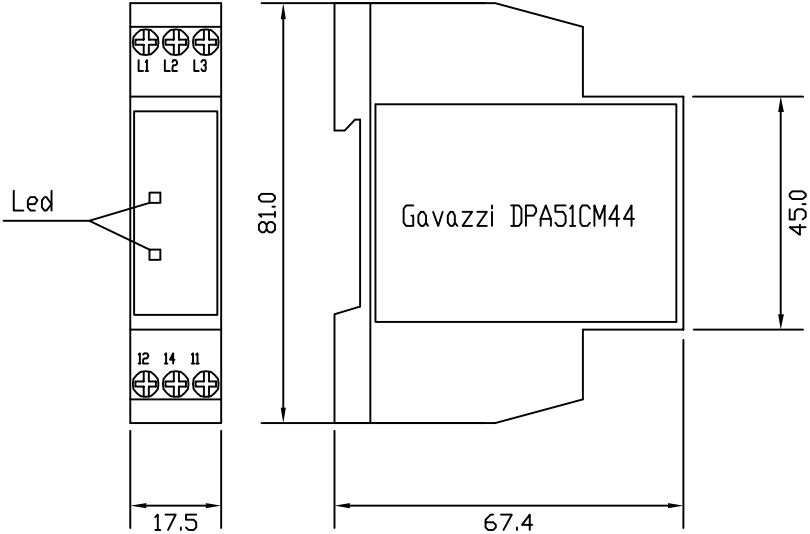




|     |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
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|     | 00                  | 01              | 02       | 03    | 04                                                 | 05            | 06          | 07            | 08         | 09      | 10                                               | 11               | 12          | 13      | 14         | 15 |                |  |    |  |                |  |       |  |
| A   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| B   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| C   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| D   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| E   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| F   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| G   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| H   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| I   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| J   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |            |    |                |  |    |  |                |  |       |  |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   |       | QUADRO EL. POMPA TRIFASE WRL - 2E00934()           |               |             |               | TABLEAU    |         | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00934() |                  |             |         | FOLIO      |    | PAGE           |  | 4A |  | PAGE           |  | SEITE |  |
|     |                     |                 | BOARD    |       | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00934() |               |             |               | SCHALTAFEL |         | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00934()   |                  |             |         | SEQUE      |    | NEXT PAGE      |  | 4B |  | SUITE          |  | METER |  |
|     |                     |                 | DATA     | DATE  | AGGIORNATO                                         | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.   | PROJECT | DICHIARAZIONE N°                                 | DÉCLARATION      | COMMESSA    | TRAVAIL | TOT. FOGLI |    | TOTAL FEUILLES |  | 38 |  | BLÄTTER GESAMT |  |       |  |
|     |                     |                 | DATE     | DATUM | UPDATING                                           | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.   | BILD    | DECLARATION NR.                                  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT |            |    |                |  |    |  |                |  |       |  |
|     |                     |                 | 27/09/10 |       |                                                    |               | P.E.        |               | 10-410     |         | XXXX                                             |                  | 1100        |         |            |    |                |  |    |  |                |  |       |  |

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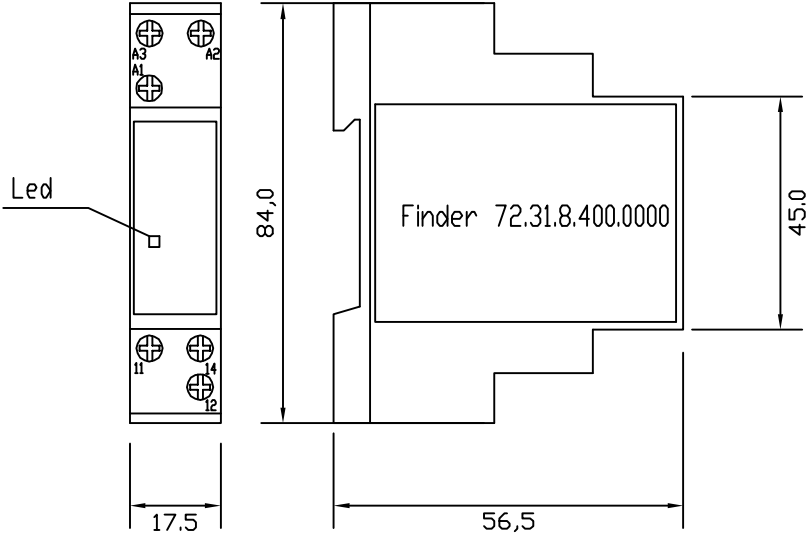
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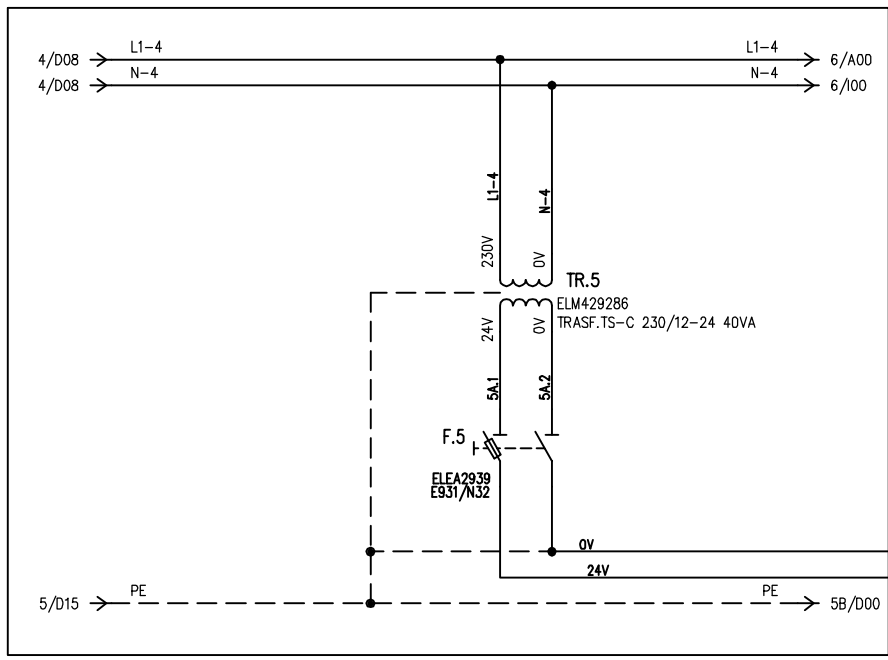
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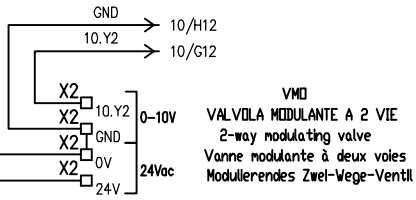
RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais



A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |            | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |            |            |             |             |    |  |  | nomenclature<br>betrieb art         |                                                   | utilisateur                      |                                         |                          |          |          |          |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|------------|------------|-------------|-------------|----|--|--|-------------------------------------|---------------------------------------------------|----------------------------------|-----------------------------------------|--------------------------|----------|----------|----------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |            |                                                                                    |            |            |             |             |    |  |  | kW                                  | macht<br>Insgesamt                                | puissance<br>totale              | typ                                     | type                     |          |          |          |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |            |                                                                                    |            |            |             |             |    |  |  | A                                   | aufgenommene<br>Stromung                          | courant lb                       | kW                                      | aufgenommene<br>leistung |          |          |          |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |            |                                                                                    |            |            |             |             |    |  |  |                                     | COS φ                                             | quoten der<br>zeitgleichzeitigen | facteur de<br>contemporain              |                          |          |          |          |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |            |                                                                                    |            |            |             |             |    |  |  | maschinenhersteller<br>constructeur |                                                   | disjoncteur or<br>sectionneur    |                                         |                          |          |          |          |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |            |                                                                                    |            |            |             |             |    |  |  | typ                                 |                                                   | type                             |                                         |                          |          |          |          |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N        |                                                                                    |            |            |             |             |    |  |  | A                                   | In                                                | anzahl von<br>stangen            | nombre des<br>pôles                     |                          |          |          |          |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |            |                                                                                    |            |            |             |             |    |  |  | A                                   | Idn                                               | A                                | Ith                                     |                          |          |          |          |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA         |                                                                                    |            |            |             |             |    |  |  | kA                                  | abschaltleistung<br>pourvoir de<br>l'interruption | A (kurve) Im (courbe)            | leistungsschalter<br>oder trennschalter |                          |          |          |          |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |            |                                                                                    |            |            |             |             |    |  |  | typ                                 |                                                   | type                             |                                         |                          |          |          |          |
|                                                                            | CALIBRO                                | caliber                   |                         | 2A gL                                                                                   |            |                                                                                    |            |            |             |             |    |  |  | A                                   |                                                   | kaliber                          |                                         | taille                   |          |          |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |            |            |             |             |    |  |  | typ                                 |                                                   | type                             |                                         |                          |          |          |          |
| CONTATTORE<br>contactor                                                    | In                                     | A                         | Pn                      | kW                                                                                      |            |                                                                                    |            |            |             |             |    |  |  | kW                                  | Pn                                                | A                                | In                                      | contacteur               |          |          |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |            |            |             |             |    |  |  | typ                                 |                                                   | type                             |                                         |                          |          |          |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |            |            |             |             |    |  |  | typ                                 |                                                   | type                             |                                         |                          |          |          |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |            |            |             |             |    |  |  | typ                                 |                                                   | type                             |                                         |                          |          |          |          |
| RELE' TERMICO<br>relay thermal                                             | TARATURA<br>calibration                |                           |                         | A                                                                                       |            |                                                                                    |            |            |             |             |    |  |  | A                                   |                                                   | eichung                          |                                         | calibrage                |          |          |          |
|                                                                            | TIPO CAVO                              | cable type                |                         |                                                                                         |            |                                                                                    |            |            |             |             |    |  |  | linie art                           |                                                   | type de câble                    |                                         |                          |          |          |          |
|                                                                            | FORMAZIONE                             | section                   |                         |                                                                                         |            |                                                                                    |            |            |             |             |    |  |  | abschnitt kabel                     |                                                   | câble section                    |                                         |                          |          |          |          |
|                                                                            | LUNGHEZZA                              | length                    |                         | m                                                                                       |            |                                                                                    |            |            |             |             |    |  |  | m                                   |                                                   | kable-länge                      |                                         | longueur                 |          |          |          |
| LINEA DI<br>POTENZA<br>power<br>line                                       | Iz                                     | A                         |                         |                                                                                         |            |                                                                                    |            |            |             |             |    |  |  | A                                   |                                                   | Iz                               |                                         |                          |          |          |          |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d. | %                                                                                  |            |            |             |             |    |  |  | %                                   | spannungsfaktor                                   | Cdt tot. a lb                    | %                                       | spannungsfaktor          | Cdt a lb |          |          |
|                                                                            | Zk                                     | mQ                        | Zs                      | mQ                                                                                      |            |                                                                                    |            |            |             |             |    |  |  | mQ                                  | Zs                                                | mQ                               | Zk                                      |                          |          |          |          |
|                                                                            | Ik                                     | trifase/monof.            | Ik                      | 3/1-phase                                                                               | kA         | Ik                                                                                 | fase/terra | Ik         | phase/earth | kA          |    |  |  |                                     | Ik                                                | drei-phase/                      | Ik                                      | trifase/                 | Ik       | trifase/ |          |
|                                                                            |                                        | Ik                        | trifase/monof.          | Ik                                                                                      | 3/1-phase  | kA                                                                                 | Ik         | fase/terra | Ik          | phase/earth | kA |  |  |                                     |                                                   | Ik                               | drei-phase/                             | Ik                       | trifase/ | Ik       | trifase/ |
|                                                                            |                                        | Ik                        | trifase/monof.          | Ik                                                                                      | 3/1-phase  | kA                                                                                 | Ik         | fase/terra | Ik          | phase/earth | kA |  |  |                                     |                                                   | Ik                               | drei-phase/                             | Ik                       | trifase/ | Ik       | trifase/ |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00934()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00934()

TAFEL  
SCHALT

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00934()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00934()

FOLIO  
PAGE

5A

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DATA  
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UPDATING

CHANGE  
FORTSCHRIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

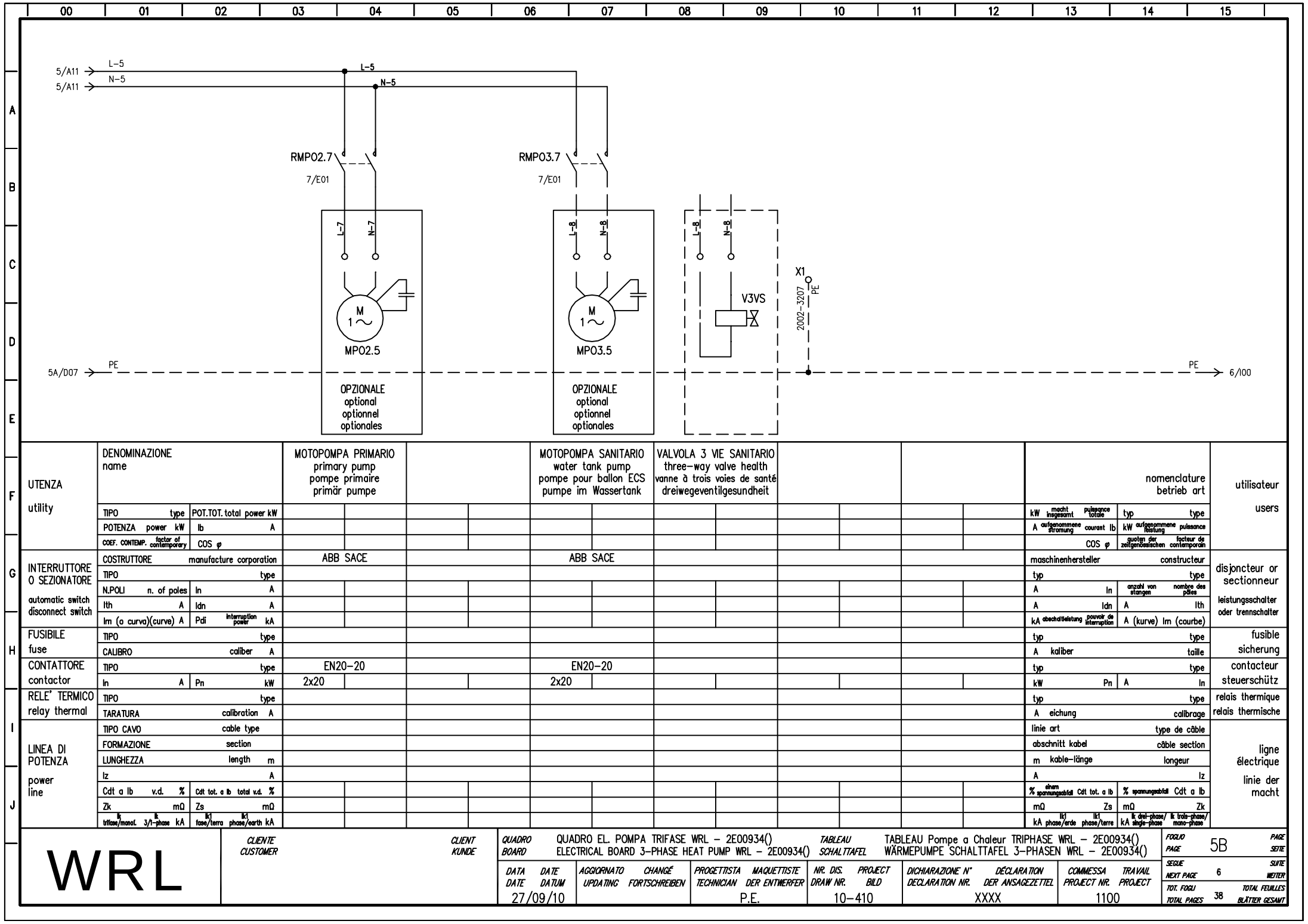
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TOT. FOLII  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT



|                                                                            |                       |                           |                                                                     |                       |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  |                             |                           |                                  |                                                                              |                           |                        |
|----------------------------------------------------------------------------|-----------------------|---------------------------|---------------------------------------------------------------------|-----------------------|--------------|----|----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-----------------------------|---------------------------|----------------------------------|------------------------------------------------------------------------------|---------------------------|------------------------|
| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name |                           | MOTOPOMPA PRIMARIO<br>primary pump<br>pompe primaire<br>primärpumpe |                       |              |    | MOTOPOMPA SANITARIO<br>water tank pump<br>pompe pour ballon ECS<br>pumpe im Wassertank |  | VALVOLA 3 VIE SANITARIO<br>three-way valve health<br>vanne à trois voies de santé<br>dreiwegenventilgesundheit |  |  |  |  |  | nomenclature<br>betrieb art |                           | utilisateur                      |                                                                              |                           |                        |
|                                                                            | TIPO                  | type                      | POT.TOT. total power kW                                             |                       |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | kW                          | mecht<br>insgesamt        | pulsance<br>totale               | typ                                                                          | type                      | users                  |
|                                                                            | POTENZA               | power kW                  | lb                                                                  | A                     |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           | aufgenommene<br>stromung  | courant lb                       | kW                                                                           | aufgenommene<br>leistung  | pulsance               |
|                                                                            | COEF. CONTEMP.        | factor of<br>contemporary | COS φ                                                               |                       |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  |                             | COS φ                     | guoten der<br>zeitgleichzeitigen | facteur de<br>contemporain                                                   |                           |                        |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE           |                           | manufacture corporation                                             |                       | ABB SACE     |    | ABB SACE                                                                               |  |                                                                                                                |  |  |  |  |  | maschinenhersteller         |                           | constructeur                     | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |                           |                        |
|                                                                            | TIPO                  |                           | type                                                                |                       |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | typ                         |                           | type                             |                                                                              |                           |                        |
|                                                                            | N.POLI                | n. of poles               | In                                                                  | A                     |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           | In                        | anzahl von<br>etangen            |                                                                              | nombre des<br>pôles       |                        |
|                                                                            | Ith                   | A                         | Idn                                                                 | A                     |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           | Idn                       | A                                |                                                                              | Ith                       |                        |
|                                                                            | Im (o curva)(curve)   | A                         | Pdi                                                                 | interruption<br>power | kA           |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | kA                          | abschaltleistung          | puissance de<br>interruption     | A (kurve) Im (courbe)                                                        |                           |                        |
| FUSIBILE<br><br>fuse                                                       | TIPO                  |                           | type                                                                |                       |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | typ                         |                           | type                             | fusible<br><br>sicherung                                                     |                           |                        |
|                                                                            | CALIBRO               |                           | caliber                                                             |                       | A            |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           |                           | kaliber                          |                                                                              | taille                    |                        |
| CONTATTORE<br><br>contactor                                                | TIPO                  |                           | type                                                                |                       | EN20-20      |    | EN20-20                                                                                |  |                                                                                                                |  |  |  |  |  | typ                         |                           | type                             | contacteur<br><br>steuerschütz                                               |                           |                        |
|                                                                            | In                    | A                         | Pn                                                                  | kW                    | 2x20         |    | 2x20                                                                                   |  |                                                                                                                |  |  |  |  |  | kW                          | Pn                        | A                                |                                                                              | In                        |                        |
| RELE' TERMICO<br><br>relay thermal                                         | TIPO                  |                           | type                                                                |                       |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | typ                         |                           | type                             | relais thermique<br><br>relais thermische                                    |                           |                        |
|                                                                            | TARATURA              |                           | calibration                                                         |                       | A            |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           |                           | eichung                          |                                                                              | calibrage                 |                        |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TIPO CAVO             |                           | cable type                                                          |                       |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | linie art                   |                           | type de câble                    | ligne<br>électrique<br><br>linie der<br>macht                                |                           |                        |
|                                                                            | FORMAZIONE            |                           | section                                                             |                       |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | abschnitt kabel             |                           | câble section                    |                                                                              |                           |                        |
|                                                                            | LUNGHEZZA             |                           | length                                                              |                       | m            |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | m                           |                           | kable-länge                      |                                                                              | longueur                  |                        |
|                                                                            | Iz                    |                           | A                                                                   |                       |              |    |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           |                           | Iz                               |                                                                              |                           |                        |
|                                                                            | Cdt a lb              |                           | v.d. %                                                              | Cdt tot. a lb         | total v.d. % |    |                                                                                        |  |                                                                                                                |  |  |  |  |  |                             | % shem<br>spannungsbefall | Cdt tot. a lb                    |                                                                              | % spannungsbefall         | Cdt a lb               |
|                                                                            | Zk                    |                           | mQ                                                                  | Zs                    | mQ           |    |                                                                                        |  |                                                                                                                |  |  |  |  |  |                             | mQ                        | Zs                               |                                                                              | mQ                        | Zk                     |
|                                                                            | trifase/monof.        | 3/1-phase                 | kA                                                                  | fase/terra            | phase/earth  | kA |                                                                                        |  |                                                                                                                |  |  |  |  |  | kA                          | phase/erde                | phase/terre                      | kA                                                                           | drei-phase/<br>mono-phase | trifase-<br>mono-phase |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00934()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00934()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00934()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00934()

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UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

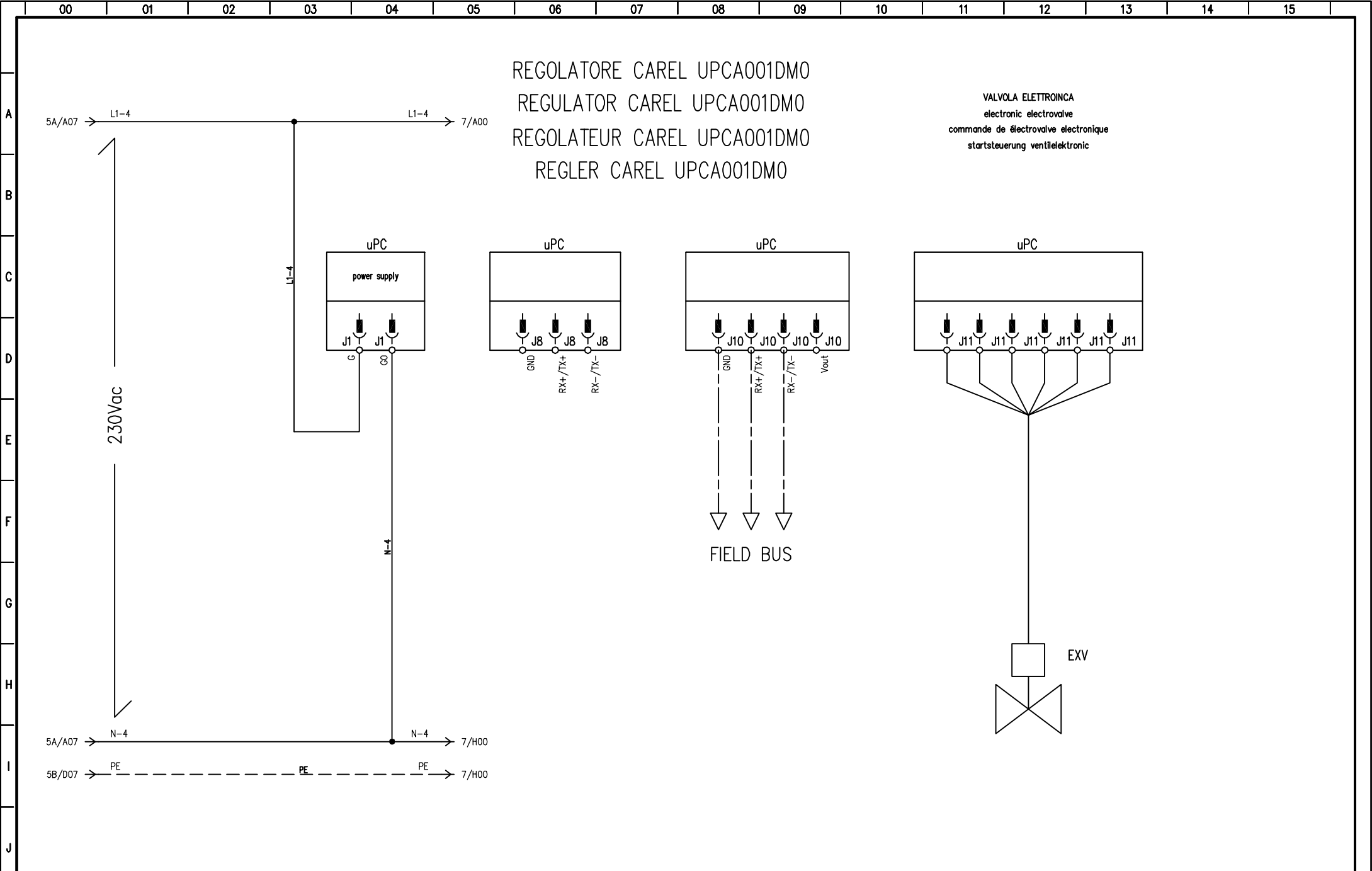
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DRAW NR. BILD  
10-410

DICHIARAZIONE N°  
DECLARATION NR.  
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COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
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TOTAL FEUILLES  
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REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00934()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00934()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00934()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00934()

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UPDATING  
CHANGE  
FORTSCHREIBEN

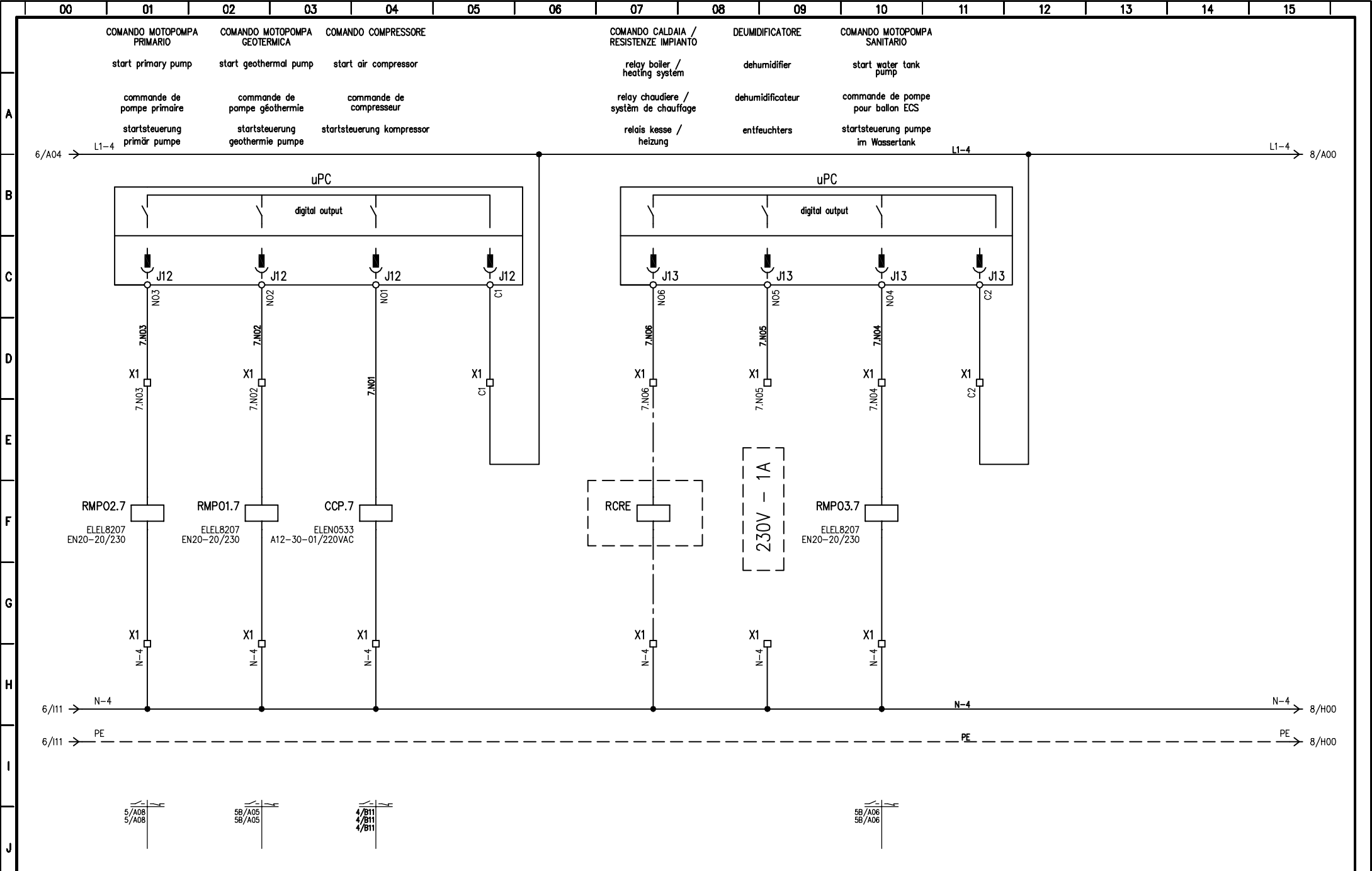
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TECHNICIAN  
MAQUETTISTE  
DER ENTWERFER  
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PROJECT  
BILD  
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DICHIARAZIONE N°  
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PROJECT NR.  
TRAVAIL  
PROJECT  
1100

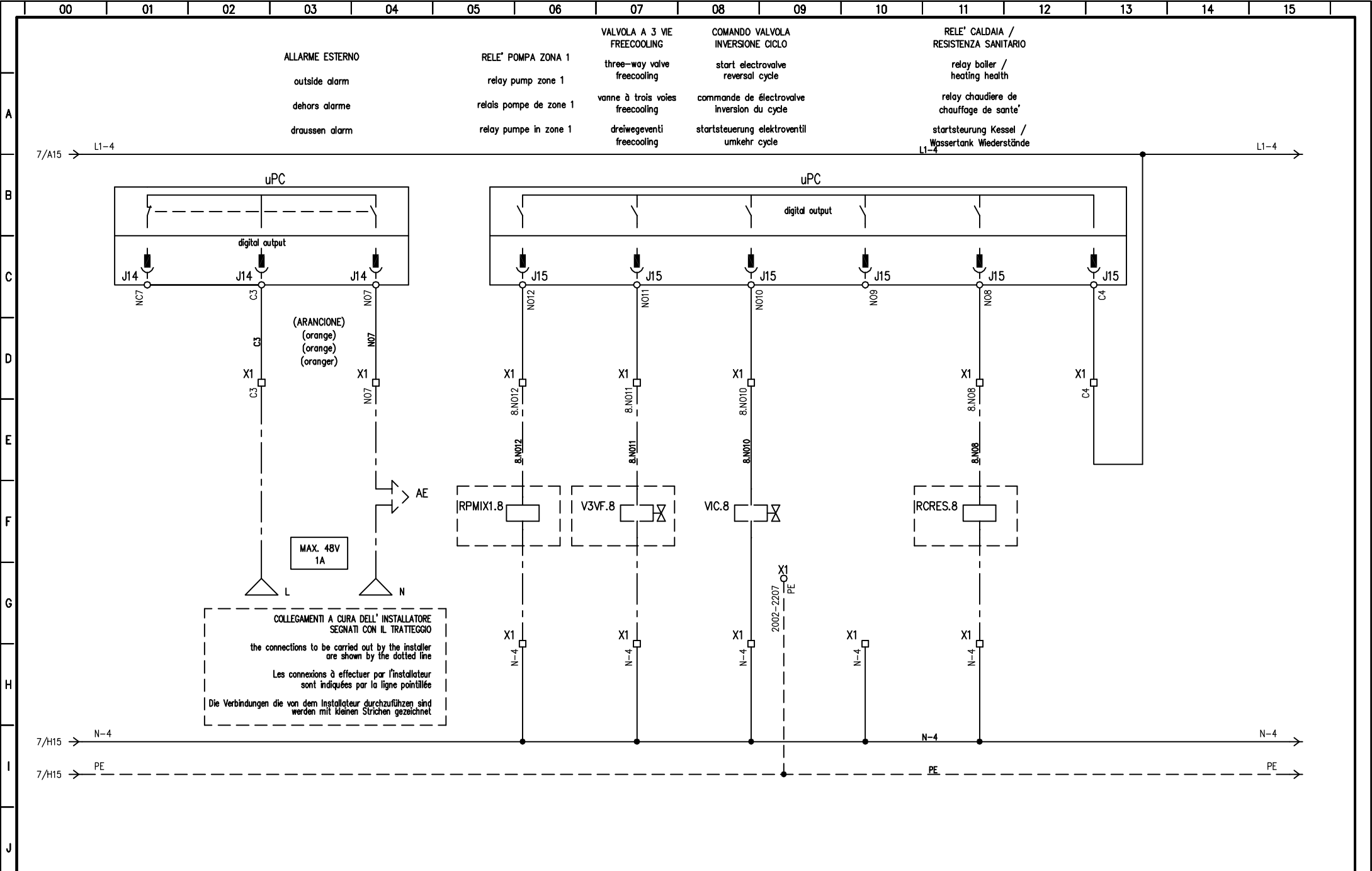
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BLATTIER GESAMT



WRL

| CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO BOARD           |            | QUADRO EL. POMPA TRIFASE WRL – 2E00934()<br>ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00934() |                      |                        |                           | TABLEAU SCHALTAFEL |              | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00934()<br>WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00934() |                              |                      |                 | FOLIO PAGE      |   | 7               |   | PAGE SEITE      |                               |
|---------------------|-----------------|------------------------|------------|------------------------------------------------------------------------------------------------|----------------------|------------------------|---------------------------|--------------------|--------------|----------------------------------------------------------------------------------------------------|------------------------------|----------------------|-----------------|-----------------|---|-----------------|---|-----------------|-------------------------------|
|                     |                 | DATA DATE              | DATE DATUM | AGGIORNATO UPDATING                                                                            | CHANGE FORTSCHREIBEN | PROGETTISTA TECHNICIAN | MAQUETTISTE DER ENTWERFER | NR. DIS. DRAW NR.  | PROJECT BILD | DICHIARAZIONE N° DECLARATION NR.                                                                   | DÉCLARATION DER ANSAGEZETTEL | COMMESSA PROJECT NR. | TRAVAIL PROJECT | SERIE NEXT PAGE | 8 | SUITE NEXT PAGE | 8 | SUITE NEXT PAGE |                               |
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KUNDE

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BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00934()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00934()

TABE  
SCHALTTAFEL

TABE  
Pompe a Chaleur TRIPHASE WRL - 2E00934()  
WÄRMEPUMPE SCHALTTAFEL 3-PHASEN WRL - 2E00934()

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PROGETTISTA  
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PROJECT  
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DICHIARAZIONE N°  
DECLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR. 1100

TRAVAIL  
PROJECT

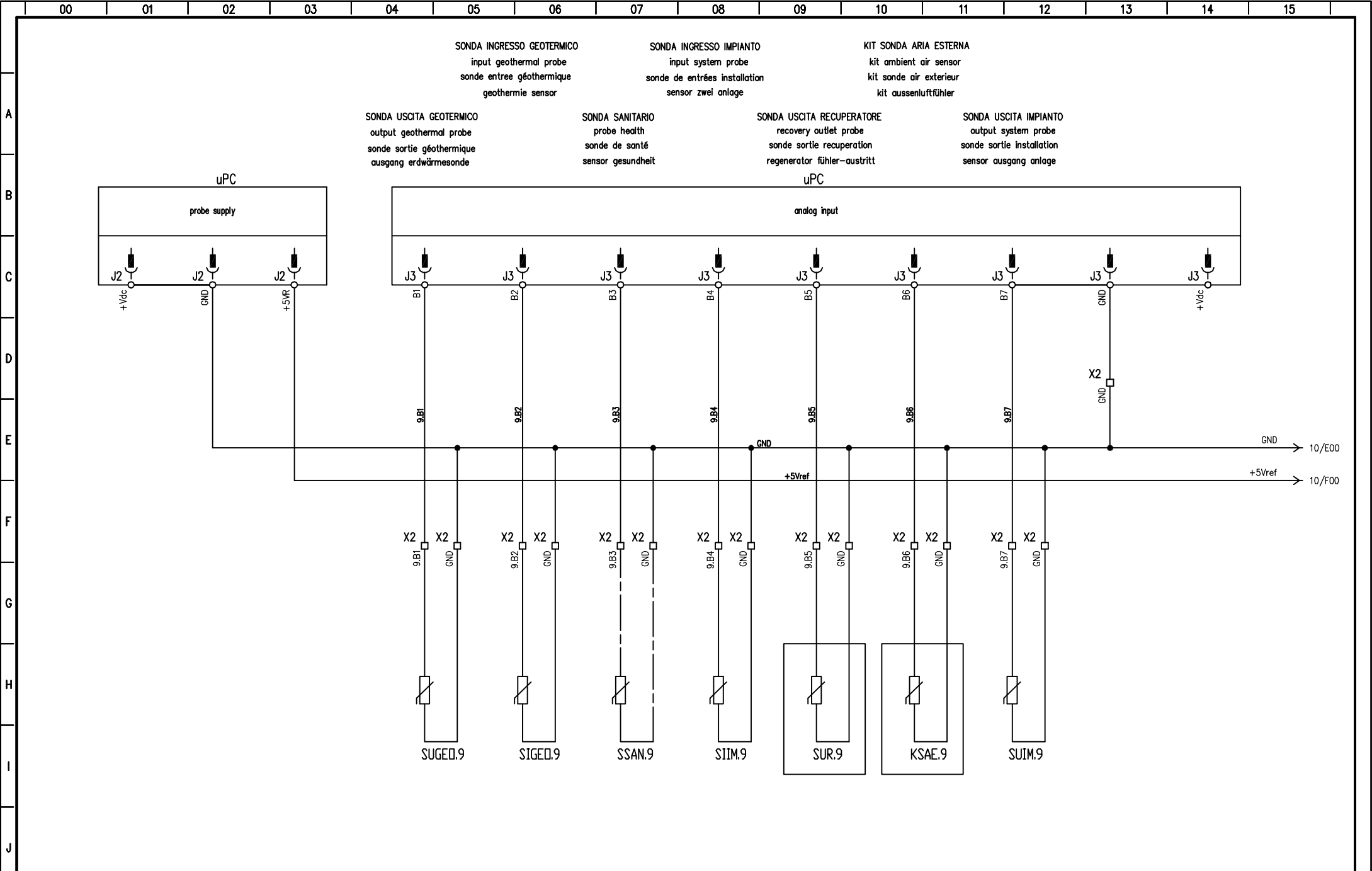
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WRL

CLIENTE  
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KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00934()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00934()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00934()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00934()

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AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

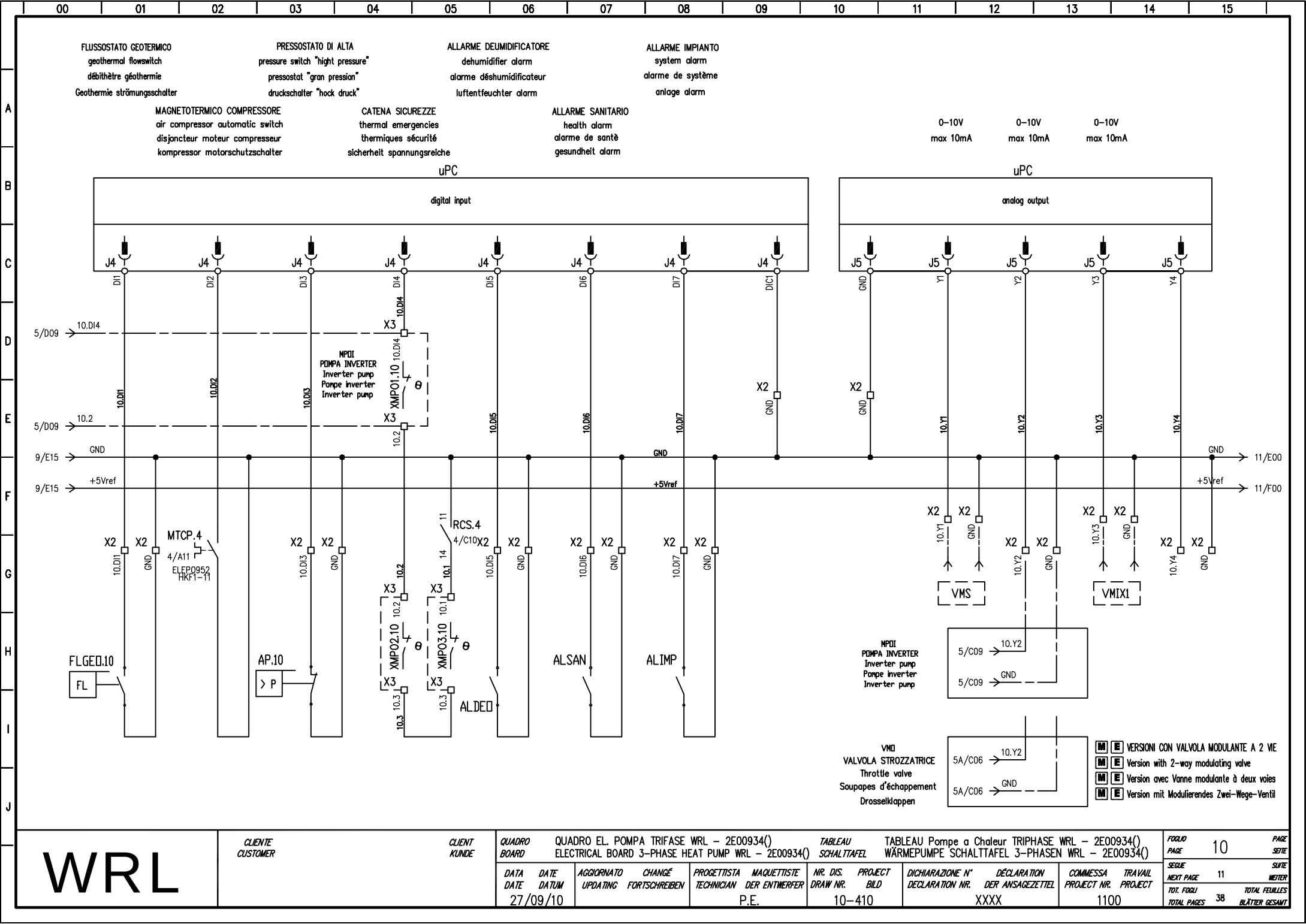
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10-410

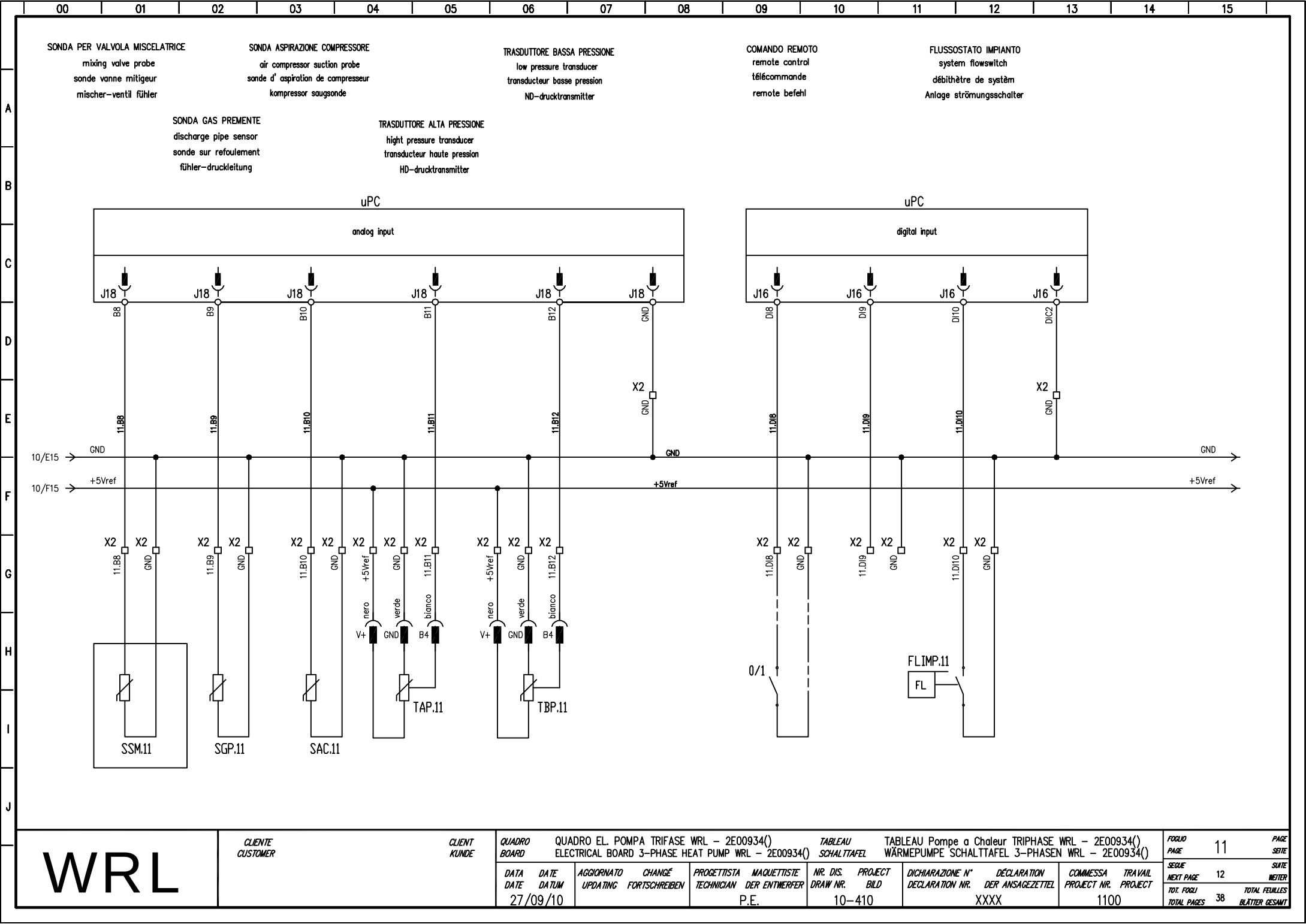
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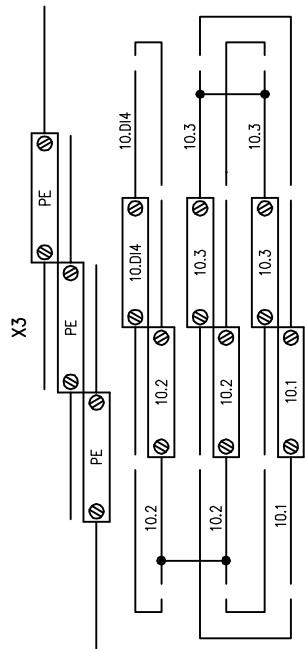
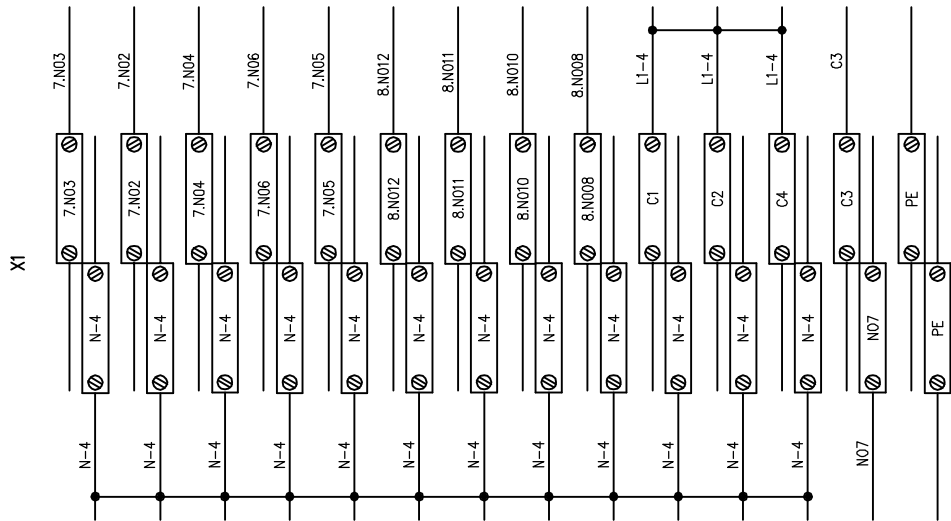
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MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

MORSETTO TRIPLO G/V 2,5mmq MOLLA PE WAGO 2002-3207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

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CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00934()  
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TABE  
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PROGETTISTA  
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The diagram illustrates a PCB assembly layout. A central horizontal section contains a microcontroller unit labeled "uPC". To its left is a large rectangular area with a lightning bolt symbol, indicating a high-voltage or sensitive zone. Below the uPC, there are two large connector areas labeled X2 and X1. X2 is connected to a PE terminal. X1 is connected to a series of components including MTP0.5, MTA.4, IG.4, DT16-40F.4, IC10Q, IC10C, RES.4, and another PE terminal. To the right of the uPC, there are three more connector areas labeled X3, X2, and X1. X3 is connected to a series of components including CCP.7, MTP0.4, RMP01.7, RMP02.7, and RMP03.7. X2 is connected to a PE terminal. X1 is connected to a series of components including MTP0.5, MTA.4, IG.4, DT16-40F.4, IC10Q, IC10C, RES.4, and another PE terminal.

BEMERKUNGEN

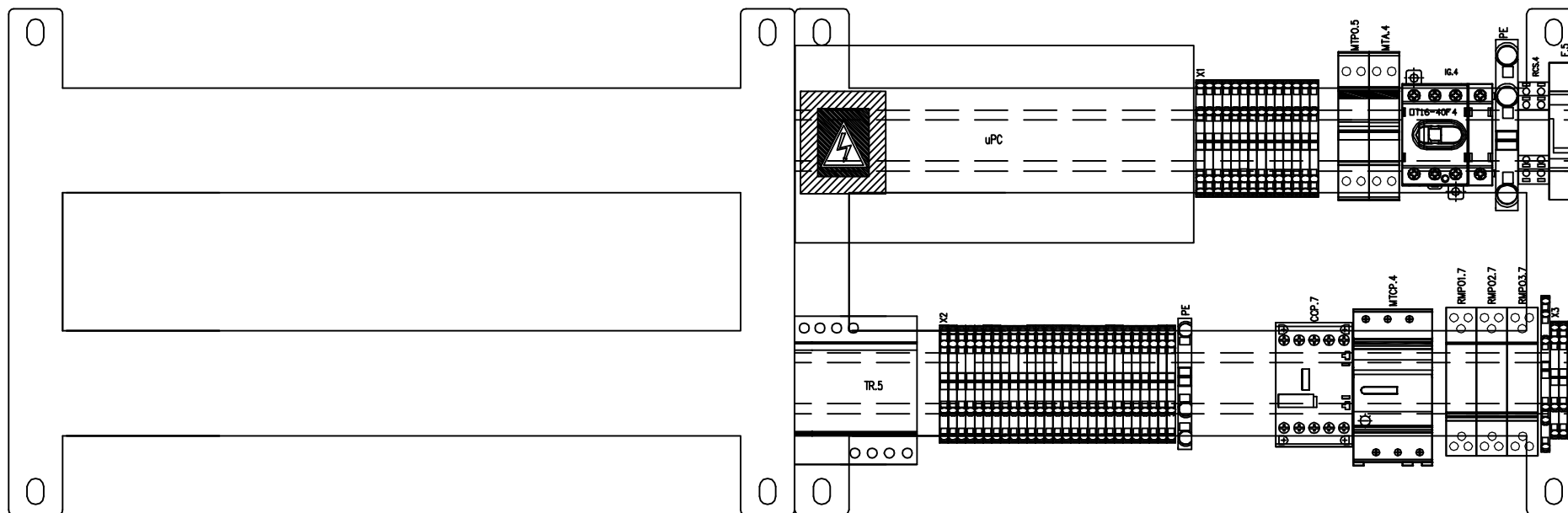
- ☐ Tableau standard
- ☐ serienmäßig schalttafel

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version avec Vanne modulante à deux voies  |
| <b>M</b> Version with 2-way modulating valve    | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |

|                                                                                                         |    |               |    |                                                                                                         |    |                                                                                                |    |                                                                                                    |    |                                                                                                |    |                       |    |                                                                                                    |    |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
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| 00                                                                                                      | 01 | 02            | 03 | 04                                                                                                      | 05 | 06                                                                                             | 07 | 08                                                                                                 | 09 | 10                                                                                             | 11 | 12                    | 13 | 14                                                                                                 | 15 |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
|                                                                                                         |    |               |    | DATI TECNICI CARPENTERIA                                                                                |    | TECHNICAL DATA BOX                                                                             |    | DONNÉES TECHNIQUES<br>TABLEAU                                                                      |    | TECHNISCHEN DATEN<br>DES RAHMENS                                                               |    |                       |    |                                                                                                    |    |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
|                                                                                                         |    |               |    | Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /       |    | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / |    | Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / |    | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: /       |    |                       |    |                                                                                                    |    |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
|                                                                                                         |    |               |    | DIMENSIONI                                                                                              |    | DIMENSION                                                                                      |    | DIMENSION                                                                                          |    | ABMESSUNGEN                                                                                    |    |                       |    |                                                                                                    |    |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
|                                                                                                         |    |               |    | Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                      |    | height: 350<br>Width: 1040<br>Deep: 160                                                        |    | Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                   |    | Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                         |    |                       |    |                                                                                                    |    |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
|                                                                                                         |    |               |    | NOTE                                                                                                    |    | NOTES                                                                                          |    | NOTE                                                                                               |    | BEMERKUNGEN                                                                                    |    |                       |    |                                                                                                    |    |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
| VISTA INTERNA<br>fore sight internal<br>vue extérieur<br>innenansicht                                   |    |               |    |                                                                                                         |    |                                                                                                |    |                                                                                                    |    |                                                                                                |    |                       |    |                                                                                                    |    |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
|                                                                                                         |    |               |    |                                                                                                         |    |                                                                                                |    |                                                                                                    |    |                                                                                                |    |                       |    |                                                                                                    |    |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
| <div><div><div>A</div><div>A</div></div><div>VERSIONE CON ACCUMULO<br/>Version with Storage</div></div> |    |               |    | <div><div><div>A</div><div>A</div></div><div>Version avec Stockage<br/>Version mit Lagerung</div></div> |    |                                                                                                |    |                                                                                                    |    |                                                                                                |    |                       |    |                                                                                                    |    |                                     |  |                                 |  |                         |  |                    |  |                    |  |                                  |  |                 |  |
| <div>WRL</div>                                                                                          |    |               |    | CLIENTE<br>CUSTOMER                                                                                     |    | CLIENT<br>KUNDE                                                                                |    | QUADRO<br>BOARD                                                                                    |    | QUADRO EL. POMPA TRIFASE WRL - 2E00934()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00934() |    | TABLEAU<br>SCHALTAFEL |    | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00934()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00934() |    | FOGLIO<br>PAGE                      |  | 14B                             |  | PAGE<br>SEITE           |  |                    |  |                    |  |                                  |  |                 |  |
| DATA<br>DATE                                                                                            |    | DATE<br>DATUM |    | AGGIORNATO<br>UPDATING                                                                                  |    | CHANGE<br>FORTSCHREIBEN                                                                        |    | PROGETTISTA<br>TECHNICIAN                                                                          |    | MAQUETTISTE<br>DER ENTWERFER                                                                   |    | NR. DIS.<br>DRAW NR.  |    | PROJECT<br>BILD                                                                                    |    | DICHIARAZIONE N°<br>DECLARATION NR. |  | DÉCLARATION<br>DER ANSAGEZETTEL |  | COMMESSA<br>PROJECT NR. |  | TRAVAIL<br>PROJECT |  | SEGUE<br>NEXT PAGE |  | 14C                              |  | SUITE<br>NETHEN |  |
| 27/09/10                                                                                                |    |               |    |                                                                                                         |    |                                                                                                |    | P.E.                                                                                               |    |                                                                                                |    | 10-410                |    |                                                                                                    |    | XXXX                                |  |                                 |  | 1100                    |  |                    |  | TOTAL PAGES<br>38  |  | TOTAL FEUILLES<br>BLÄTTER GESAMT |  |                 |  |



VISTA INTERNA  
fore sight internal  
vue extérieur  
innengansicht



**E** Version avec Stockage + Vanne modulante à deux voies  
**E** Version mit Lagerung + Modulierendes Zwei-Wege-Ventil



|                                                       |            |           |        |
|-------------------------------------------------------|------------|-----------|--------|
| POMPA TRIFASE                                         |            |           | WRL050 |
| Quadro elettrico                                      |            | REV       |        |
| cod.                                                  | 2E00935    | 1         |        |
| cod.                                                  | 2E00935A   | 1         | A      |
| cod.                                                  | 2E00935M   | 1         | M      |
| cod.                                                  | 2E00935E   | 1         | E      |
|                                                       |            |           |        |
| rif.                                                  | 2E00787B_2 | 2E00857_3 |        |
| lotto                                                 | nr.: XXXX  |           |        |
| VERS.                                                 |            |           |        |
| SI SOFTSTARTER – NO MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |        |

|                                                                              |                                                                           |                                                                                 |                                                                                  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE                                     | <input type="checkbox"/> Standard Board                                   | <input type="checkbox"/> Tableau standard                                       | <input type="checkbox"/> serienmäßig schalttafel                                 |
| <input checked="" type="checkbox"/> A VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> A Version with Storage                | <input checked="" type="checkbox"/> A Version avec Stockage                     | <input checked="" type="checkbox"/> A Version mit Lagerung                       |
| <input checked="" type="checkbox"/> M VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> M Version with 2-way modulating valve | <input checked="" type="checkbox"/> M Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> M Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> E A + M                                  | <input checked="" type="checkbox"/> E A + M                               | <input checked="" type="checkbox"/> E A + M                                     | <input checked="" type="checkbox"/> E A + M                                      |

|                        |  |                      |  |
|------------------------|--|----------------------|--|
| WRL                    |  |                      |  |
| COSTRUTTORE            |  | Manufacturer         |  |
| COD. ARTICOLO          |  | NORMA CEI EN 60335-1 |  |
| 2E009350_01            |  | 03/03/11             |  |
| ALIMENTAZIONE          |  | Power supply         |  |
| 3/N/PE - 50 Hz 400V    |  |                      |  |
| TENSIONE NOMINALE      |  | Nominal Voltage      |  |
| V 400 Hz 50            |  |                      |  |
| POMPA DI CALORE WRL050 |  | Heat Pump WRL050     |  |
| A Max 9,6              |  |                      |  |
|                        |  |                      |  |
| GRADO DI PROTEZIONE    |  | Level of protection  |  |
| IP 2x                  |  |                      |  |
| NOTE: NR. LOTTO=       |  | Notes XXXX           |  |

|                        |  |                      |  |
|------------------------|--|----------------------|--|
| WRL                    |  |                      |  |
| Constructeur           |  | Maschinenhersteller  |  |
| Code Article           |  | NORMA CEI EN 60335-1 |  |
| 2E009350_01            |  | 03/03/11             |  |
| Alimentation           |  | Stromversorgung      |  |
| 3/N/PE - 50 Hz 400V    |  |                      |  |
| Tension Nominale       |  | Nennspannung         |  |
| V 400 Hz 50            |  |                      |  |
| Pompe a Chaleur WRL050 |  | Wärmepumpe WRL050    |  |
| A Max 9,6              |  |                      |  |
|                        |  |                      |  |
| Degré de protection    |  | Schutzgrad           |  |
| IP 2x                  |  |                      |  |
| Note                   |  | Anmerkungen          |  |
| XXXX                   |  |                      |  |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉE     |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                     |                 |                              |                                 |
|---------------------|-----------------|------------------------------|---------------------------------|
| WRL                 |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD                 |
|                     |                 | 10-412                       |                                 |
| CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                     |                 | 27/09/10                     |                                 |
|                     |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
|                     |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT              |
|                     |                 | 1100                         |                                 |
|                     |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER    |
|                     |                 | DICHIARAZIONE<br>DECLARATION | DECLARATION<br>DER ANSAGEZETTEL |
|                     |                 | XXXX                         |                                 |

|                                        |         |                       |
|----------------------------------------|---------|-----------------------|
| QUADRO<br>BOARD                        | 2E00935 | TABLEAU<br>SCHALTAFEL |
| QUADRO EL. POMPA TRIFASE WRL           |         |                       |
| ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL |         |                       |
| TABLEAU Pompe a Chaleur TRIPHASE WRL   |         |                       |
| WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL     |         |                       |

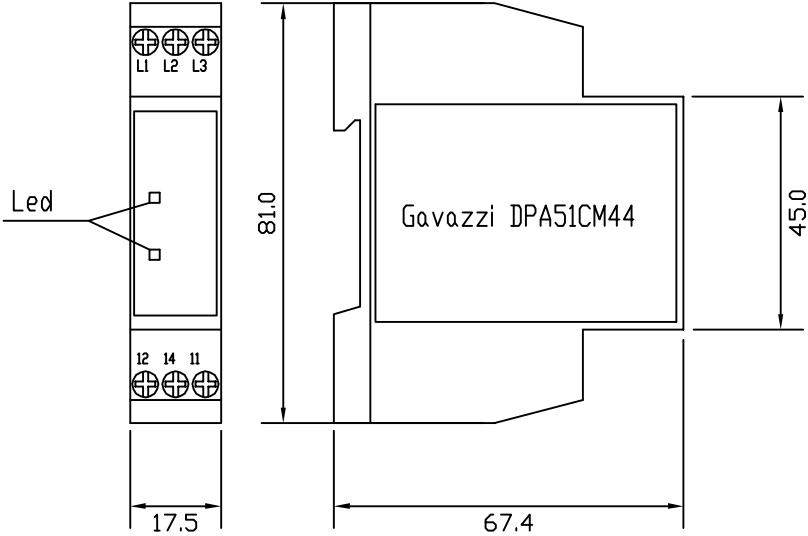
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alternative  
alternative  
alternative

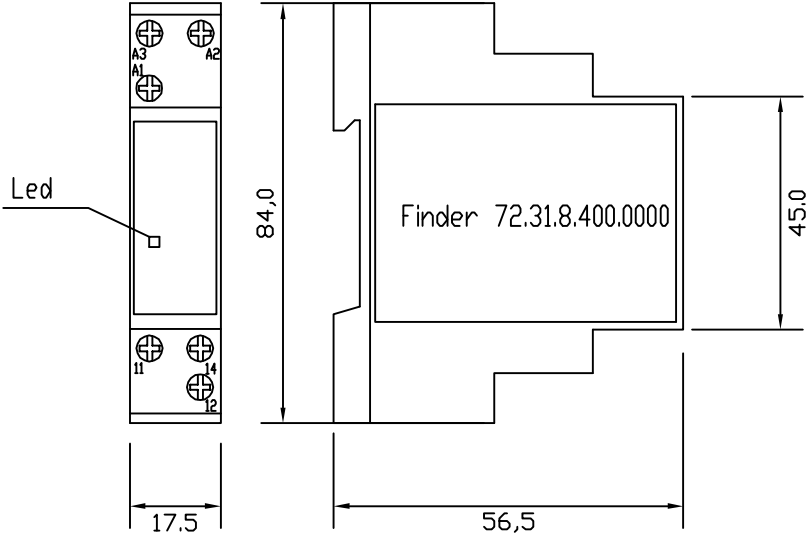
Gavazzi DPA51CM44  
L1 = L1  
L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

IN ALTERNATIVA  
alternative  
alternative  
alternative

Finder 72.31.8.400.0000  
A1 = L1  
A2 = L2  
A3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



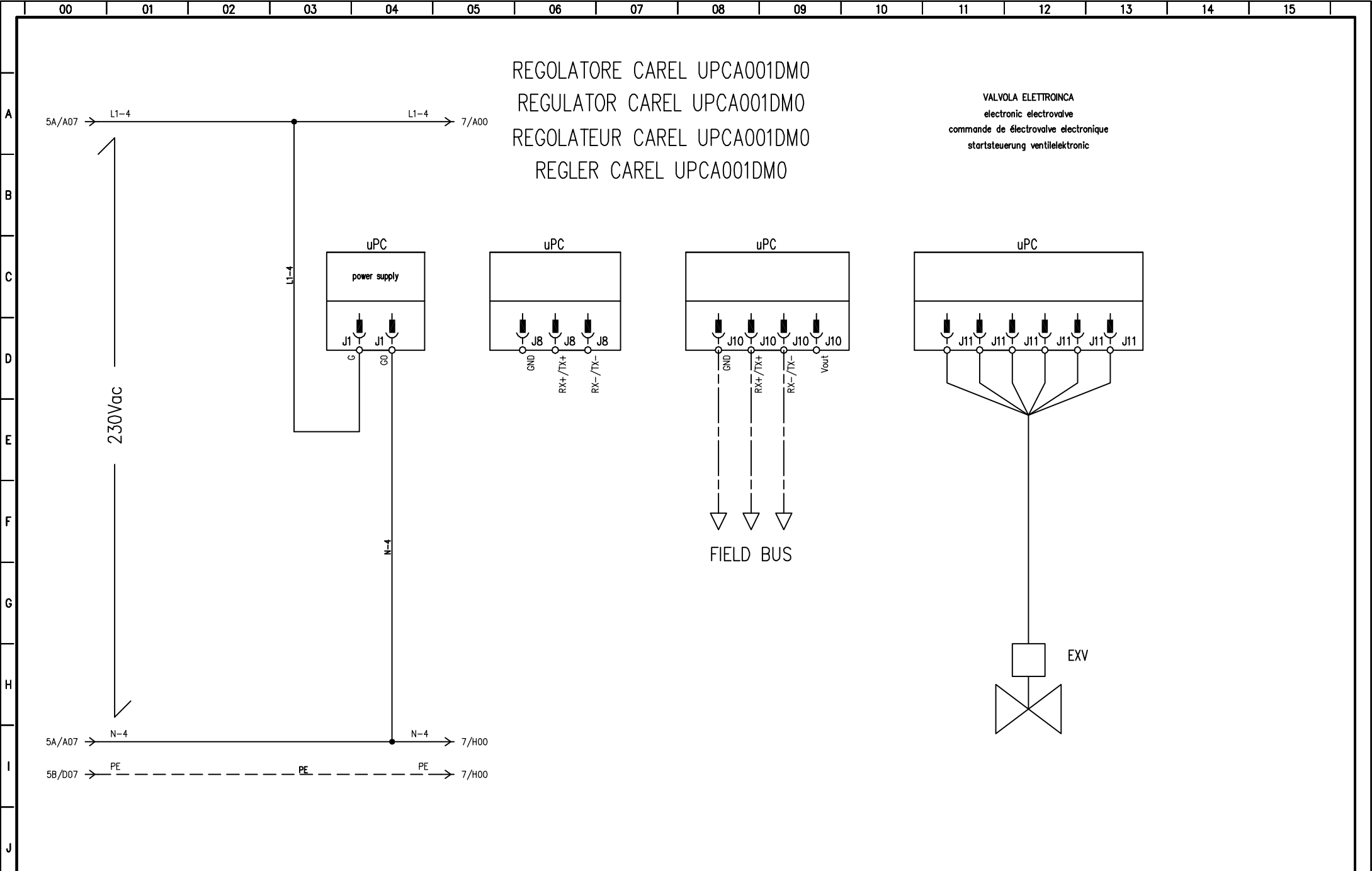
RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|--------------------------------------------------|---------|------------------|------------------|-------------|-------------|-----------|-----------------|--------|---|-------|
|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08                                               | 09      | 10               | 11               | 12          | 13          | 14        | 15              |        |   |       |
| A   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| B   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| C   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| D   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| E   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| F   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| G   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| H   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| I   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| J   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |             |           |                 |        |   |       |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00935()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00935() |         |                  |                  |             |             |           |                 | FOGLIO | 5 | PAGE  |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00935() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00935()   |         |                  |                  |             |             |           |                 |        |   | SEITE |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGÉ        | PROGETTISTA | MAQUETTISTE   | NR. DIS.                                         | PROJECT | DICHIARAZIONE N° | DECLARATION      | COMMESSA    | TRAVAIL     | SEQUÉ     |                 | SUITE  |   |       |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.                                         | BILD    | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT     | NEXT PAGE | 5A              | METER  |   |       |
|     |                     |                 | 27/09/10 |                                                    |            | P.E.          |             | 10-412        |                                                  | XXXX    |                  | 1100             |             | TOT. FOGLI  | 38        | TOTAL FEUILLES  |        |   |       |
|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             | TOTAL PAGES |           | BLÄTTIER GESAMT |        |   |       |





|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|------------|--------------------------------------------------|------------------|------------------|-------------|---------|------------|----|----------------|----------------|
|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08         | 09                                               | 10               | 11               | 12          | 13      | 14         | 15 |                |                |
| A   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| B   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| C   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| D   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| E   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| F   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| G   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| H   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| I   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| J   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |            |    |                |                |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00935()           |            |               |             |               | TABLEAU    | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00935() |                  |                  |             |         | FOGLIO     | 5B | PAGE           |                |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00935() |            |               |             |               | SCHALTAFEL | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00935()   |                  |                  |             |         | SEQUE      |    | SUITE          |                |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.   | PROIECT                                          | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL | NEXT PAGE  |    | 6              | NIETEN         |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.   | BILD                                             | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | TOT. FOGLI |    | 38             | TOTAL FEUILLES |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-412     |                                                  | XXXX             |                  | 1100        |         |            |    | BLÄTTER GESAMT |                |



REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00935()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00935()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00935()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00935()

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PAGE

6

PAGE  
SEITE

DATA  
DATE  
27/09/10

AGGIORNATO  
UPDATING  
CHANGE  
FORTSCHREIBEN

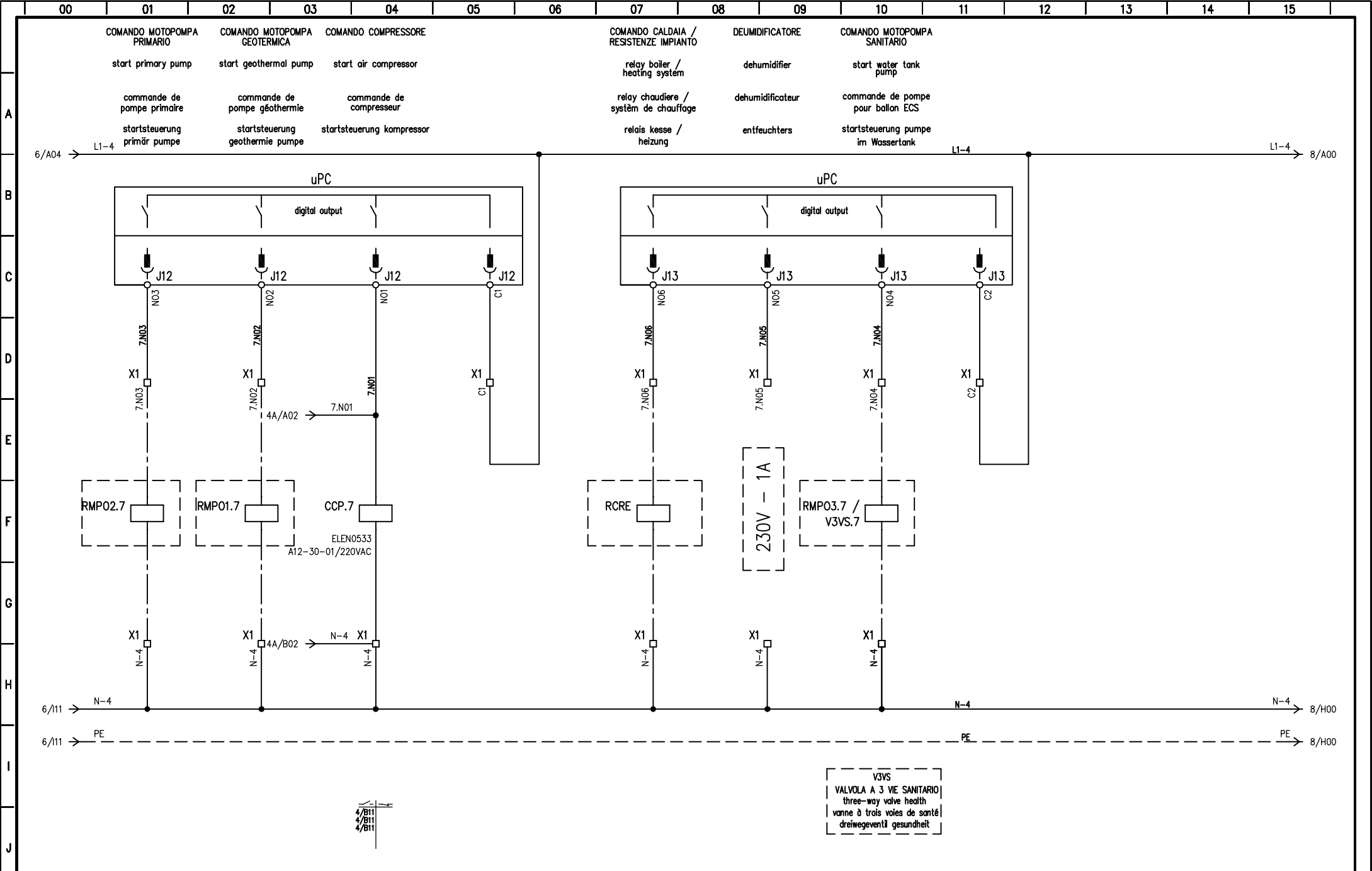
PROGETTISTA  
TECHNICIAN  
MAQUETTISTE  
DER ENTWERFER  
P.E.

NR. DIS.  
DRAW NR.  
PROJECT  
BILD  
10-412

DICHIARAZIONE N°  
DECLARATION NR.  
DER ANSAGEZETTEL  
XXXX

COMMESSA  
PROJECT NR.  
TRAVAIL  
PROJECT  
1100

SEQUE  
NEXT PAGE  
7  
TOT. FOGLI  
TOTAL PAGES  
38  
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TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00935()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00935()

TABEUA  
SCHALTAFEL

TABEUA Pompe a Chaleur TRIPHASE WRL - 2E00935()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00935()

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PAGE 7

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SEITE

DATA  
DATE 27/09/10

DATA  
DATUM

AGGIORNATO  
UPDATING

PROGETTISTA  
TECHNICIAN P.E.

MAQUETTISTA  
DER ENTWERFER

NR. DIS.  
PROJECT BILD 10-412

DICHIARAZIONE N°  
DECLARATION NR. XXXX

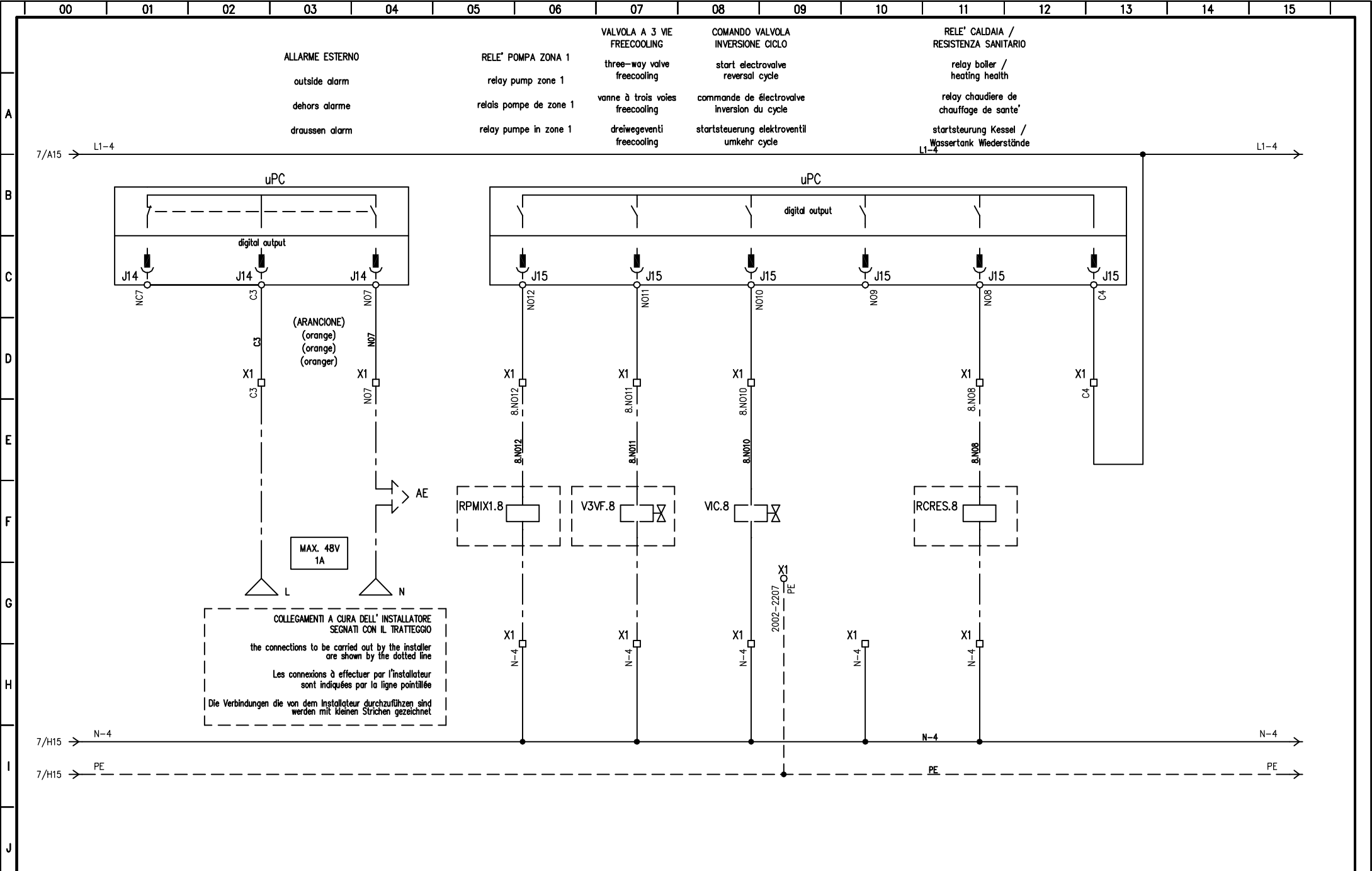
COMMESSA  
PROJECT NR. 1100

TRAVAIL  
PROJECT

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NEXT PAGE 8

TOT. FOGLI  
TOTAL PAGES 38

TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00935()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00935()

TABEUAU  
SCHALTAFEL

TABEUAU Pompe a Chaleur TRIPHASE WRL - 2E00935()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00935()

FOLIO  
PAGE 8

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DATA  
DATE 27/09/10

DATA  
DATUM

AGGIORNATO  
DATE

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DECLARATION  
DER ANSAGEZETTEL

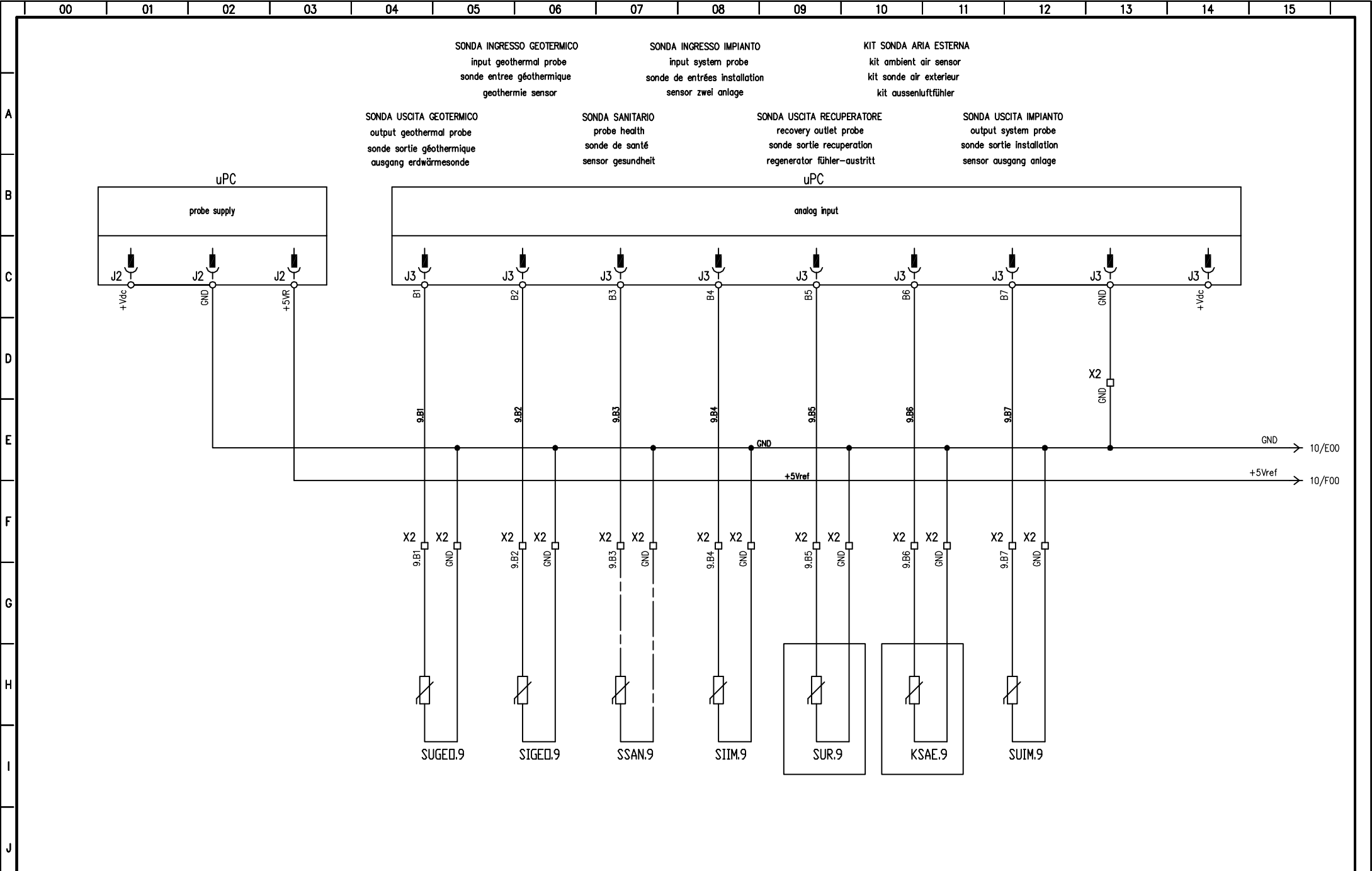
COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

TOT. FOLII  
TOTAL PAGES

38

TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00935()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00935()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00935()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00935()

FOLIO  
PAGE

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SEITE

DATA DATE  
DATE DATUM  
27/09/10

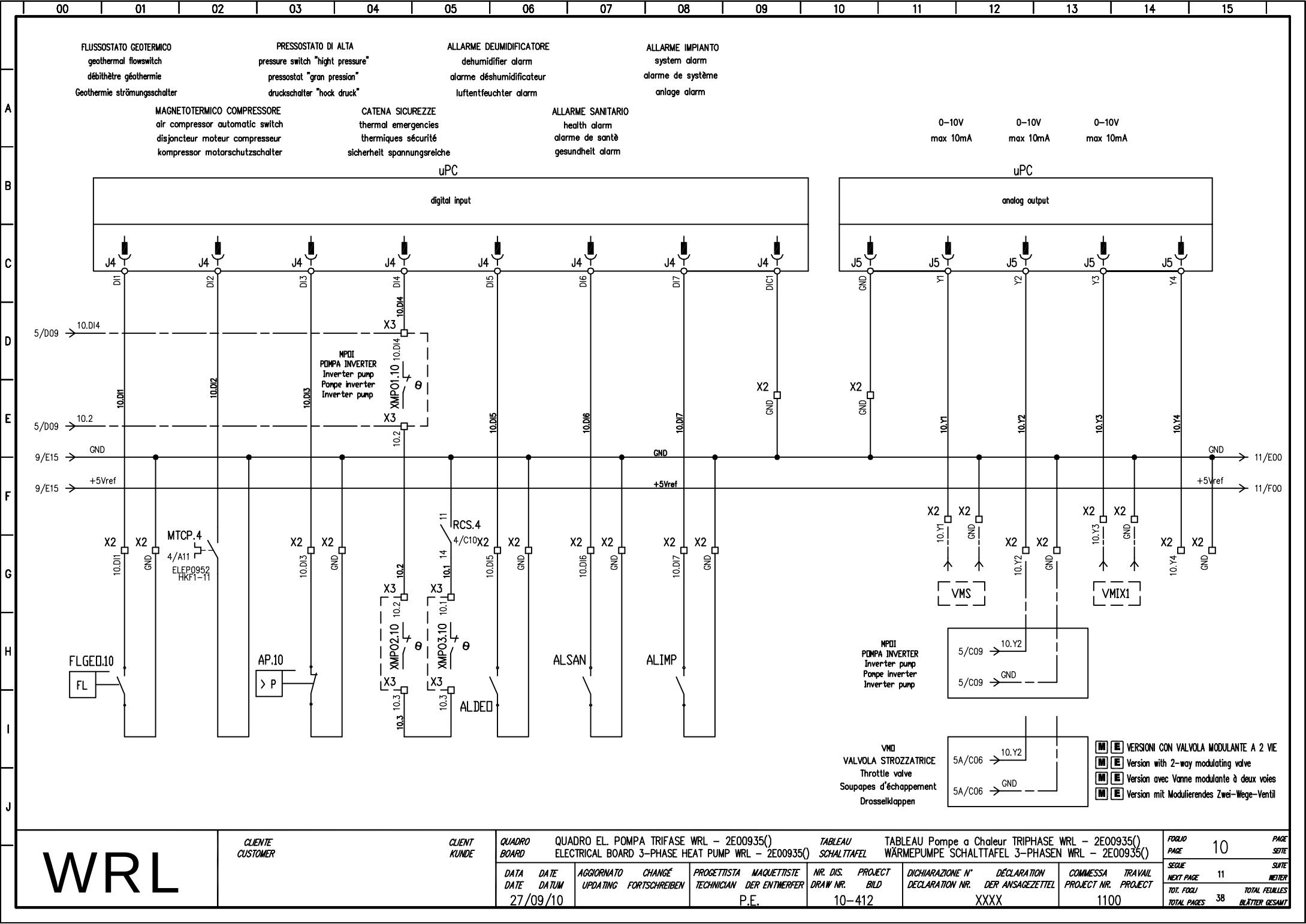
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TECHNICIAN DER ENTWERFER

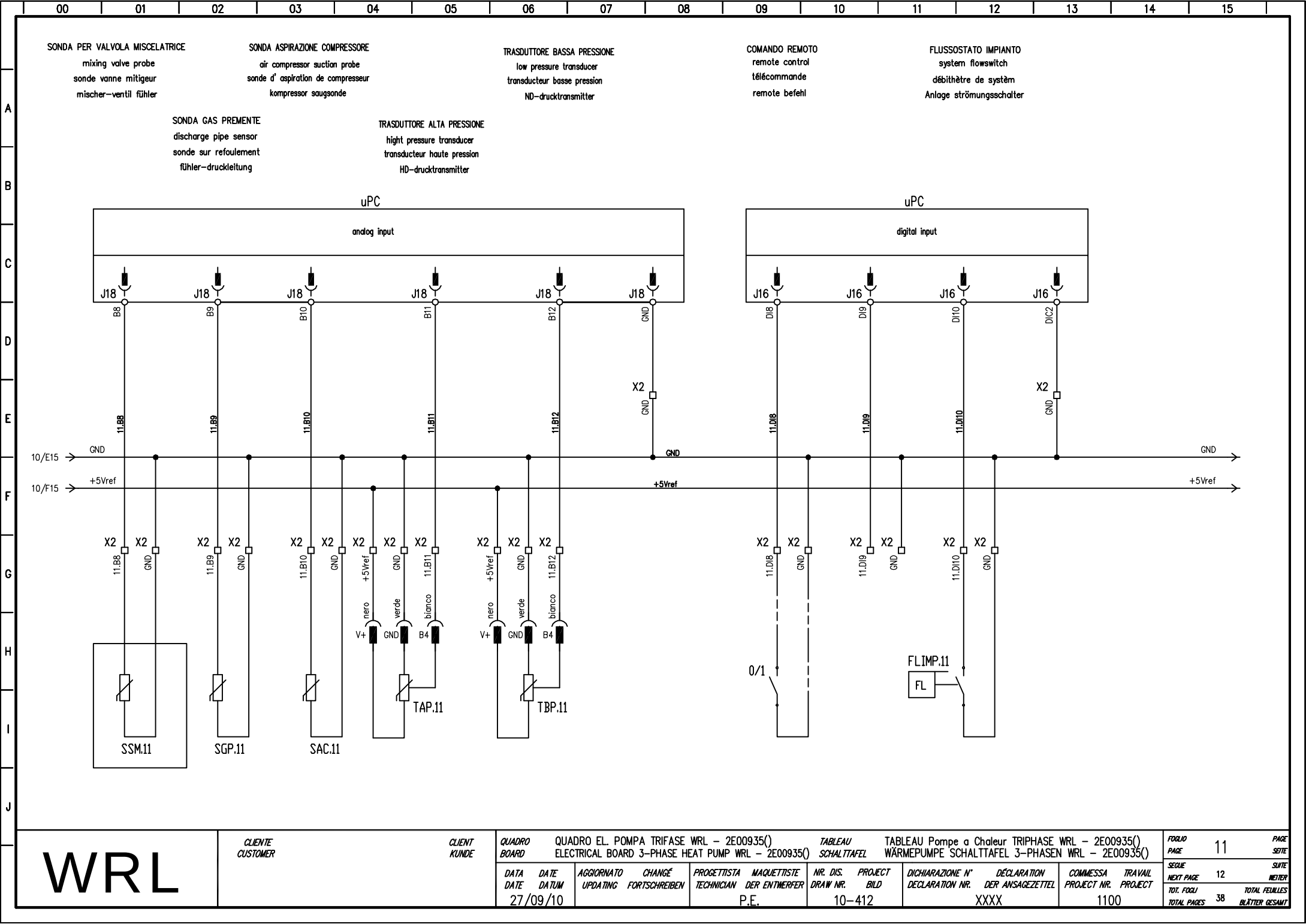
NR. DIS. PROJECT  
DRAW NR. BILD  
10-412

DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 38 BLÄTTER GESAMT

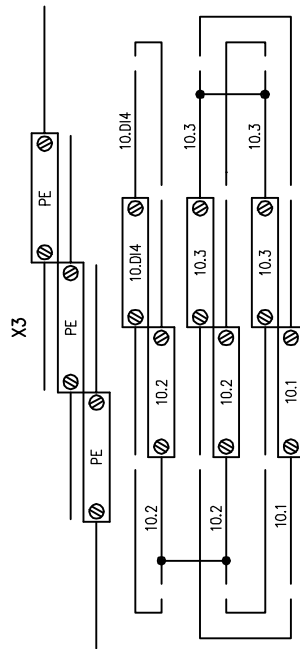
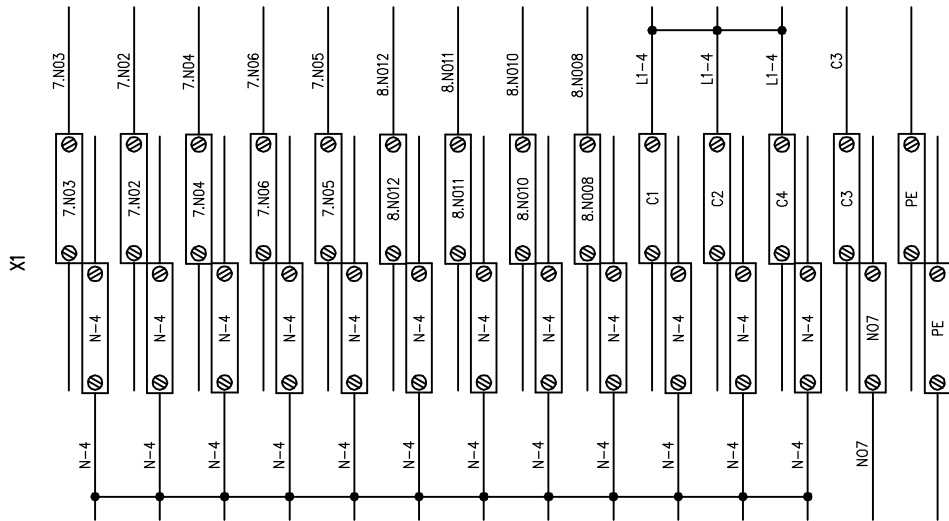






MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

MORSETTO TRIPLO G/V 2,5mmq MOLLA PE WAGO 2002-3207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00935()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00935()

TABE  
SCHALT

TABE  
WÄRMEPUMPE SCHALT 3-PHASEN WRL - 2E00935()

FOLIO  
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AGGIORNATO  
UPDATING  
CHANGE  
FORTSCHREIBEN

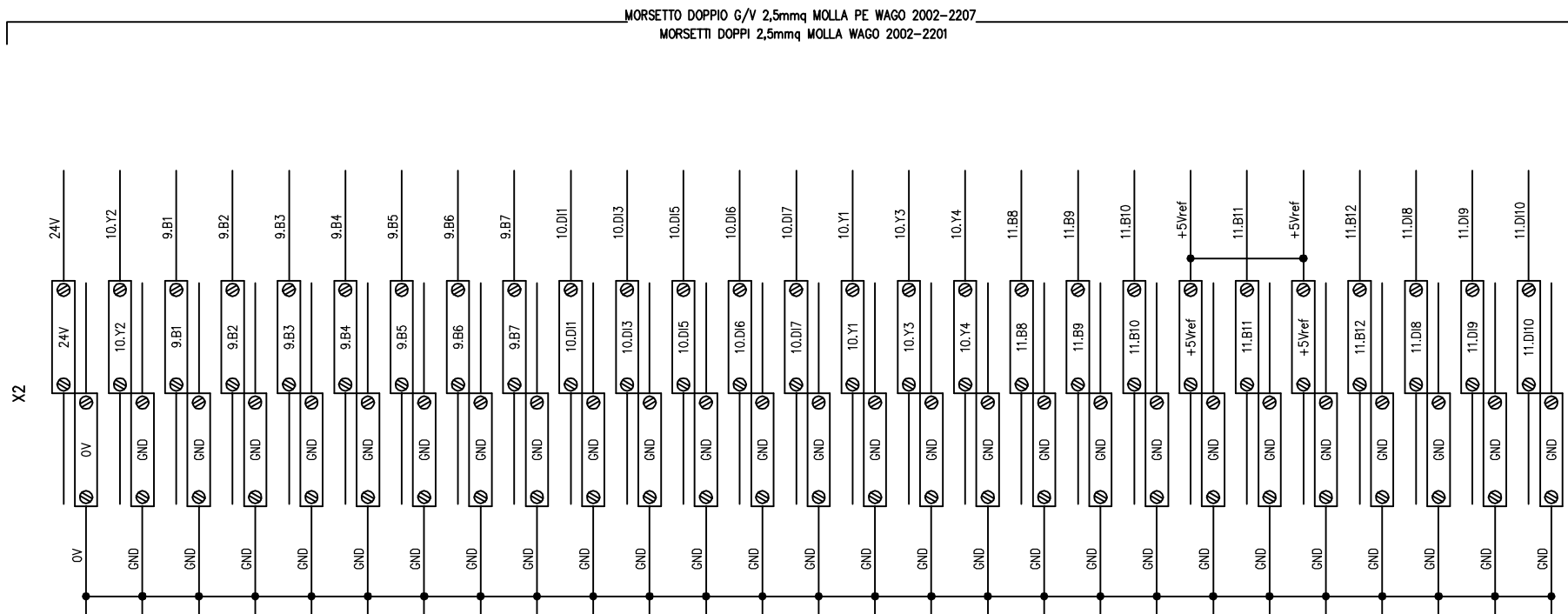
PROGETTISTA  
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DER ENTWERFER  
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NR. DIS.  
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PROJECT  
BILD  
10-412

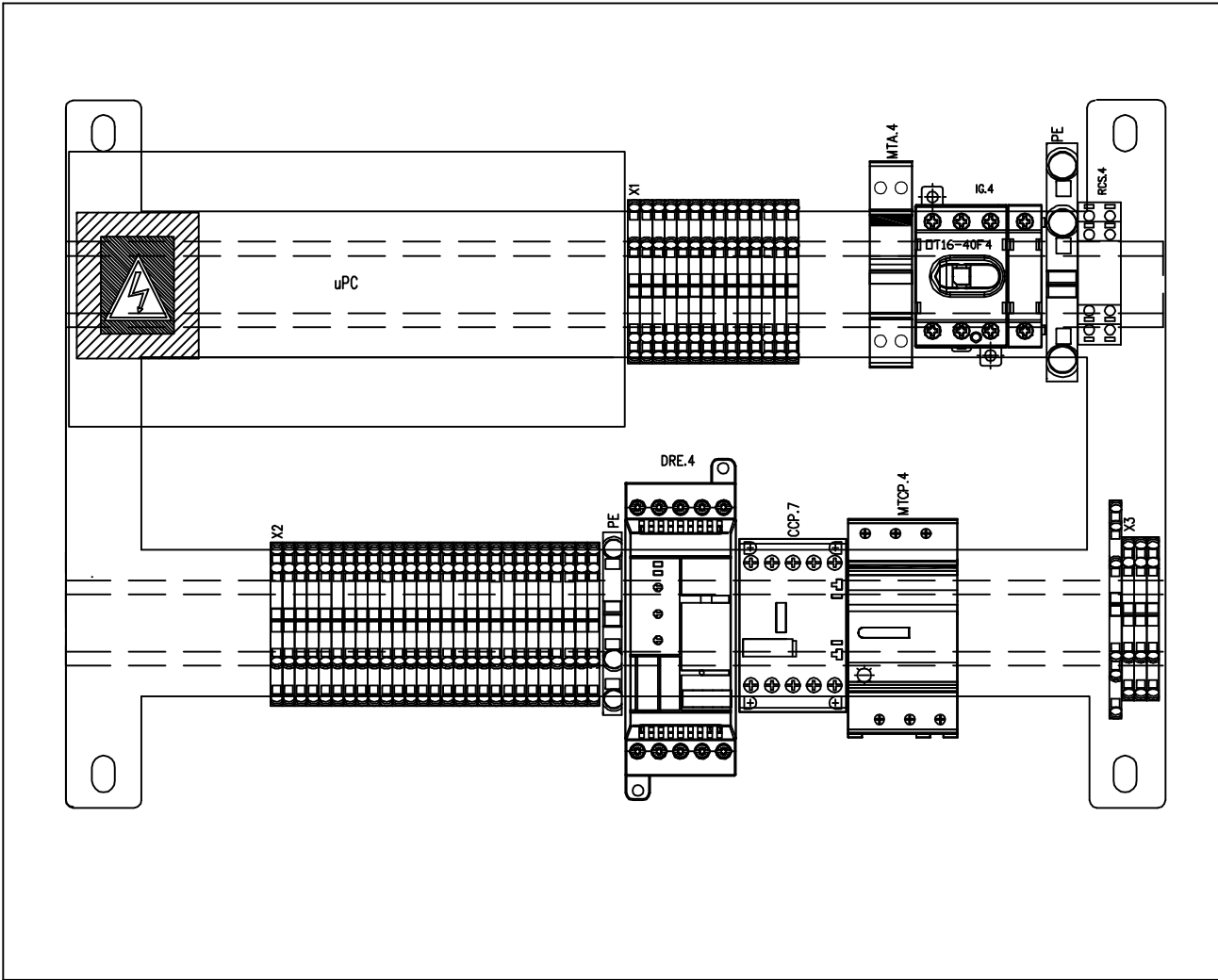
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DECLARATION NR.  
DER ANSAGEZETTEL  
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COMMESSA  
PROJECT NR.  
TRAVAIL  
PROJECT  
1100

SEQUE  
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TOT. FOGLI  
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SUITE  
WEITER  
TOTAL FEUILLES  
BLÄTTER GESAMT



VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                                                            | TECHNICAL DATA BOX                                                                                                           |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /                                   | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                               |
| DIMENSIONI                                                                                                                          | DIMENSION                                                                                                                    |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                                                  | height: 350<br>Width: 500<br>Deep: 160                                                                                       |
| NOTE                                                                                                                                | NOTES                                                                                                                        |
| DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSION                                                                                                                           | ABMESSUNGEN                                                                                                                  |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                                     | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                                        |
| NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

☐ QUADRO DI SERIE

☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel

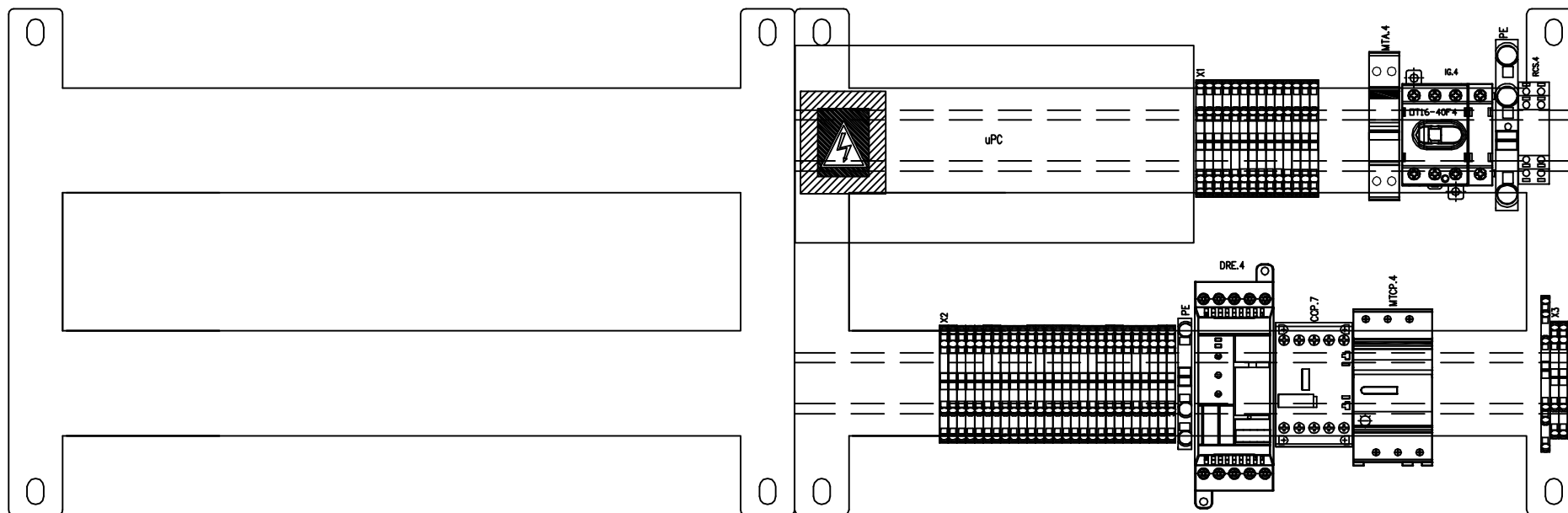
This technical drawing illustrates the PCB layout for a power supply unit. The layout includes several key components and connectors:

- uPC**: A central component, likely a microcontroller or power controller, with a lightning bolt symbol indicating a high-voltage or sensitive area.
- TR.5**: A transformer or rectifier component on the left side.
- DRE.4**: A diode or rectifier component in the center.
- CCP.7**: A component, possibly a capacitor or filter, located below the diode.
- MTA.4**: A component, likely a motor or actuator, on the right side.
- IG.4**: A component, possibly a relay or switch, located below the motor.
- DT16-40F.4**: A component, likely a diode or rectifier, located below the relay.
- RCS.4**: A component, possibly a resistor or capacitor, located below the diode.
- F.5**: A component, likely a fuse, located on the far right.
- X1, X2, X3**: Connectors or terminals located at the top, bottom, and right edges of the board.

The drawing shows the physical arrangement of these components, including their footprints, pin connections, and the overall board dimensions. The layout is symmetrical, with components arranged around a central horizontal axis.

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version avec Vanne modulante à deux voies  |
| <b>M</b> Version with 2-way modulating valve    | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



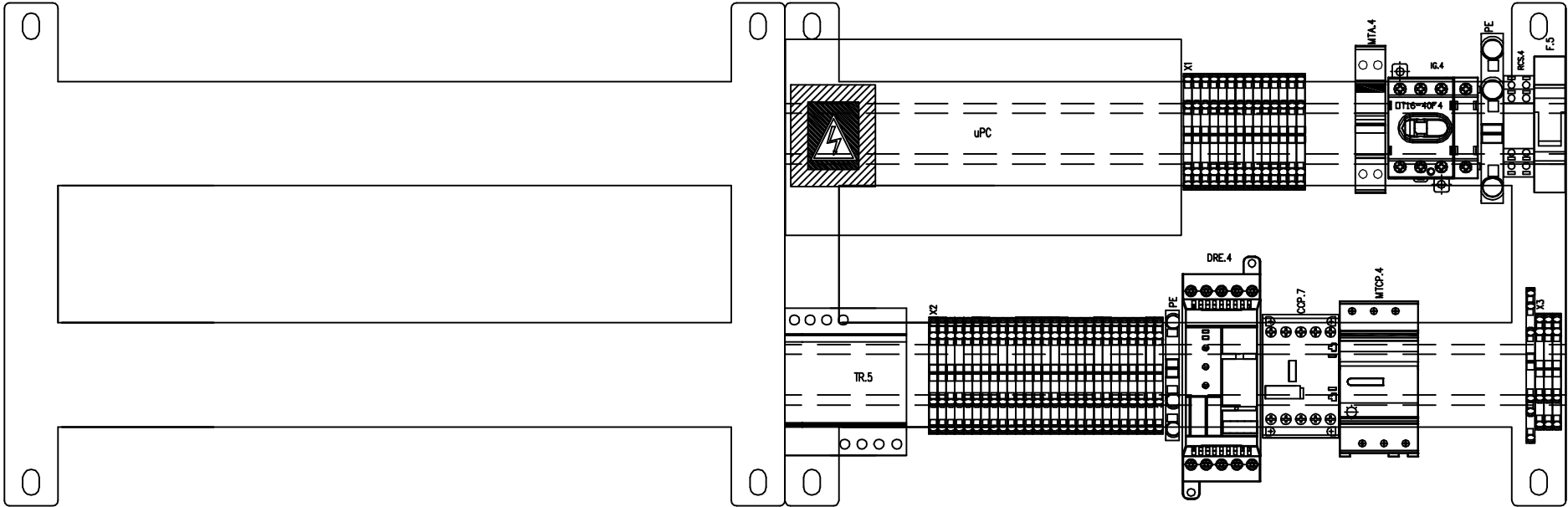
# WRL

|                |                |
|----------------|----------------|
| SEQUE          | SUITE          |
| NEXT PAGE 14C  | WEITERE        |
| TOT. FOGLI     | TOTAL FEUILLES |
| TOTAL PAGES 38 | BLÄTTER GESAMT |

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

|                                                                                                                               |                                                                                                                      |                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA<br>Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNICAL DATA BOX<br>Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI<br>Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                              | DIMENSION<br>height: 350<br>Width: 1040<br>Deep: 160                                                                 | DIMENSION<br>Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                                       | ABMESSUNGEN<br>Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                                        |
| NOTE                                                                                                                          | NOTES                                                                                                                | NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                            |                                                                |
|------------------------------------------------------------|----------------------------------------------------------------|
| <b>E</b> VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE | <b>E</b> Version avec Stockage + Vanne modulante à deux voies  |
| <b>E</b> Version with Storage + 2-way modulating valve     | <b>E</b> Version mit Lagerung + Modulierendes Zwei-Wege-Ventil |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00935()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00935()

TABEALU  
SCHALTAFEL

TABEALU Pompe a Chaleur TRIPHASE WRL - 2E00935()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00935()

FOGLIO  
PAGE

14C

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-412

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE  
14D

TOT. FOGLI  
TOTAL PAGES  
38

SUITE  
METRES  
TOTAL FEUILLES  
BLÄTTER GESAMT



|                                                       |            |           |        |
|-------------------------------------------------------|------------|-----------|--------|
| POMPA TRIFASE                                         |            |           | WRL050 |
| Quadro elettrico                                      |            | REV       |        |
| cod.                                                  | 2E00936    | 1         |        |
| cod.                                                  | 2E00936A   | 1         | A      |
| cod.                                                  | 2E00936M   | 1         | M      |
| cod.                                                  | 2E00936E   | 1         | E      |
|                                                       |            |           |        |
| rif.                                                  | 2E00787C_2 | 2E00857_3 |        |
| lotto                                                 | nr.: XXXX  |           |        |
| VERS.                                                 |            |           |        |
| NO SOFTSTARTER – NO MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |        |

|                                                                              |                                                                           |                                                                                 |                                                                                  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE                                     | <input type="checkbox"/> Standard Board                                   | <input type="checkbox"/> Tableau standard                                       | <input type="checkbox"/> serienmäßig schalttafel                                 |
| <input checked="" type="checkbox"/> A VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> A Version with Storage                | <input checked="" type="checkbox"/> A Version avec Stockage                     | <input checked="" type="checkbox"/> A Version mit Lagerung                       |
| <input checked="" type="checkbox"/> M VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> M Version with 2-way modulating valve | <input checked="" type="checkbox"/> M Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> M Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> E A + M                                  | <input checked="" type="checkbox"/> E A + M                               | <input checked="" type="checkbox"/> E A + M                                     | <input checked="" type="checkbox"/> E A + M                                      |

|                        |  |                     |  |                      |                |
|------------------------|--|---------------------|--|----------------------|----------------|
| WRL                    |  |                     |  |                      |                |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |                |
| COD. ARTICOLO          |  | Article Code        |  | 2E009360_01 03/03/11 |                |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE – 50 Hz 400V  |                |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V                    | 400 Hz 50      |
| POMPA DI CALORE WRL050 |  | Heat Pump WRL050    |  | A Max                | 9,6            |
|                        |  |                     |  |                      |                |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP                   | 2x             |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 | CEI EN 60335-1 |

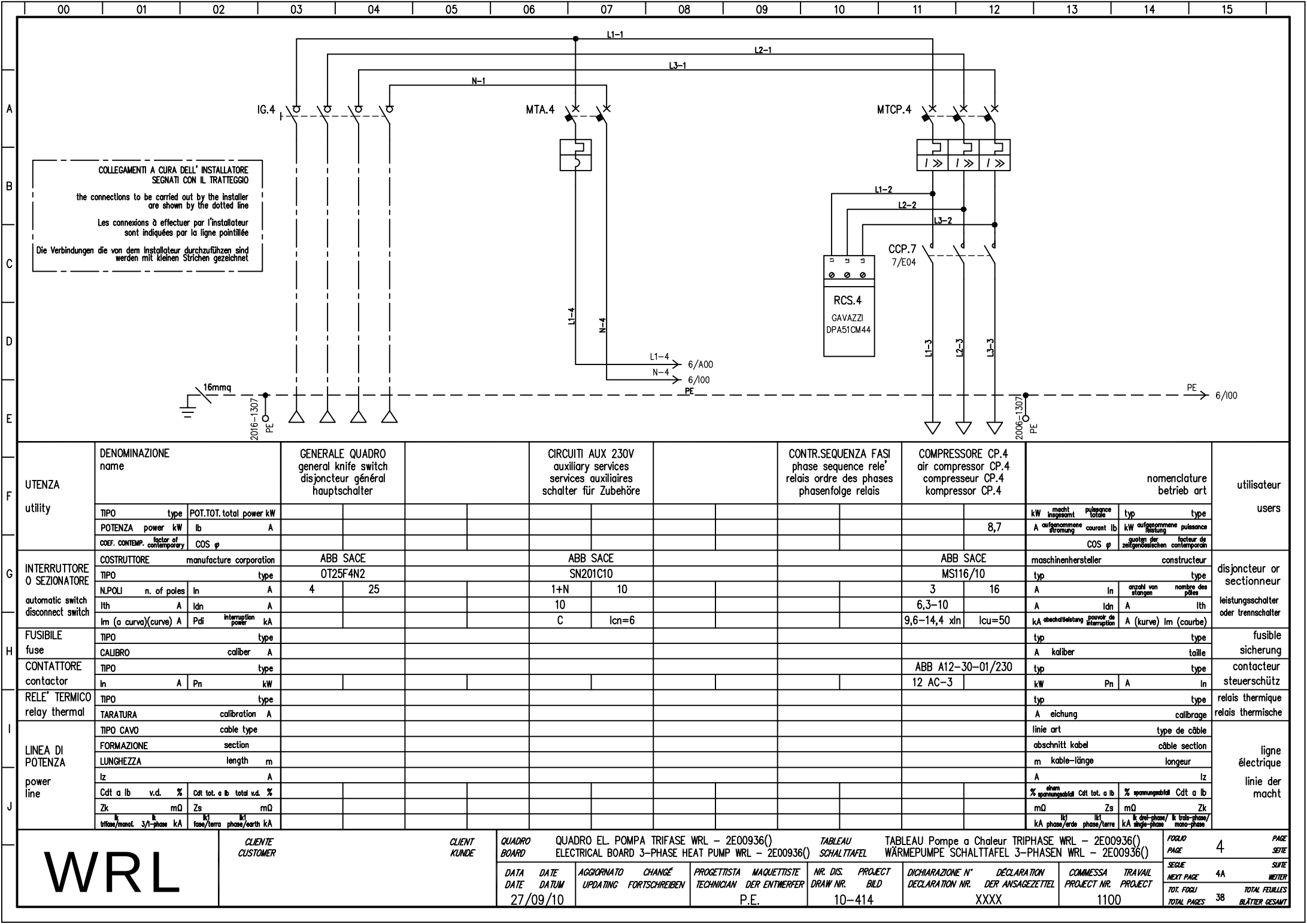
|                        |  |                     |  |                      |                |
|------------------------|--|---------------------|--|----------------------|----------------|
| WRL                    |  |                     |  |                      |                |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |                |
| Code Article           |  | Artikelcode         |  | 2E009360_01 03/03/11 |                |
| Alimentation           |  | Stromversorgung     |  | 3/N/PE – 50 Hz 400V  |                |
| Tension Nominale       |  | Nennspannung        |  | V                    | 400 Hz 50      |
| Pompe a Chaleur WRL050 |  | Wärmepumpe WRL050   |  | A Max                | 9,6            |
|                        |  |                     |  |                      |                |
| Degré de protection    |  | Schutzgrad          |  | IP                   | 2x             |
| Note                   |  | Anmerkungen:        |  | XXXX                 | CEI EN 60335-1 |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉE     |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|---------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD                 |
|                                                                                                                                                      |                 | 10-414                       |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                                                                                                                                                      |                 | 27/09/10                     |                                 |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00936                      | TABLEAU<br>SCHALTAFEL           |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 |                              |                                 |
|                                                                                                                                                      |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT              |
|                                                                                                                                                      |                 | 1100                         |                                 |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER    |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION | DÉCLARATION<br>DER ANSAGEZETTEL |
|                                                                                                                                                      |                 | XXXX                         |                                 |



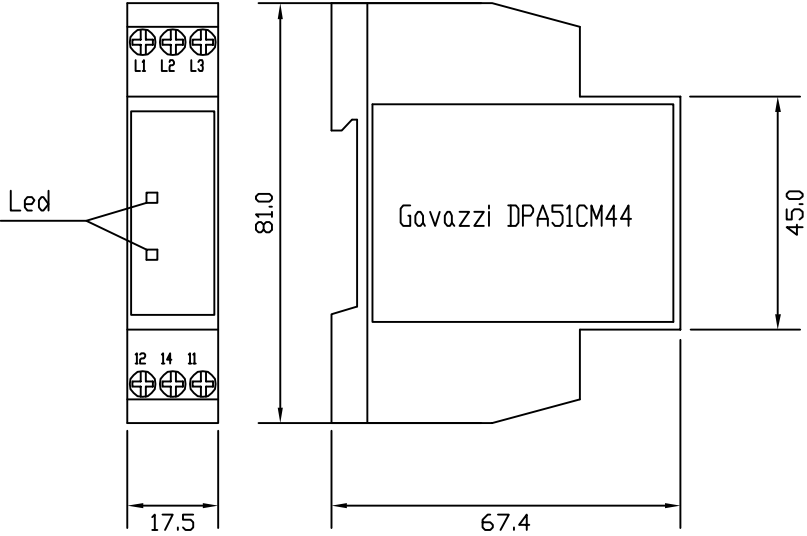
|        | 00                                | 01                                            | 02                                     | 03                                     | 04                               | 05                          | 06                               | 07                                     | 08                                    | 09                                    | 10 | 11       | 12      | 13       | 14      | 15 |
|--------|-----------------------------------|-----------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------|-----------------------------|----------------------------------|----------------------------------------|---------------------------------------|---------------------------------------|----|----------|---------|----------|---------|----|
| A      |                                   | ITALIANO                                      | ENGLISH                                | FRANCAIS                               | DEUTSCH                          |                             | ITALIANO                         | ENGLISH                                | FRANCAIS                              | DEUTSCH                               |    | ITALIANO | ENGLISH | FRANCAIS | DEUTSCH |    |
|        | O/1                               | INTERRUTTORE ACCESO/SPENTO                    | Switch On Off                          | Interrupteur On Off                    | Schalter ein/aus                 | AP                          | PRESSOSTATO DI ALTA              | "high pressure" control                | pressostat "haut pression"            | hochdruckpressostat                   |    |          |         |          |         |    |
|        | AE                                | ALLARME ESTERNO                               | remote alarm                           | alarme exterieur                       | fernstoermeldung                 | BP                          | PRESSOSTATO DI BASSA             | pressure switch "low pressure"         | pressostat "basse pression"           | druckschalter "niedrig druck"         |    |          |         |          |         |    |
|        | AL                                | ALLARME                                       | alarm                                  | alarme                                 | alarm                            | FL                          | FLUSSOSTATO                      | flowswitch                             | fluxostat                             | stromungswaechter                     |    |          |         |          |         |    |
|        | ALDEO                             | ALLARME DEUMIDIFICATORE                       | alarm dehumidifier                     | alarme déshumidificateur               | alarm entfuechter                | EXV                         | VALVOLA ELETTRONICA              | electronic electrovalve                | commande de électrovalve electronique | startsteuerung ventilelektronic       |    |          |         |          |         |    |
|        | ALSAN                             | ALLARME SANITARIO                             | health alert                           | alarme la santé                        | gesundheit alarm                 | FLGEO                       | FLUSSOSTATO GEOTERMICO           | geothermal flowswitch                  | débitmètre géothermie                 | Geothermie strömungsschalter          |    |          |         |          |         |    |
|        | ALIMP                             | ALLARME CALDAIA/RESISTENZA                    | boiler/heater alarm                    | alarme chaudiere/resistance            | dirm kessel/elekt. Widerstände   | FLUMP                       | FLUSSOSTATO IMPIANTO             | system flowswitch                      | débitmètre de système                 | Anlage strömungsschalter              |    |          |         |          |         |    |
|        | BL                                | BLU                                           | blue                                   | bleue                                  | blau                             | MAP                         | MORSETTIERA PRESSOSTATO DI ALTA  | pressure switch "high pressure" clamps | bornes de pressostat "gran pression"  | druckschalter "hock druck" klemmen    |    |          |         |          |         |    |
|        | CCP                               | CONTATTATORE COMPRESSORE                      | compressor contactor                   | contacteur compresseur                 | kompressorschuelz                | MBP                         | MORSETTIERA PRESSOSTATO DI BASSA | pressure switch "low pressure" clamps  | bornes de pressostat "basse pression" | druckschalter "niedrig druck" klemmen |    |          |         |          |         |    |
|        | CP                                | COMPRESSORE                                   | compressor                             | compresseur                            | kompressor                       | KSAE                        | SONDA ARIA ESTERNA               | ambient air probe                      | sonde air exterieur                   | aubenluftfuehler                      |    |          |         |          |         |    |
|        | CMPO                              | CONTATTATORE MOTOPOMPA                        | pump contactor                         | contacteur de pompe                    | steuerschütz pompe               | SAC                         | SONDA ASPIRAZIONE COMPRESSORE    | air compressor suction probe           | sonde d'aspiration de compresseur     | kompressor saugsonde                  |    |          |         |          |         |    |
|        | RCRE                              | RELE' CALDAIA/RESISTENZA IMPIANTO             | relay boiler / heating system          | relay chaudiere/système de chauffage   | relais kessel/heizung            | SIM                         | SONDA INGRESSO IMPIANTO          | input system probe                     | sonde de entrées installation         | sensor zwei anlage                    |    |          |         |          |         |    |
|        | RCRES                             | RELE' CALDAIA/RESISTENZA SANITARIO            | relay boiler / heating health          | relay chaudiere de chauffage de sante' | startsteuerung Kessel/Wassertank | SGP                         | SONDA GAS PREMENTE               | discharge pipe sensor                  | sonde sur refolement                  | fühler-druckleitung                   |    |          |         |          |         |    |
|        | DCP                               | DISPOSITIVO BASSE TEMPERATURE DEUMIDIFICATORE | low ambient temperature device         | dispositif pour basse temperature      | Wiederstände                     | SIGEO                       | SONDA INGRESSO GEOTERMICO        | input geothermal probe                 | sonde entree géothermique             | geothermie sensor                     |    |          |         |          |         |    |
|        | DRE                               | AVVIATORE                                     | dehumidifier                           | dehumidificateur                       | entfeuchters                     | SIW                         | SONDA INGRESSO ACQUA (NTC)       | water inlet probe (NTC)                | sonde entree eau (NTC)                | fühler-wassereintritt (NTC)           |    |          |         |          |         |    |
|        | F                                 | FUSIBILE                                      | softstarter                            | démarrreur                             | anlasser                         | SIWH                        | SONDA INGRESSO ACQUA (NTC)       | water inlet probe (NTC)                | sonde entree eau (NTC)                | fühler-wassereintritt (NTC)           |    |          |         |          |         |    |
|        | FRC                               | FILTRO ANTIDISTURBO                           | Interference suppressor                | antiparasitage                         | sicherung                        | SRIM                        | SONDA RITORNO IMPIANTO           | output system probe                    | sonde de sorties installation         | Ausgang Wärmetauscher sensor          |    |          |         |          |         |    |
|        | IG                                | INTERRUTTORE GENERALE                         | Interference suppressor                | antiparasitage                         | Funkentstörung                   | SSAN                        | SONDA SANITARIO                  | probe health                           | sonde de santé                        | probe gesundheit                      |    |          |         |          |         |    |
|        | L                                 | FASE DI ALIMENTAZIONE                         | Mian switch                            | Interrupteur général                   | Hauptschalter                    | SUGEO                       | SONDA USCITA GEOTERMICO          | output geothermal probe                | sonde sortie géothermique             | ausgang erdwärsonde                   |    |          |         |          |         |    |
| M      | MORSETTIERA                       | phase of power supply                         | phase de alimentation                  | phasen vom Stromversorgung             | SUIM                             | SONDA USCITA IMPIANTO       | output system probe              | sonde sortie instalation               | sensor ausgang anlage                 |                                       |    |          |         |          |         |    |
| MA     | MARRONE                           | clamps                                        | bornes                                 | klemmen                                | SUR                              | SONDA USCITA RECUPERATORE   | recovery outlet probe            | sonde sortie recuperation              | regenerator fñhler-austritt           |                                       |    |          |         |          |         |    |
| MCN    | MORSETTIERA DI COMANDO            | control clamps                                | bornes de commande                     | startsteuerung klemmen                 | SUW                              | SONDA USCITA ACQUA (NTC)    | water outlet probe (NTC)         | sonde sortie eau (NTC)                 | fühler-wasseraustritt (NTC)           |                                       |    |          |         |          |         |    |
| MPO1   | MOTOPOMPA GEOTERMICO              | geothermal pump                               | pompe géothermie                       | Geothermie pumpe                       | SUWH                             | SONDA USCITA ACQUA (NTC)    | water outlet probe (NTC)         | sonde sortie eau (NTC)                 | fühler-wasseraustritt (NTC)           |                                       |    |          |         |          |         |    |
| MPO2   | MOTOPOMPA PRIMARIO                | primary pump                                  | pompe primaire                         | primär pumpe                           | SSM                              | SONDA VALVOLA MISCELATRICE  | mixing valve probe               | sonde robinet mélange                  | Mischerventil probe                   |                                       |    |          |         |          |         |    |
| MPO3   | MOTOPOMPA SANITARIO               | water tank pump                               | pompe pour ballon ECS                  | pumpe im Wassertank                    | TAP                              | TRASDUTTORE ALTA PRESSIONE  | high pressure trasducer          | transducteur haute pression            | HD-drucktransmitter                   |                                       |    |          |         |          |         |    |
| MRTF   | MORSETTIERA REG. TAGLIO DI FASE   | governor-cut phase clamps                     | bornes de gouverneur coupe phase       | klemmen der gouverneur cut-phase       | TBP                              | TRASDUTTORE BASSA PRESSIONE | low pressure trasducer           | transducteur basse pression            | ND-drucktransmitter                   |                                       |    |          |         |          |         |    |
| MSN    | MORSETTIERA DI SEGNALE            | signal clamps                                 | bornes de signal                       | signal klemmen                         |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| MTA    | MAGNETOTERMICO AUSILIARI          | auxiliary services magneto-thermal            | magneto-thermique services auxiliaires | schalter für Zubehöre                  |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| MTMPO  | MAGNETOTERMICO POMPA              | pump magneto-thermal                          | magneto-thermique de pompe             | schalter für pumpe                     |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| MTCP   | MAGNETOTERMICO COMPRESSORE        | compressor magneto-thermal                    | magnetho-thermique compresseur         | motorschuttschalter kompressor         |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| MTR    | INTERRUTTORE RISCALDATORE         | Heater switch                                 | magneto-thermique Chauffage            | Heizvorrichtung schalter               |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| N      | NEUTRO DI ALIMENTAZIONE           | neutral of power supply                       | neutre de alimentation                 | neutral vom Stromversorgung            |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| NE     | NERO                              | black                                         | noir                                   | schwarz                                |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| PE     | COLLEGAMENTO DI TERRA             | grounded                                      | mise à la terre                        | erdungskontakt                         |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| PD     | PRESSOSTATO DIFFERENZIALE         | differential pressure switch                  | pressostat différentiel                | druckdifferenzschalter                 |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| PDH    | PRESSOSTATO DIFFERENZIALE         | differential pressure switch                  | pressostat différentiel                | druckdifferenzschalter                 |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RPMIX1 | RELE' POMPA ZONA 1                | relay pump zone 1                             | relais pompe de zone 1                 | relay pumpe in zone 1                  |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| PR     | PANNELLO REMOTO                   | remote panel                                  | commande a distance                    | remote panel                           |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| R      | RELE'                             | rele'                                         | relais                                 | relais                                 |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RAP    | RELE' ALTA PRESSIONE              | "high pressure" relay                         | Relais haute pression                  | hockdruckrelais                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RC     | RESISTENZA OLIO COMPRESSORE       | compressor oil heater                         | résistance huile CP                    | kubelwannenheizung                     |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RCP    | RELE' COMPRESSORE                 | air compressor rele'                          | relais de compresseur                  | kompressor relais                      |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RCS    | RELE' CONTROLLO SEQUENZA          | phase sequence relay                          | relais sequenciel                      | relais phasenreihenfolge               |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RE     | RESISTENZA ANTIGELO               | antifreeze resistances                        | résistance antigel                     | relais einfriererhütend                |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RER    | ANTIGELO RECUPERO                 | antifreeze recovery                           | recouvrement antigel                   | Wiederstände                           |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RMPO   | RELE' MOTOPOMPA                   | pump rele'                                    | relais de pompe                        | antifreeze recovery                    |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RI     | RISCALDATORE                      | heating device                                | relais de pompe                        | pumpe relais                           |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RVSE   | RELE' VALVOLA ECONOMIZER          | economizer rele'                              | chauffage                              | heizvorrichtung                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| RX     | RESISTENZA BACINELLA              | tray resistance                               | relais de economizer                   | economizer relais                      |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| SET    | SECONDO SET                       | second set                                    | résistance de bassins                  | economizer relais                      |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| SIC    | CATENA SICUREZZE                  | thermal emergencies                           | second set                             | tropfschale Widerstände                |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| TEP    | RELE' RITARDATO                   | delayed rele'                                 | thermiques sécurité                    | zweite set                             |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| TGP    | TERMOSTATO GAS PREMENTE           | discharge gas thermostat                      | relais retard                          | sicherheit spannungsreiche             |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| TR     | TRASFORMATORE                     | Transformer                                   | thermostat de gaz de décharge          | zeit relais                            |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| TP     | TRASDUTTORE DI PRESSIONE          | pressure transducer                           | transformateur                         | Druckgas Thermostat                    |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| TSME   | TERMOSTATO MECCANICO              | mechanical thermostat                         | transducteur pression                  | Transformator                          |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| TSRE   | TERMOSTATO RESISTENZE ANTIGELO    | antifreeze resistances thermostat             | thermostat de résistance               | drucktransmitter                       |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| TSRI   | TERMOSTATO SICUREZZA RISCALDATORE | heating device safety thermostat              | antigel                                | thermischer mechanische                |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| TSVSE  | TERMOSTATO ECONOMIZER             | economizer thermostat                         | thermostat de résistance antigel       | einfriererhütend Widerstände           |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| TV     | TERMICA VENTILATORE               | thermistor fan coil                           | thermostat de sécurité chauffage       | thermischer                            |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| V3VF   | VALVOLA A 3 VIE FREECOOLING       | three-way valve freecooling                   | Thermostat economizer                  | thermischer economizer                 |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| V3VS   | VALVOLA A 3 VIE SANITARIO         | three-way valve health                        | thermistance ventilateur               | thermistor gebläse                     |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| VIC    | VALVOLA INVERSIONE CICLO          | reversal cycle valve                          | vanne à trois voies freecooling        | dreivegeventil freecooling             |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| VLS    | VALVOLA INTERCETTAZIONE LIQUIDO   | electrovalve liquid interception              | vanne à trois voies de santé           | dreivegeventil gesundheit              |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| VMD    | VALVOLA MODULANTE A 2 VIE         | 2-way modulating valve                        | vanne inversion de cycle               | umkehrventil                           |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| VMS    | VALVOLA MODULANTE SANITARIO       | modulating valve health                       | électrovalve interception de liquide   | liquid abfangen magnetventil           |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| VMIX1  | VALVOLA MISCELATRICE ZONA 1       | mixing valve zone 1                           | Vanne modulante à deux voies           | Modulierendes Zwei-Wege-Ventil         |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| VS     | VALVOLA SOLENOIDE INIEZ. LIQUIDO  | electrovalve injection of liquid              | Modulation de la santé valve           | RegelVentil gesundheit                 |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
| VSE    | VALVOLA SOLENOIDE ECONOMIZER      | electrovalve economizer                       | Vanne de zone de mélange 1             | nischer-Ventil zone 1                  |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               | électrovalve injection de liquide      | elektroventil injection vom flüssigen  |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               | électrovalve economizer                | elektroventil economizer               |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
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|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
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|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
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|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
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|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
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|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |
|        |                                   |                                               |                                        |                                        |                                  |                             |                                  |                                        |                                       |                                       |    |          |         |          |         |    |



|     |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
|-----|----|---------------------|-----------------|----------|-------|----------------------------------------------------|---------------|-------------|---------------|--------------------------------------------------|---------|------------------|------------------|-------------|---------|-------------|----------------|
|     | 00 | 01                  | 02              | 03       | 04    | 05                                                 | 06            | 07          | 08            | 09                                               | 10      | 11               | 12               | 13          | 14      | 15          |                |
| A   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| B   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| C   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| D   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| E   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| F   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| G   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| H   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| I   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| J   |    |                     |                 |          |       |                                                    |               |             |               |                                                  |         |                  |                  |             |         |             |                |
| WRL |    | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   |       | QUADRO EL. POMPA TRIFASE WRL - 2E00936()           |               | TABLEAU     |               | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00936() |         | FOLIO            |                  | PAGE        |         | PAGE        |                |
|     |    |                     |                 | BOARD    |       | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00936() |               | SCHALTAFEL  |               | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00936()   |         | NEXT PAGE        |                  | 4B          |         | SUITE       |                |
|     |    |                     |                 | DATA     | DATE  | AGGIORNATO                                         | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.                                         | PROJECT | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL | TOT. FOGLI  | TOTAL FEUILLES |
|     |    |                     |                 | DATE     | DATUM | UPDATING                                           | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.                                         | BILD    | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | TOTAL PAGES | BLÄTTER GESAMT |
|     |    |                     |                 | 27/09/10 |       |                                                    |               | P.E.        |               | 10-414                                           |         | XXXX             |                  | 1100        |         | 38          |                |

IN ALTERNATIVA  
alternative  
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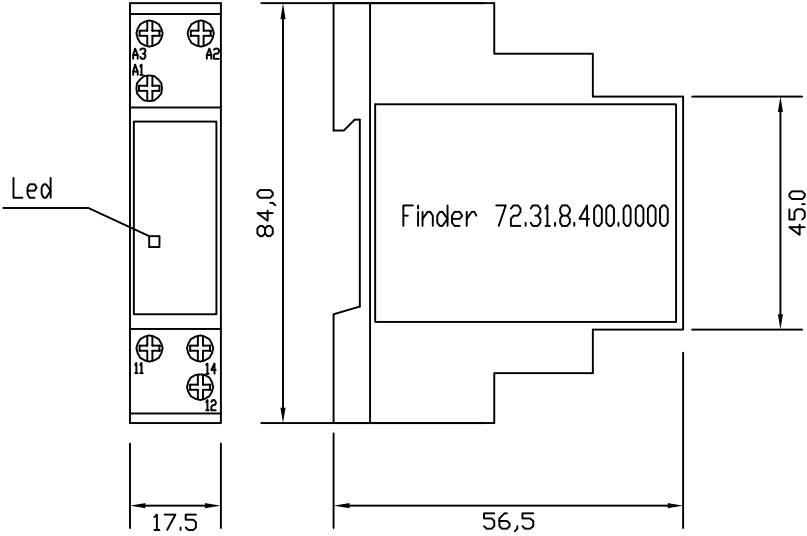
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RCS.4  
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IN ALTERNATIVA  
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14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00936()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00936()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00936()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00936()

FOGLIO  
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DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
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10-414

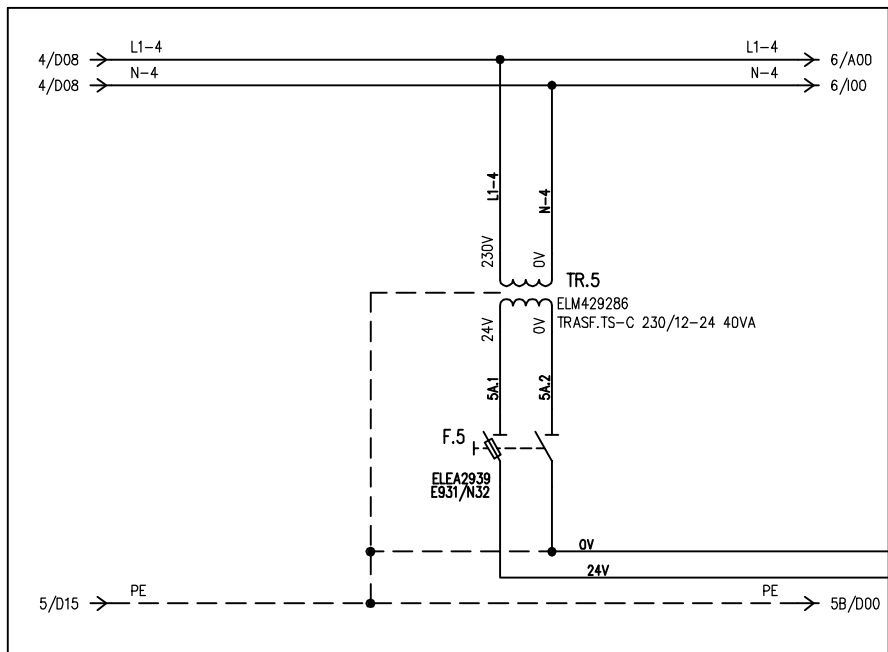
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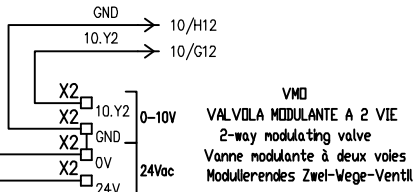
SEQUE' SUITE  
NEXT PAGE 5  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 38 BLATTIER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|--------------------------------------------------|---------|------------------|------------------|-------------|---------|----------------|----|---------|
|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08                                               | 09      | 10               | 11               | 12          | 13      | 14             | 15 |         |
| A   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| B   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| C   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| D   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| E   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| F   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| G   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| H   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| I   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| J   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |         |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00936()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00936() |         |                  |                  | FORNID      | 5       | PAGE           |    |         |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00936() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00936()   |         |                  |                  | PAGE        |         | SEITE          |    |         |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGÉ        | PROGETTISTA | MAQUETTISTE   | NR. DIS.                                         | PROJECT | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL | SEQUE          |    | SUITE   |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.                                         | BILD    | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | NEXT PAGE      | 5A | NIETTER |
|     |                     |                 | 27/09/10 |                                                    |            | P.E.          |             | 10-414        |                                                  | XXXX    |                  | 1100             | TOT. FOGLI  | 38      | TOTAL FEUILLES |    |         |
|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  | TOTAL PAGES |         | BLÄTTER GESAMT |    |         |

A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |            | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |    |  |  |  |  |  |  | nomenclature<br>betrieb art |                                                   | utilisateur                      |                            |                                                                              |                 |                                               |          |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|----|--|--|--|--|--|--|-----------------------------|---------------------------------------------------|----------------------------------|----------------------------|------------------------------------------------------------------------------|-----------------|-----------------------------------------------|----------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |            |                                                                                    |    |  |  |  |  |  |  | kW                          | macht<br>Insgesamt                                | puissance<br>totale              | typ                        | type                                                                         |                 |                                               |          |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |            |                                                                                    |    |  |  |  |  |  |  | A                           | aufgenommene<br>Stromung                          | courant lb                       | kW                         | aufgenommene<br>leistung                                                     |                 |                                               |          |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |            |                                                                                    |    |  |  |  |  |  |  |                             | COS φ                                             | quoten der<br>zeitgleichzeitigen | facteur de<br>contemporain |                                                                              |                 |                                               |          |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |            |                                                                                    |    |  |  |  |  |  |  | maschinenhersteller         |                                                   | constructeur                     |                            | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |                 |                                               |          |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |            |                                                                                    |    |  |  |  |  |  |  | typ                         |                                                   | type                             |                            |                                                                              |                 |                                               |          |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N        |                                                                                    |    |  |  |  |  |  |  | A                           | In                                                | anzahl von<br>stangen            | nombre des<br>pôles        |                                                                              |                 |                                               |          |
|                                                                            | lth                                    | A                         | Idn                     | A                                                                                       |            |                                                                                    |    |  |  |  |  |  |  | A                           | Idn                                               | A                                | lth                        |                                                                              |                 |                                               |          |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA         |                                                                                    |    |  |  |  |  |  |  | kA                          | abschaltleistung<br>pourvoir de<br>l'interruption | A (kurve) Im (courbe)            |                            |                                                                              |                 |                                               |          |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |            |                                                                                    |    |  |  |  |  |  |  | typ                         |                                                   | type                             |                            |                                                                              |                 |                                               |          |
| CONTATTORE<br>contactor                                                    | CALIBRO                                | caliber                   |                         | 2A gL                                                                                   |            |                                                                                    |    |  |  |  |  |  |  | A                           |                                                   | kaliber                          |                            | taille                                                                       |                 |                                               |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |    |  |  |  |  |  |  | typ                         |                                                   | type                             |                            |                                                                              |                 |                                               |          |
| RELE' TERMICO<br>relay thermal                                             | In                                     | A                         | Pn                      | kW                                                                                      |            |                                                                                    |    |  |  |  |  |  |  | kW                          | Pn                                                | A                                | In                         |                                                                              |                 |                                               |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |    |  |  |  |  |  |  | typ                         |                                                   | type                             |                            |                                                                              |                 |                                               |          |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TARATURA                               | calibration               |                         | A                                                                                       |            |                                                                                    |    |  |  |  |  |  |  | A                           |                                                   | eichung                          |                            | calibrage                                                                    |                 | ligne<br>électrique<br><br>linie der<br>macht |          |
|                                                                            | TIPO CAVO                              | cable type                |                         |                                                                                         |            |                                                                                    |    |  |  |  |  |  |  | linie art                   |                                                   | type de câble                    |                            |                                                                              |                 |                                               |          |
|                                                                            | FORMAZIONE                             | section                   |                         |                                                                                         |            |                                                                                    |    |  |  |  |  |  |  | abschnitt kabel             |                                                   | câble section                    |                            |                                                                              |                 |                                               |          |
|                                                                            | LUNGHEZZA                              | length                    |                         | m                                                                                       |            |                                                                                    |    |  |  |  |  |  |  | m                           |                                                   | kable-länge                      |                            | longueur                                                                     |                 |                                               |          |
|                                                                            | Iz                                     | A                         |                         |                                                                                         |            |                                                                                    |    |  |  |  |  |  |  | A                           |                                                   | Iz                               |                            |                                                                              |                 |                                               |          |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d. | %                                                                                  |    |  |  |  |  |  |  |                             | %                                                 | spannungsfaktor                  | Cdt tot. a lb              | %                                                                            | spannungsfaktor |                                               | Cdt a lb |
|                                                                            | Zk                                     | mQ                        | Zs                      | mQ                                                                                      |            |                                                                                    |    |  |  |  |  |  |  |                             | mQ                                                | Zs                               | mQ                         | Zk                                                                           |                 |                                               |          |
| Ik                                                                         | trifase/monof.                         | 3/1-phase                 | kA                      | Ik                                                                                      | fase/terra | phase/earth                                                                        | kA |  |  |  |  |  |  | Ik                          | trifase/monof.                                    | 3/1-phase                        | kA                         | Ik                                                                           | trifase/monof.  | 3/1-phase                                     | kA       |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00936()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00936()

TABEALU  
SCHALTAFEL

TABEALU Pompe a Chaleur TRIPHASE WRL - 2E00936()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00936()

FOLIO  
PAGE

5A

PAGE  
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UPDATING

CHANGE  
FORTSCHRIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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SEQUE  
NEXT PAGE

5B

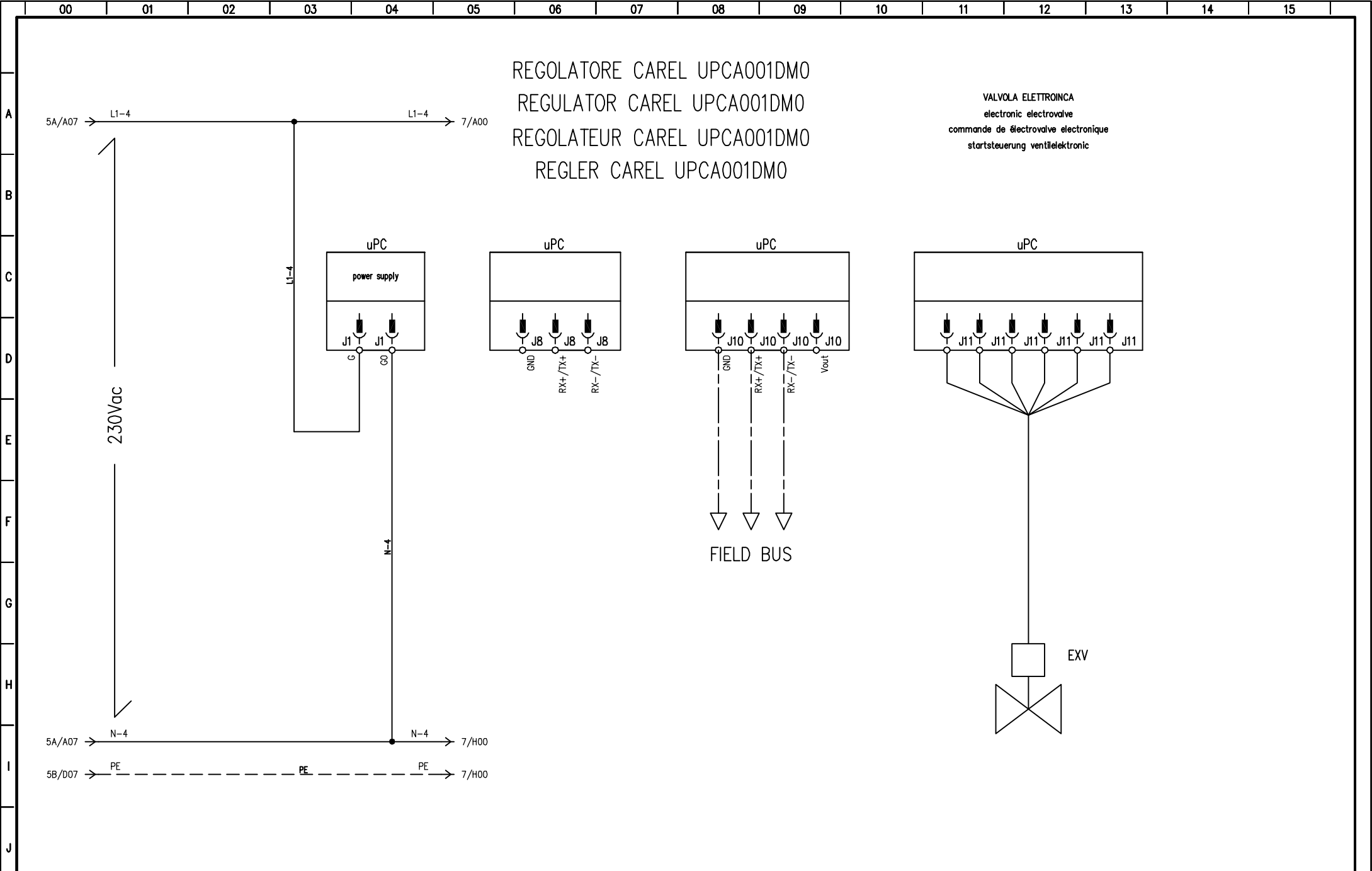
SUITE  
METER

TOT. FOLII  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|------------|--------------------------------------------------|------------------|------------------|-------------|-------------|-----------|----------------|-------|
|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08         | 09                                               | 10               | 11               | 12          | 13          | 14        | 15             |       |
| A   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| B   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| C   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| D   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| E   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| F   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| G   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| H   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| I   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| J   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00936()           |            |               |             |               | TABLEAU    | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00936() |                  |                  |             |             | FOGLIO    | 5B             | PAGE  |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00936() |            |               |             |               | SCHALTAFEL | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00936()   |                  |                  |             |             | PAGE      |                | SEITE |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.   | PROJECT                                          | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL     | SEQUE     |                | SUITE |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.   | BILD                                             | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT     | NEXT PAGE |                | 6     |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-414     |                                                  | XXXX             |                  | 1100        | TOT. FOGLI  | 38        | TOTAL FEUILLES |       |
|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             | TOTAL PAGES |           | BLÄTTER GESAMT |       |



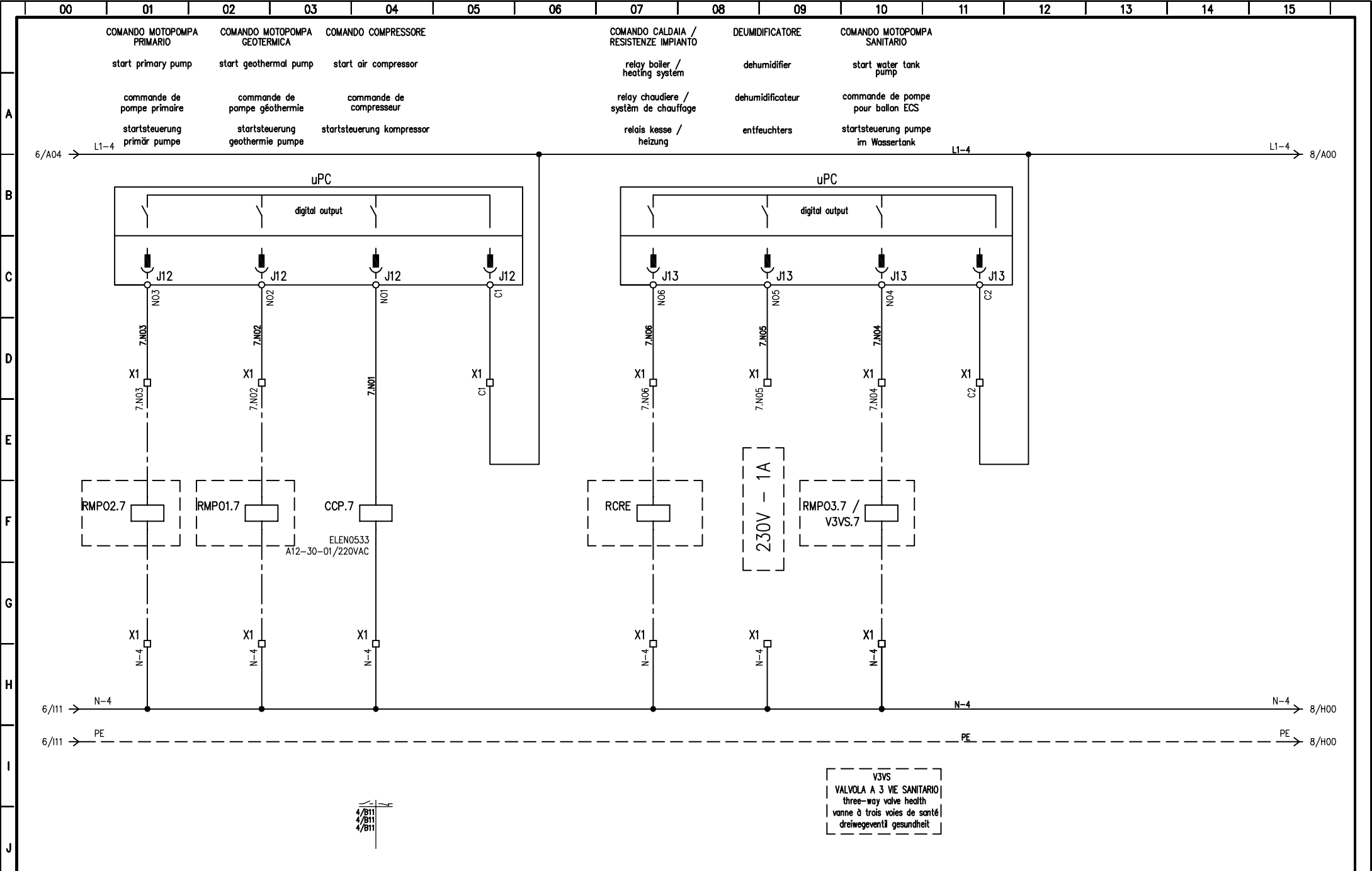
REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |         |  |                |  |                |  |
|---------------------|--|-----------------|--|------------|--|----------------------------------------------------|--|-------------|--|---------------|--|--------------------------------------------------|--|---------|--|------------------|--|------------------|--|-------------|--|---------|--|----------------|--|----------------|--|
| CLIENTE<br>CUSTOMER |  | CLIENT<br>KUNDE |  | QUADRO     |  | QUADRO EL. POMPA TRIFASE WRL – 2E00936()           |  |             |  | TABLEAU       |  | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00936() |  |         |  | Foglio           |  | PAGE             |  |             |  |         |  |                |  |                |  |
|                     |  |                 |  | BOARD      |  | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL – 2E00936() |  |             |  | SCHALTAFEL    |  | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL – 2E00936()   |  |         |  | PAGE             |  | 6                |  |             |  |         |  |                |  |                |  |
|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |         |  |                |  |                |  |
| DATA                |  | DATE            |  | AGGIORNATO |  | CHANGE                                             |  | PROGETTISTA |  | MAQUETTISTE   |  | NR. DIS.                                         |  | PROJECT |  | DICHIARAZIONE N° |  | DÉCLARATION      |  | COMMESSA    |  | TRAVAIL |  | SERIE          |  | SUITE          |  |
| DATE                |  | DATUM           |  | UPDATING   |  | FORTSCHREIBEN                                      |  | TECHNICIAN  |  | DER ENTWERFER |  | DRAW NR.                                         |  | BILD    |  | DECLARATION NR.  |  | DER ANSAGEZETTEL |  | PROJECT NR. |  | PROJECT |  | NEXT PAGE      |  | 7              |  |
| 27/09/10            |  |                 |  |            |  |                                                    |  | P.E.        |  |               |  | 10-414                                           |  |         |  | XXXX             |  |                  |  | 1100        |  |         |  | TOT. FOGLI     |  | TOTAL FEUILLES |  |
|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  | 38      |  | BLÄTTER GESAMT |  |                |  |





WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00936()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00936()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00936()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00936()

FOGLIO  
PAGE

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PAGE  
SEITE

DATA  
DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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NEXT PAGE

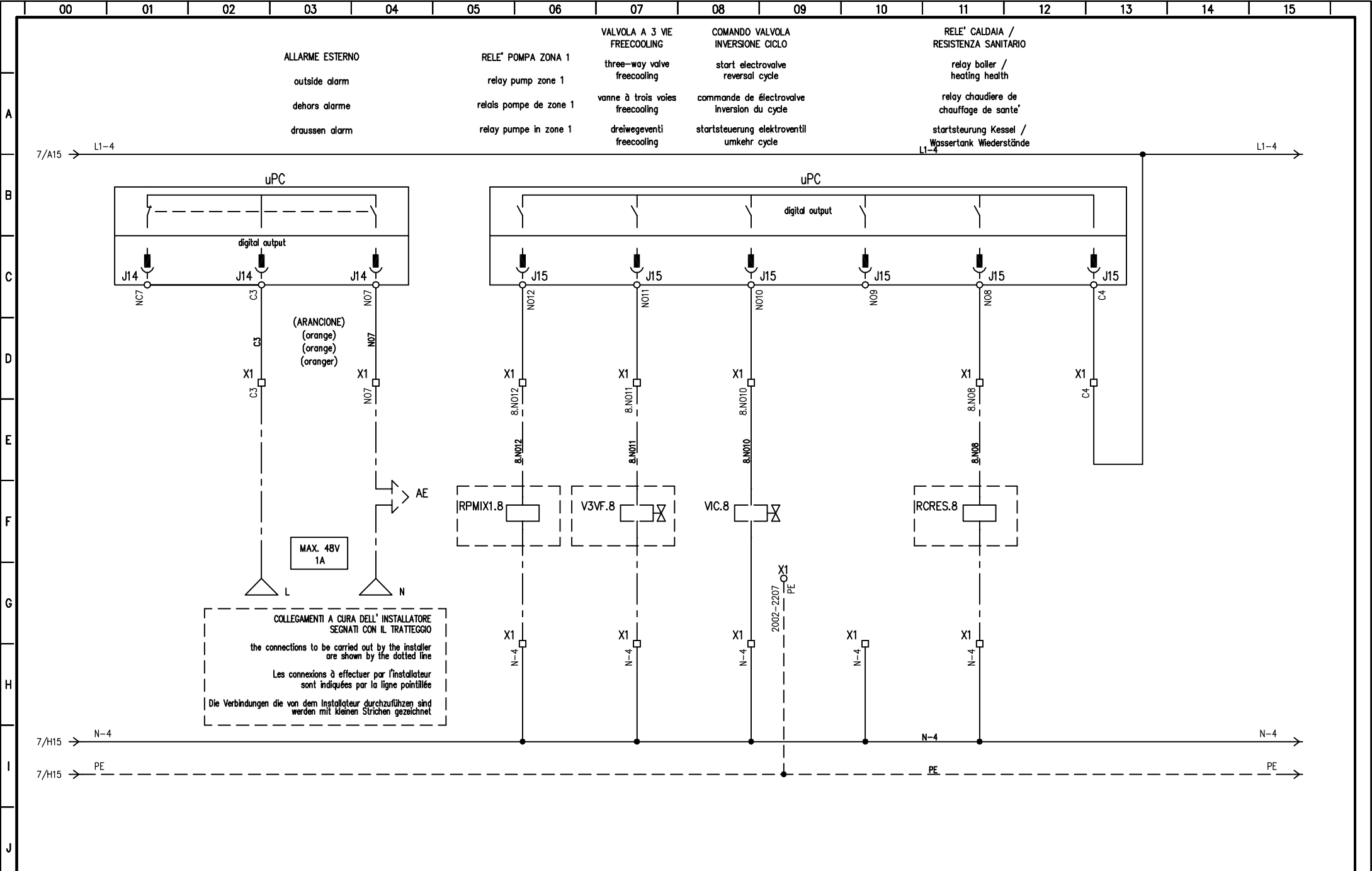
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SUITE  
METER

TOT. FOGLI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00936()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00936()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00936()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00936()

FOLIO  
PAGE

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DATA  
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DATUM

AGGIORNATO  
UPDATING

CHANGÉ  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

1100

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NEXT PAGE

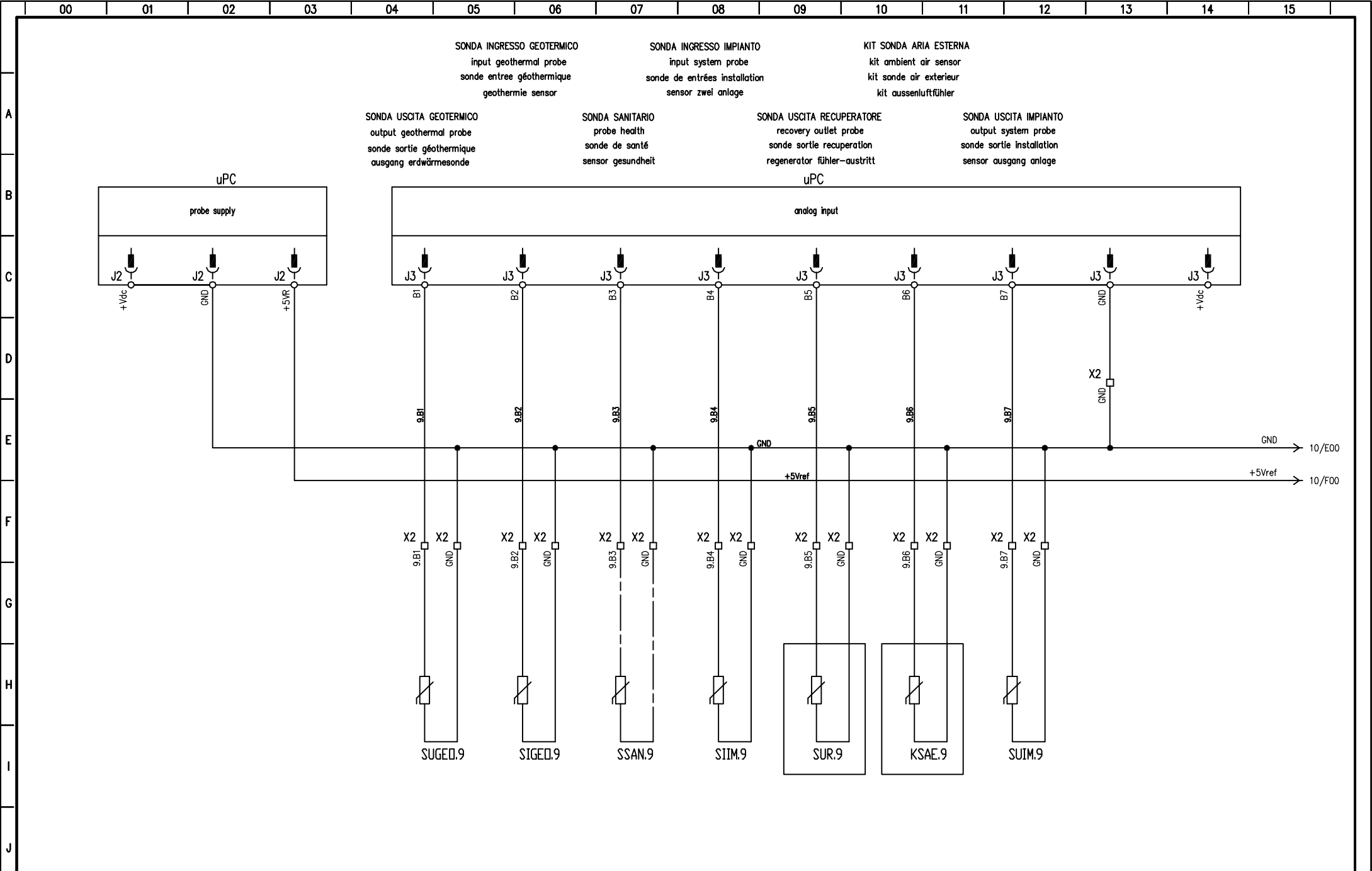
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SUITE  
METER

TOT. FOLGI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00936()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00936()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00936()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00936()

FOLIO  
PAGE 9

PAGE  
SEITE

DATA  
DATE 27/09/10

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR. 10-414

PROJECT  
BILD

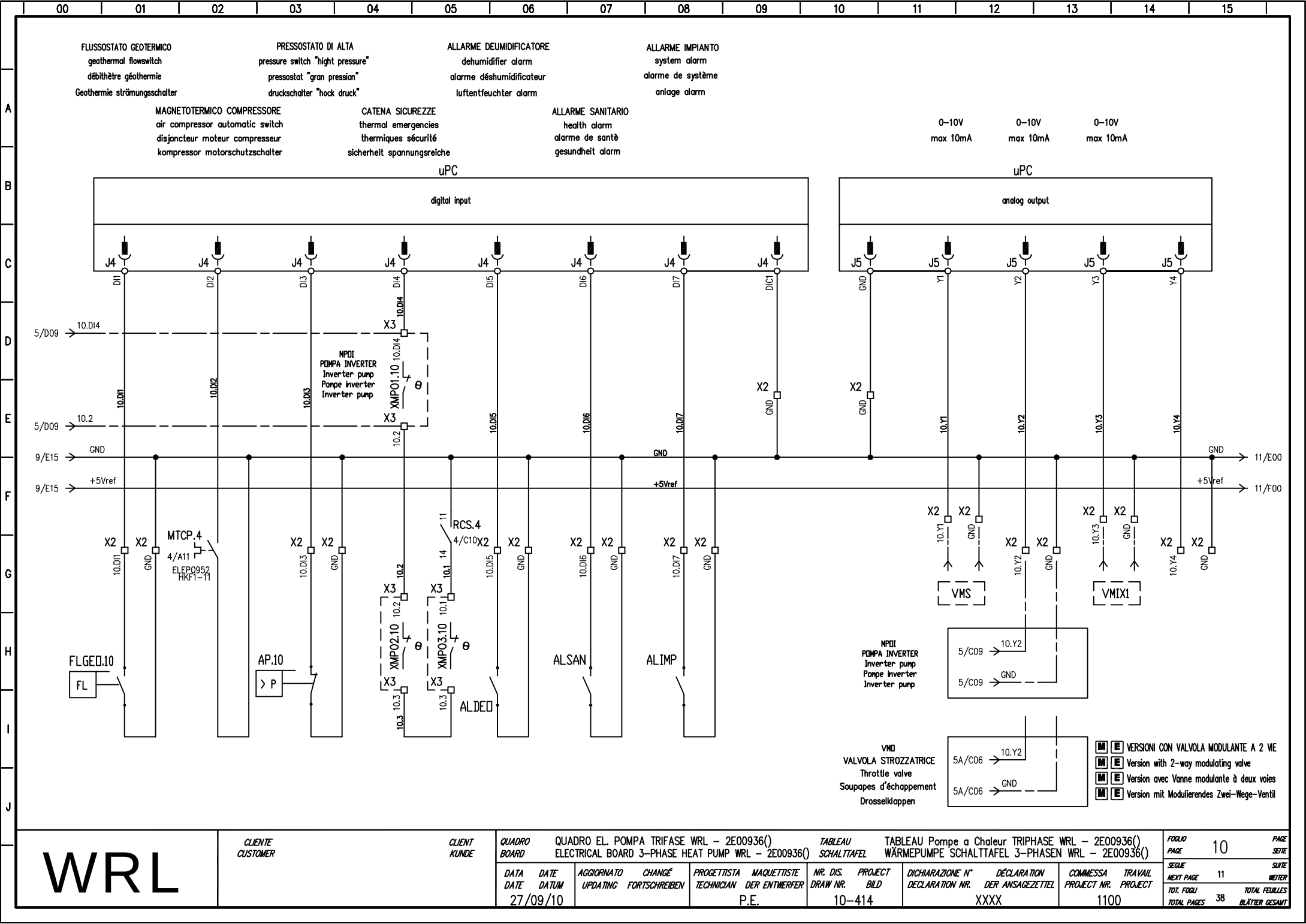
DICHIARAZIONE N°  
DECLARATION NR. XXXX

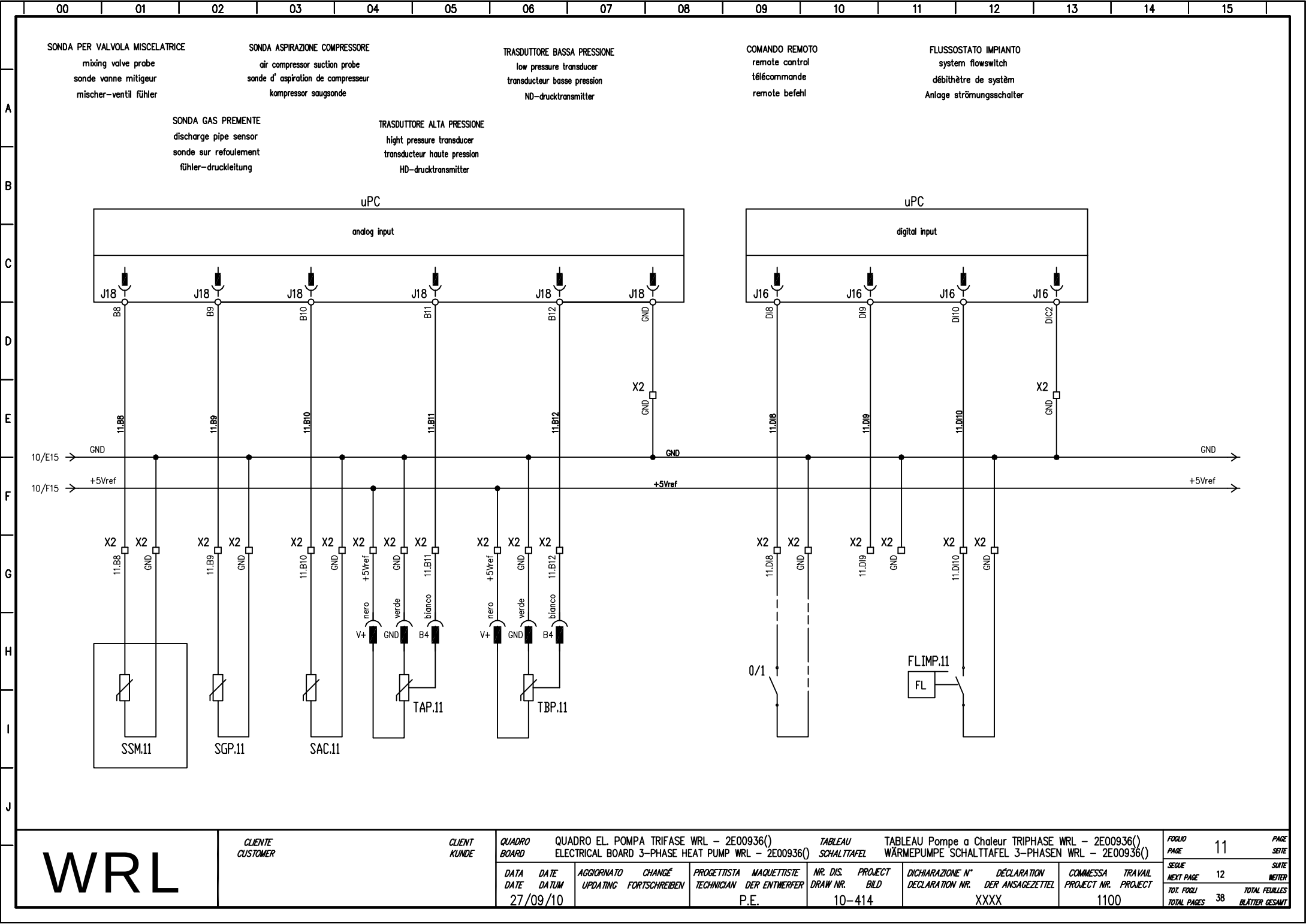
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DER ANSAGEZETTEL

COMMESSA  
PROJECT NR. 1100

TRAVAIL  
PROJECT

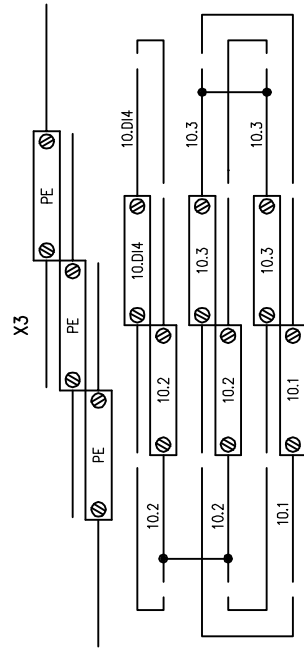
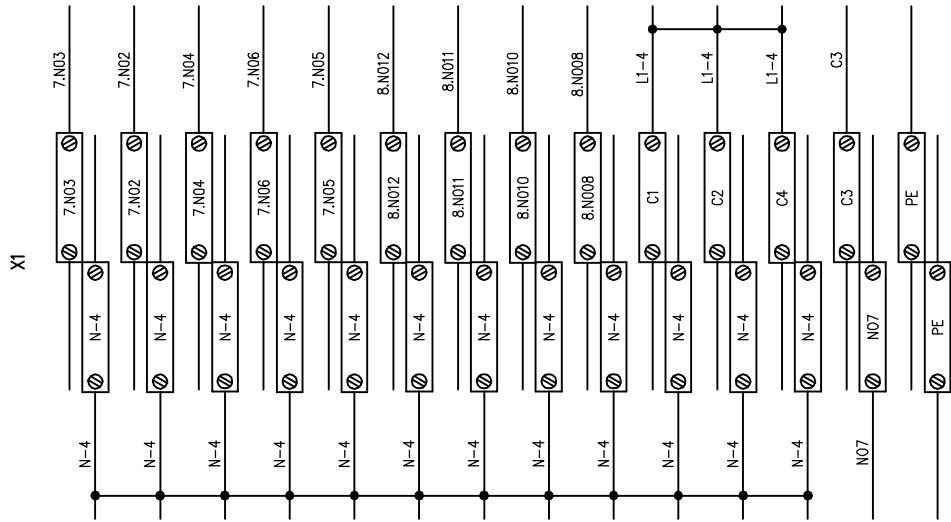
SUITE  
METER  
TOT. FOGLI  
TOTAL PAGES 38  
TOTAL FEUILLES  
BLÄTTER GESAMT





MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

MORSETTO TRIPLO G/V 2,5mmq MOLLA PE WAGO 2002-3207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00936()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00936()

TABE  
SCHALT

TABE  
SCHALT

FOLIO  
PAGE

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SEITE

DATA  
DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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NEXT PAGE

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SUITE  
METER

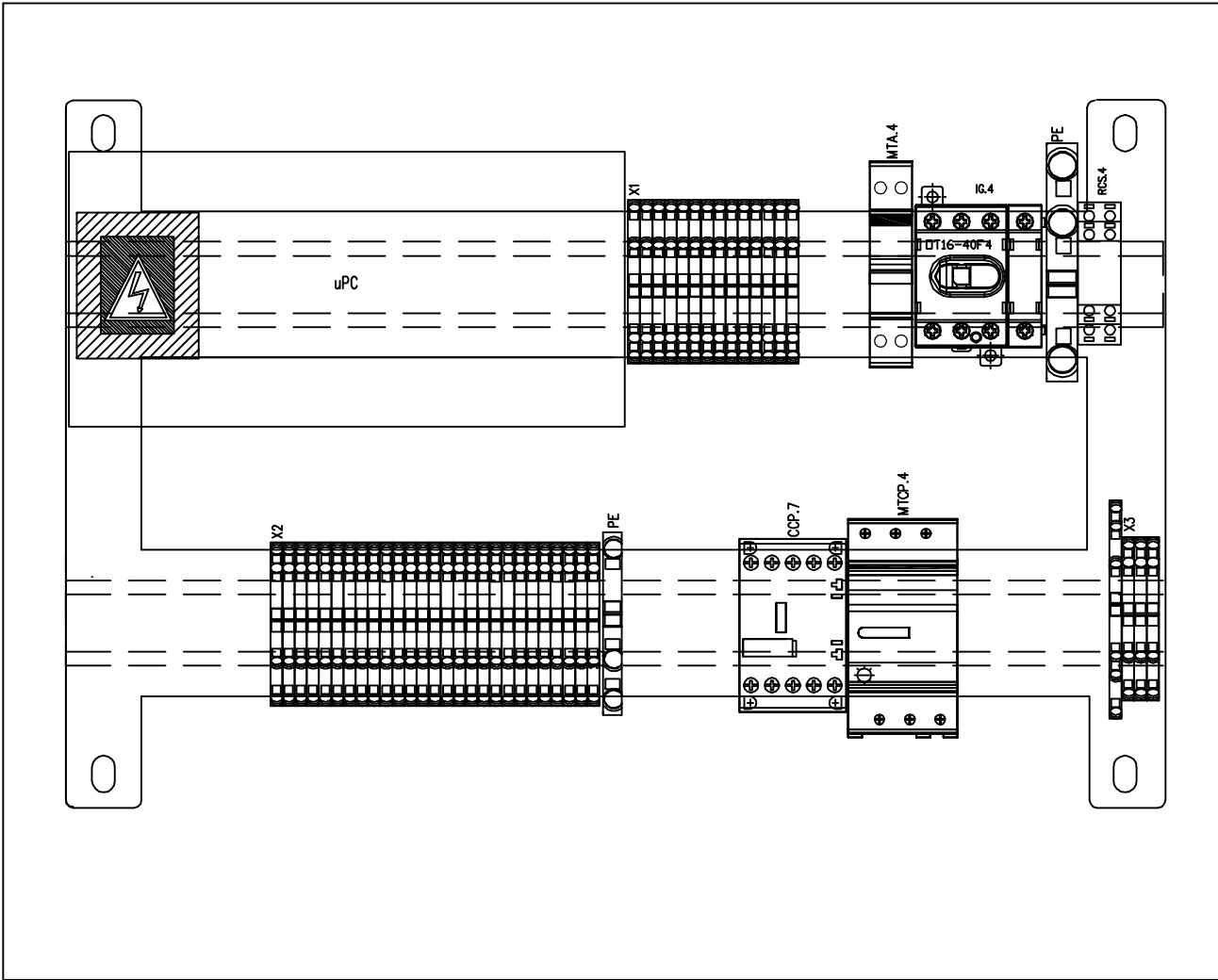
TOT. FOLJ  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT



VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                    |                                                                                                |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                           | TECHNICAL DATA BOX                                                                             |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /  | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI                                                                                         | DIMENSION                                                                                      |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                 | height: 350<br>Width: 500<br>Deep: 160                                                         |
| NOTE                                                                                               | NOTES                                                                                          |
| DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                               |
| Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: /       |
| DIMENSION                                                                                          | ABMESSUNGEN                                                                                    |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                    | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                          |
| NOTE                                                                                               | BEMERKUNGEN                                                                                    |

☐ QUADRO DI SERIE

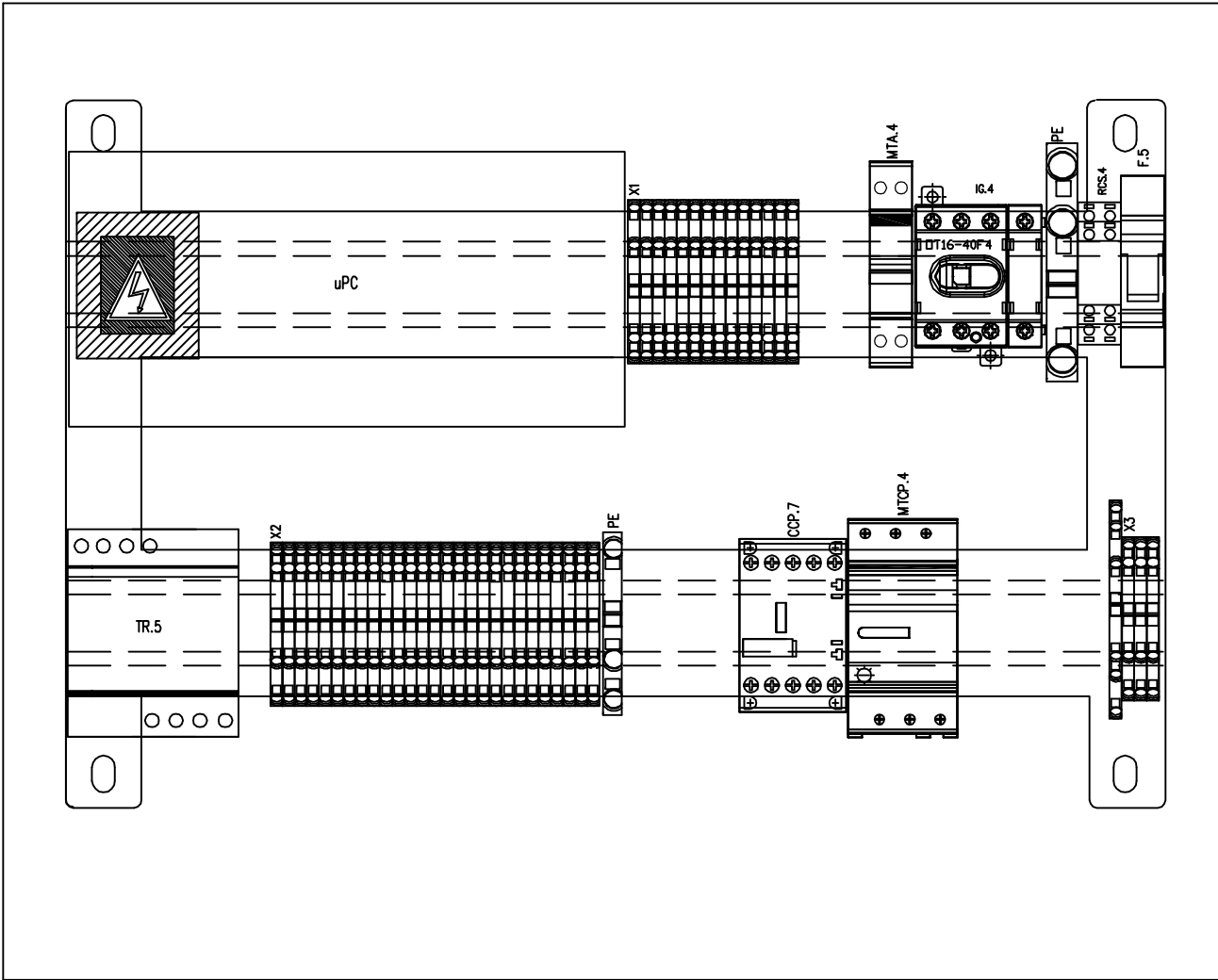
☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel



VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



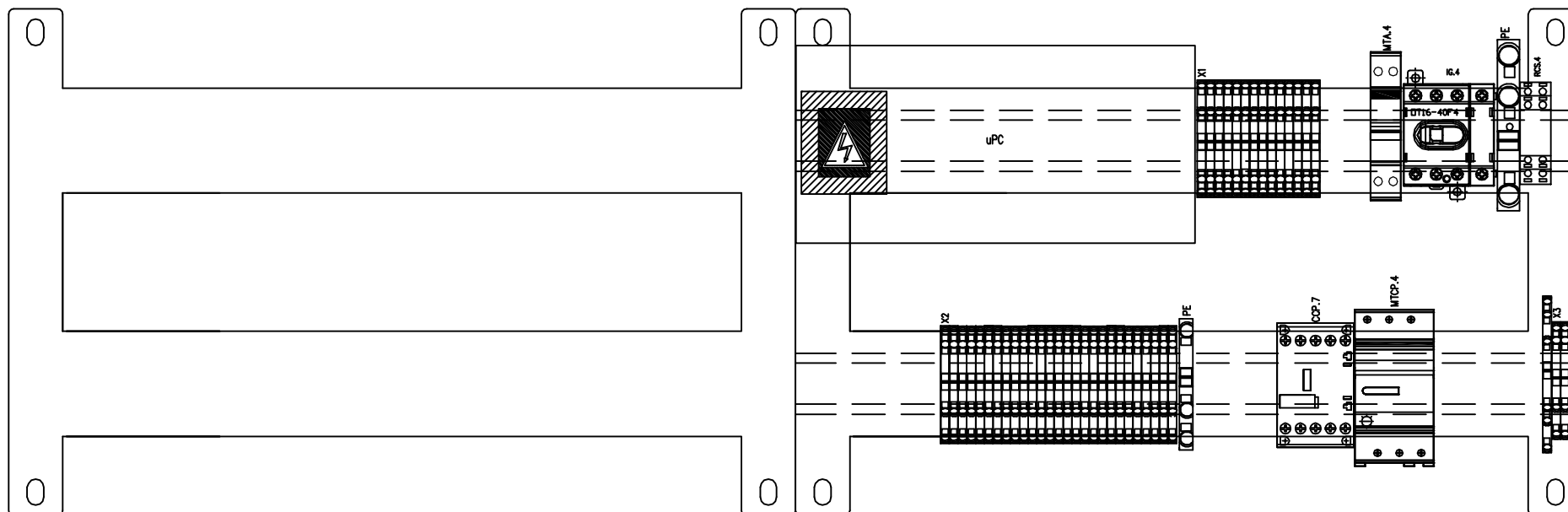
|                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                                                            | TECHNICAL DATA BOX                                                                                                           |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /                                   | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                               |
| DIMENSIONI                                                                                                                          | DIMENSION                                                                                                                    |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                                                  | height: 350<br>Width: 500<br>Deep: 160                                                                                       |
| NOTE                                                                                                                                | NOTES                                                                                                                        |
| DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSION                                                                                                                           | ABMESSUNGEN                                                                                                                  |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                                     | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                                        |
| NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

☒ VERSIONE CON VALVOLA MODULANTE A 2 VIE  
☒ Version with 2-way modulating valve

☒ Version avec Vanne modulante à deux voies  
☒ Version mit Modulierendes Zwei-Wege-Ventil

WRL

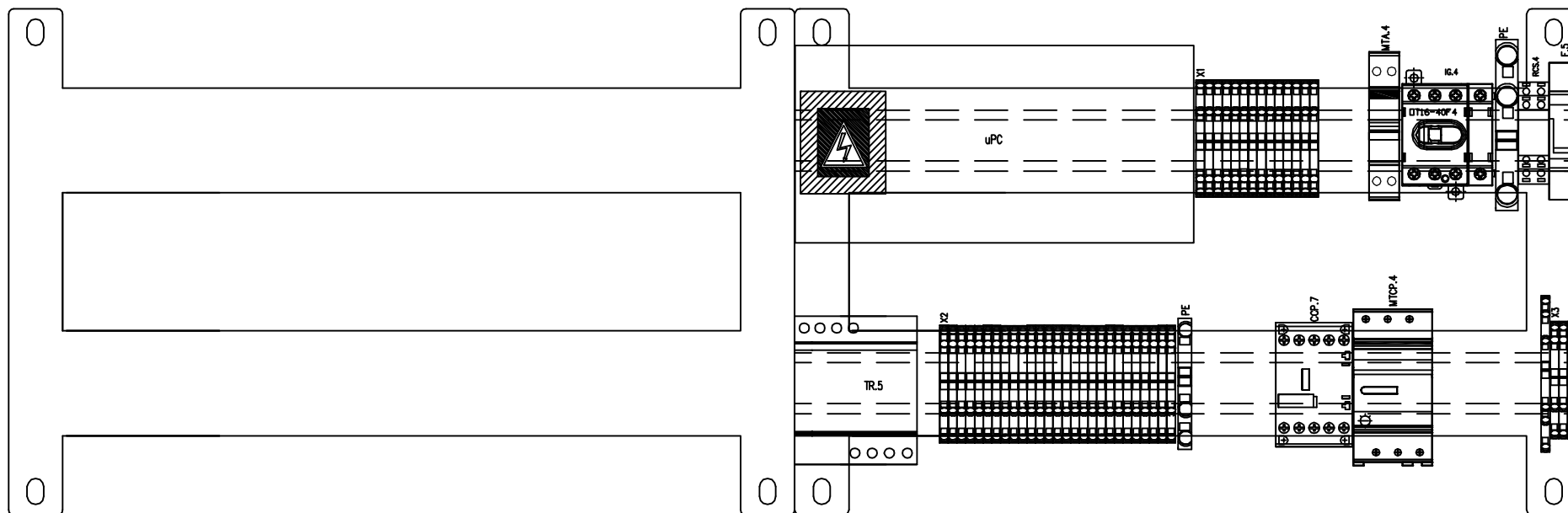
VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



# WRL

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|----------------|----------------|
| SEQUE          | SUITE          |
| NEXT PAGE 14C  | WEITERE        |
| TOT. FOGLI     | TOTAL FEUILLES |
| TOTAL PAGES 38 | BLÄTTER GESAMT |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



**E** Version avec Stockage + Vanne modulante à deux voies  
**E** Version mit Lagerung + Modulierendes Zwei-Wege-Ventil



|                                                       |           |           |                  |
|-------------------------------------------------------|-----------|-----------|------------------|
| POMPA TRIFASE                                         |           |           | WRL070<br>WRL080 |
| Quadro elettrico                                      |           | REV       |                  |
| cod.                                                  | 2E00937   | 1         |                  |
| cod.                                                  | 2E00937A  | 1         | A                |
| cod.                                                  | 2E00937M  | 1         | M                |
| cod.                                                  | 2E00937E  | 1         | E                |
|                                                       |           |           |                  |
| rif.                                                  | 2E00787_2 | 2E00857_3 |                  |
| lotto                                                 | nr.: XXXX |           |                  |
| VERS.                                                 |           |           |                  |
| SI SOFTSTARTER – SI MOTOPOMPE – X=VALVOLA ELETTRONICA |           |           |                  |

|                                                                              |                                                                           |                                                                                 |                                                                                  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE                                     | <input type="checkbox"/> Standard Board                                   | <input type="checkbox"/> Tableau standard                                       | <input type="checkbox"/> serienmäßig schalttafel                                 |
| <input checked="" type="checkbox"/> A VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> A Version with Storage                | <input checked="" type="checkbox"/> A Version avec Stockage                     | <input checked="" type="checkbox"/> A Version mit Lagerung                       |
| <input checked="" type="checkbox"/> M VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> M Version with 2-way modulating valve | <input checked="" type="checkbox"/> M Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> M Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> E A + M                                  | <input checked="" type="checkbox"/> E A + M                               | <input checked="" type="checkbox"/> E A + M                                     | <input checked="" type="checkbox"/> E A + M                                      |

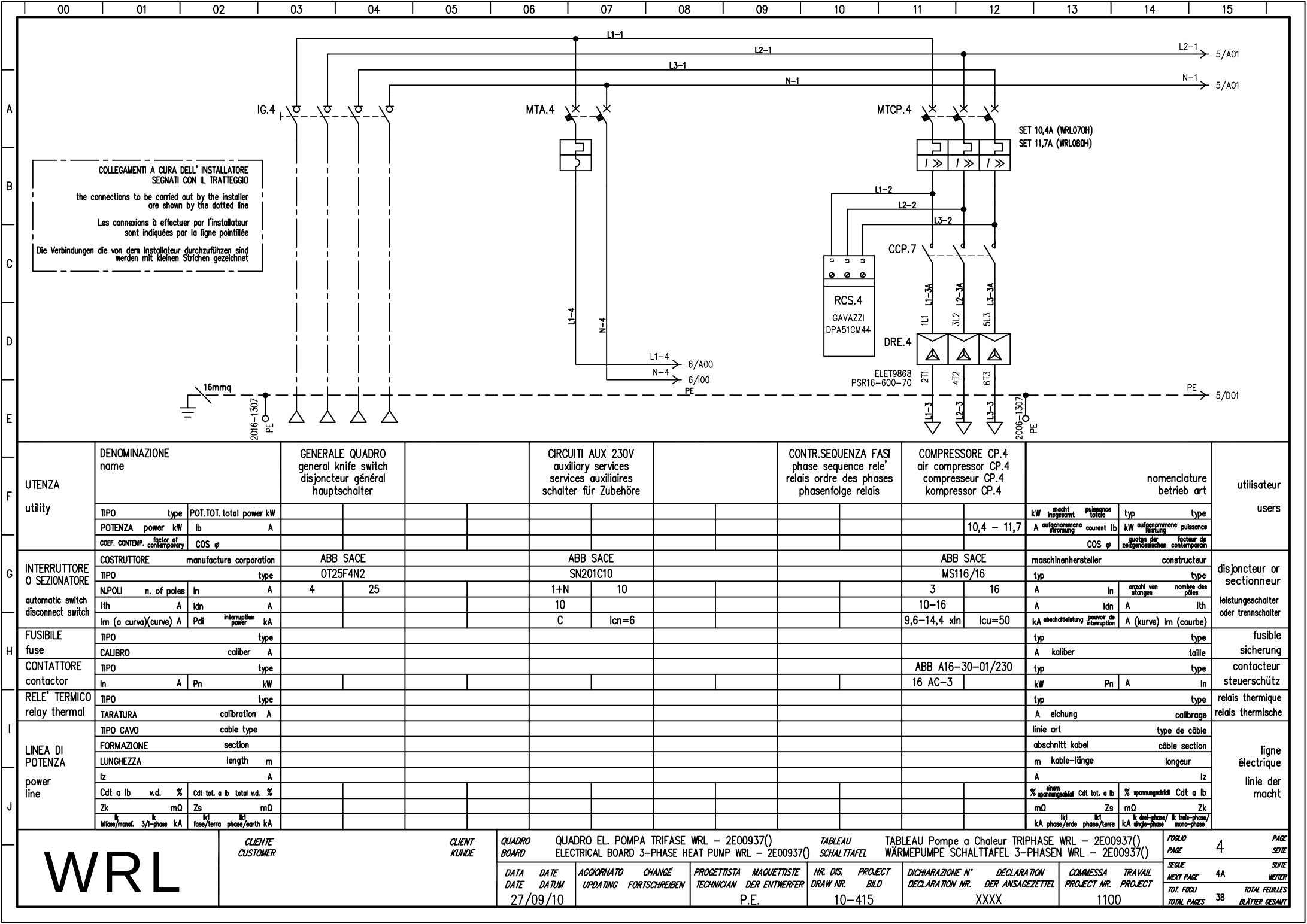
|                        |                     |                      |                       |
|------------------------|---------------------|----------------------|-----------------------|
| WRL                    |                     |                      |                       |
| Costruttore            | Manufacturer        | NORMA CEI EN 60335-1 |                       |
| COD. ARTICOLO          | Article Code        | 2E009370_01 03/03/11 |                       |
| ALIMENTAZIONE          | Power supply        | 3/N/PE - 50 Hz 400V  |                       |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 Hz 50             |
| POMPA DI CALORE WRL070 | Heat Pump WRL070    | A Max                | 17                    |
| POMPA DI CALORE WRL080 | Heat Pump WRL080    | A Max                | 18,3                  |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x                    |
| NOTE NR. LOTTO=        | Notes               | XXXX                 | CON AUT. SENSIBILIZZ. |

|                        |                     |                      |                      |
|------------------------|---------------------|----------------------|----------------------|
| WRL                    |                     |                      |                      |
| Constructeur           | Maschinenhersteller | NORMA CEI EN 60335-1 |                      |
| Code Article           | Artikelcode         | 2E009370_01 03/03/11 |                      |
| Alimentation           | Stronversorgung     | 3/N/PE - 50 Hz 400V  |                      |
| Tension Nominale       | Nennspannung        | V                    | 400 Hz 50            |
| Pompe a Chaleur WRL070 | Wärmepumpe WRL070   | A Max                | 17                   |
| Pompe a Chaleur WRL080 | Wärmepumpe WRL080   | A Max                | 18,3                 |
| Degré de protection    | Schutzgrad          | IP                   | 2x                   |
| Note                   | Anmerkungen         | XXXX                 | CON AUT. SENSIBILIS. |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉES    |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMEN  | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|---------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD                 |
|                                                                                                                                                      |                 | 10-415                       |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                                                                                                                                                      |                 | 27/09/10                     |                                 |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00937                      | TABLEAU<br>SCHALTAFEL           |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 |                              |                                 |
|                                                                                                                                                      |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT              |
|                                                                                                                                                      |                 | 1100                         |                                 |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER    |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION | DECLARATION<br>DER ANSAGEZETTEL |
|                                                                                                                                                      |                 | XXXX                         |                                 |

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|                                                                            |                                             |  |                         |                                                                                 |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    |                                                                                |                               |                      |                                               |          |                                |                                                                              |  |
|----------------------------------------------------------------------------|---------------------------------------------|--|-------------------------|---------------------------------------------------------------------------------|----------------------------|-------------|------------|---|--|------------------------------------------------------------------------------------------|-------|--|--|--|---------|----------------------------------------------------------------------------------------------|--------|----|--------------------------------------------------------------------------------|-------------------------------|----------------------|-----------------------------------------------|----------|--------------------------------|------------------------------------------------------------------------------|--|
| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                       |  |                         | GENERALE QUADRO<br>general knife switch<br>disjoncteur général<br>hauptschalter |                            |             |            |   |  | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |       |  |  |  |         | CONTR.SEQUENZA FASI<br>phase sequence rele'<br>relais ordre des phases<br>phasenfolge relais |        |    | COMPRESSORE CP.4<br>air compressor CP.4<br>compresseur CP.4<br>kompressor CP.4 |                               |                      | nomenclature<br>betrieb art                   |          |                                | utilisateur<br><br>users                                                     |  |
|                                                                            | TIPO type                                   |  | POT.TOT. total power kW |                                                                                 |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | kW<br>machts<br>insgesamt                                                      | puissance<br>totale           |                      | typ type                                      |          |                                |                                                                              |  |
|                                                                            | POTENZA power kW                            |  | lb                      | A                                                                               |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    |                                                                                | A<br>aufgenommene<br>stromung |                      | lb<br>courant                                 |          | kW<br>aufgenommene<br>leistung |                                                                              |  |
|                                                                            | COEF. CONTEMP.<br>factor of<br>contemporary |  | COS φ                   |                                                                                 |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    |                                                                                | COS φ                         |                      | coefficient de<br>coïncidence                 |          | facteur de<br>coïncidence      |                                                                              |  |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE manufacture corporation         |  |                         | ABB SACE                                                                        |                            |             |            |   |  | ABB SACE                                                                                 |       |  |  |  |         | ABB SACE                                                                                     |        |    | ABB SACE                                                                       |                               |                      | maschinenhersteller<br>constructeur           |          |                                | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |  |
|                                                                            | TIPO type                                   |  |                         | OT25F4N2                                                                        |                            |             |            |   |  | SN201C10                                                                                 |       |  |  |  |         | MS116/16                                                                                     |        |    | typ type                                                                       |                               |                      |                                               |          |                                |                                                                              |  |
|                                                                            | N.POLI n. of poles                          |  | ln                      | A                                                                               | 4                          | 25          |            |   |  | 1+N                                                                                      | 10    |  |  |  |         | 3                                                                                            | 16     | A  | ln                                                                             | anzahl von<br>stangen         |                      | nombre des<br>pôles                           |          |                                |                                                                              |  |
|                                                                            | lth                                         |  | A                       | Idn                                                                             | A                          |             |            |   |  | 10                                                                                       |       |  |  |  |         | 10-16                                                                                        |        | A  | Idn                                                                            | A                             | lth                  |                                               |          |                                |                                                                              |  |
|                                                                            | Im (a curve)(curve)                         |  | A                       | Pdi                                                                             | interruption<br>power      | kA          |            |   |  | C                                                                                        | lcn=6 |  |  |  |         | 9,6-14,4 xln                                                                                 | lcu=50 | kA | abschaltleistung<br>power of<br>interruption                                   | A (kurve) Im (courbe)         |                      |                                               |          |                                |                                                                              |  |
| FUSIBILE<br>fuse                                                           | TIPO type                                   |  |                         |                                                                                 |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | typ type                                                                       |                               |                      | fusible<br>sicherung                          |          |                                |                                                                              |  |
|                                                                            | CALIBRO caliber                             |  |                         | A                                                                               |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | A<br>kaliber                                                                   |                               |                      |                                               |          |                                |                                                                              |  |
| CONTATTORE<br>contactor                                                    | TIPO type                                   |  |                         |                                                                                 |                            |             |            |   |  |                                                                                          |       |  |  |  |         | ABB A16-30-01/230                                                                            |        |    | typ type                                                                       |                               |                      | contacteur<br>steuerschütz                    |          |                                |                                                                              |  |
|                                                                            | ln                                          |  | A                       | Pn                                                                              | kW                         |             |            |   |  |                                                                                          |       |  |  |  | 16 AC-3 |                                                                                              | kW     | Pn | A                                                                              | ln                            |                      |                                               |          |                                |                                                                              |  |
| RELE' TERMICO<br>relay thermal                                             | TIPO type                                   |  |                         |                                                                                 |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | typ type                                                                       |                               |                      | relais thermique<br>relais thermische         |          |                                |                                                                              |  |
|                                                                            | TARATURA calibration                        |  |                         | A                                                                               |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | A<br>eichung                                                                   |                               |                      |                                               |          |                                |                                                                              |  |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TIPO CAVO cable type                        |  |                         |                                                                                 |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | linie art                                                                      |                               |                      | ligne<br>électrique<br><br>linie der<br>macht |          |                                |                                                                              |  |
|                                                                            | FORMAZIONE section                          |  |                         |                                                                                 |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | abschnitt kabel                                                                |                               |                      |                                               |          |                                |                                                                              |  |
|                                                                            | LUNGHEZZA length                            |  |                         | m                                                                               |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | m<br>kable-länge                                                               |                               |                      |                                               |          |                                |                                                                              |  |
|                                                                            | Iz                                          |  |                         | A                                                                               |                            |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | A<br>Iz                                                                        |                               |                      |                                               |          |                                |                                                                              |  |
|                                                                            | Cdt a lb                                    |  | v.d.                    | %                                                                               | Cdt tot. a lb              |             | total v.d. | % |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | %<br>spannungsfaktor                                                           | Cdt tot. a lb                 | %<br>spannungsfaktor |                                               | Cdt a lb |                                |                                                                              |  |
|                                                                            | Zk                                          |  | mΩ                      | Zs                                                                              | mΩ                         |             |            |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | mΩ                                                                             | Zs                            | mΩ                   |                                               | Zk       |                                |                                                                              |  |
|                                                                            | I <sub>Δn</sub> phase/mono                  |  | 3/1-phase               | kA                                                                              | I <sub>Δn</sub> fase/terra | phase/earth | kA         |   |  |                                                                                          |       |  |  |  |         |                                                                                              |        |    | kA                                                                             | phase/terra                   | phase/earth          |                                               | kA       | I <sub>Δn</sub> drei-phase     | 3-phase/mono-phase                                                           |  |

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QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00937()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00937()

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DECLARATION  
DER ANSAGEZETTEL

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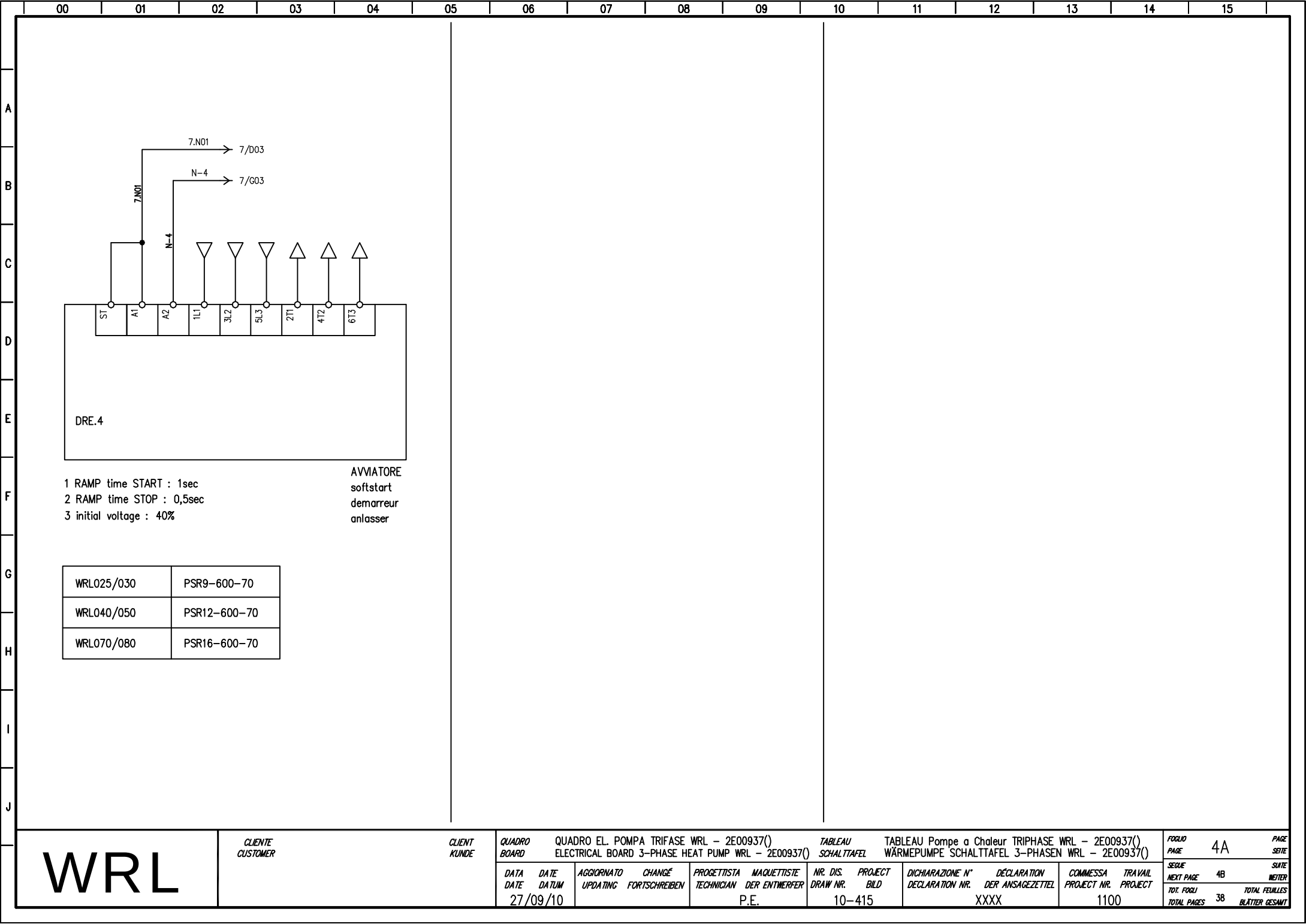
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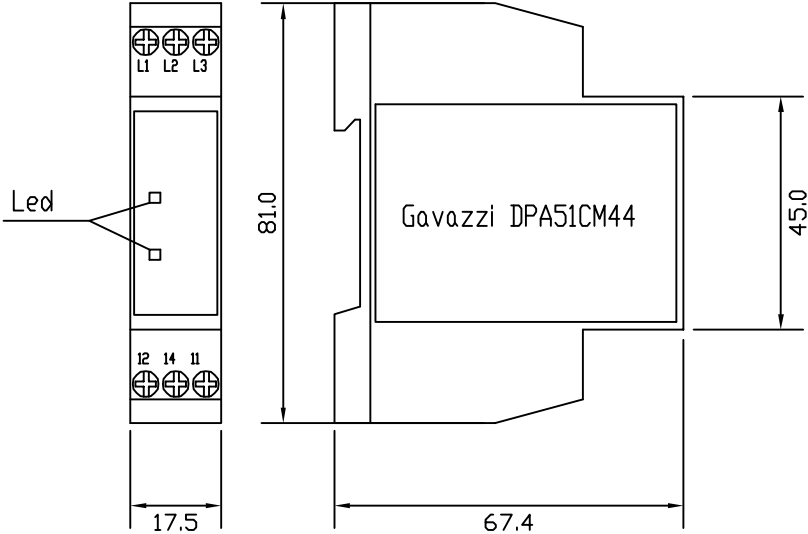
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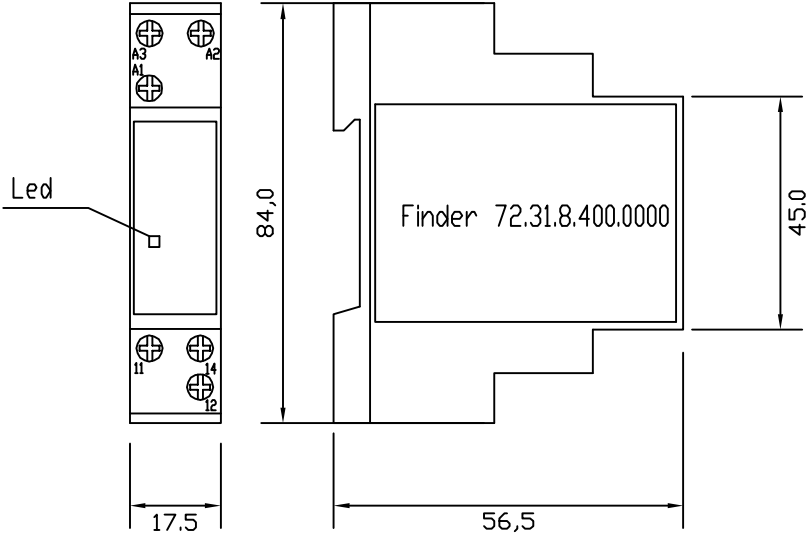
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12 = N.C.



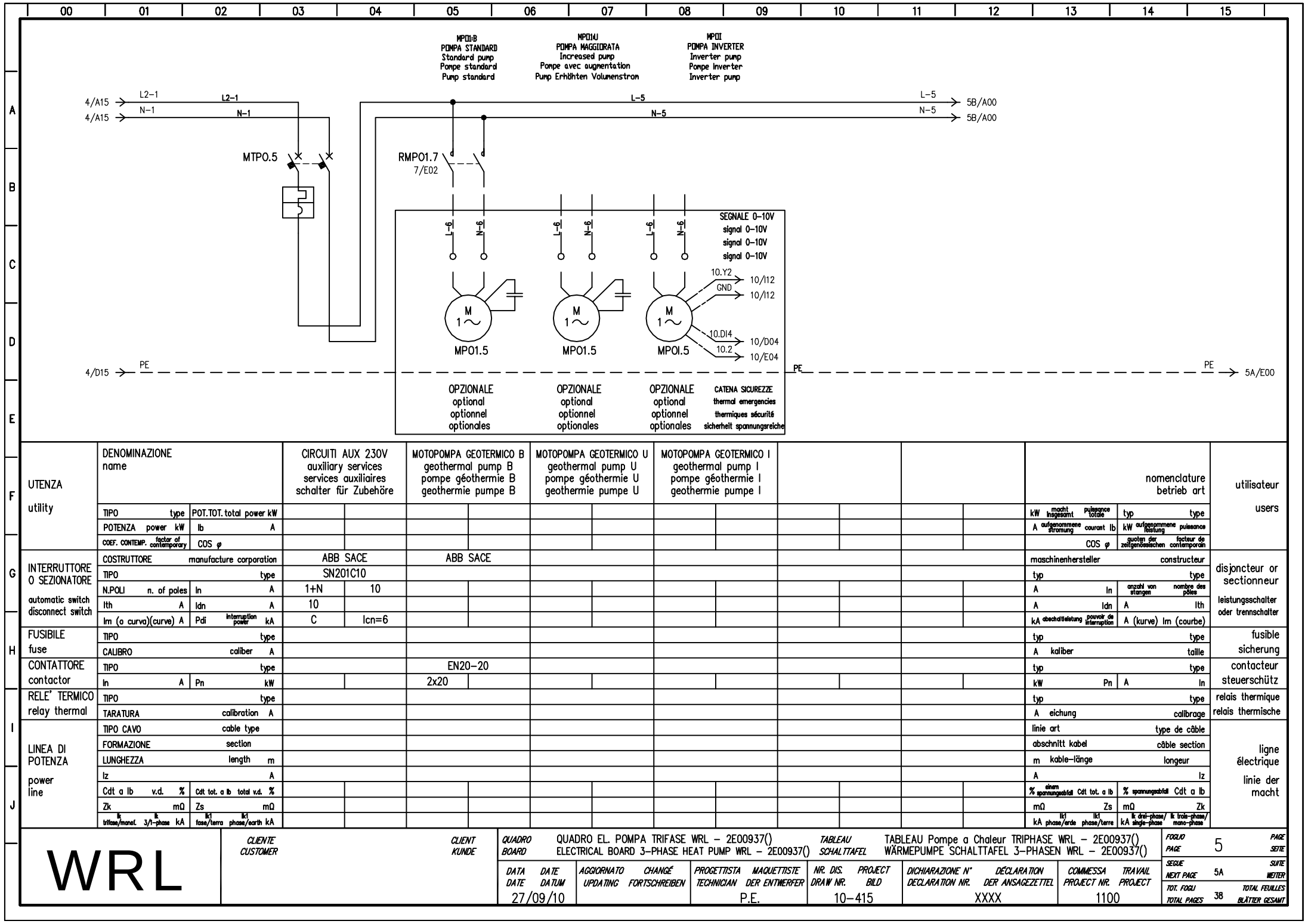
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phasenfolge relais

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14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais



|                                                                        |                       |                           |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    |                             |                                |                               |                                       |                                                                          |
|------------------------------------------------------------------------|-----------------------|---------------------------|------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|--|--|--|----|-----------------------------|--------------------------------|-------------------------------|---------------------------------------|--------------------------------------------------------------------------|
| UTENZA<br>utility                                                      | DENOMINAZIONE<br>name |                           | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |                       | MOTOPOMPA GEOTERMICO B<br>geothermal pump B<br>pompe géothermie B<br>geothermie pompe B |      | MOTOPOMPA GEOTERMICO U<br>geothermal pump U<br>pompe géothermie U<br>geothermie pompe U |  | MOTOPOMPA GEOTERMICO I<br>geothermal pump I<br>pompe géothermie I<br>geothermie pompe I |  |  |  |  |    | nomenclature<br>betrieb art |                                | utilisateur<br>users          |                                       |                                                                          |
|                                                                        | TIPO                  | type                      | POT.TOT. total power kW                                                                  |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | kW                          | macht<br>insgesamt             | pulsance totale               | typ                                   | type                                                                     |
|                                                                        | POTENZA               | power kW                  | lb                                                                                       | A                     |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | A                           | aufgenommene<br>stromung       | courant lb                    | kW                                    | aufgenommene<br>leistung                                                 |
|                                                                        | COEF. CONTEMP.        | factor of<br>contemporary | COS φ                                                                                    |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | COS φ                       | coefficient<br>de simultanéité | facteur de<br>contemporanéité |                                       |                                                                          |
| INTERRUTTORE<br>O SEZIONATORE<br>automatic switch<br>disconnect switch | COSTRUTTORE           |                           | manufacture corporation                                                                  |                       | ABB SACE                                                                                |      |                                                                                         |  |                                                                                         |  |  |  |  |    | maschinenhersteller         |                                | constructeur                  |                                       | disjoncteur or<br>sectionneur<br>leistungsschalter<br>oder trennschalter |
|                                                                        | TIPO                  | type                      | SN201C10                                                                                 |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | typ                         |                                | type                          |                                       |                                                                          |
|                                                                        | N.POLI                | n. of poles               | ln                                                                                       | A                     | 1+N                                                                                     | 10   |                                                                                         |  |                                                                                         |  |  |  |  |    | A                           | ln                             | anzahl von<br>strömen         | nombre des<br>pôles                   |                                                                          |
|                                                                        | Ith                   | A                         | ldn                                                                                      | A                     | 10                                                                                      |      |                                                                                         |  |                                                                                         |  |  |  |  |    | A                           | ldn                            | A                             | Ith                                   |                                                                          |
| FUSIBILE<br>fuse                                                       | Im (o curva)(curve)   | A                         | Pdi                                                                                      | interruption<br>power | kA                                                                                      | C    | lcn=6                                                                                   |  |                                                                                         |  |  |  |  | kA |                             | abschaltleistung               | puissance de<br>interruption  | A (kurve) Im (courbe)                 | fusible<br>sicherung                                                     |
|                                                                        | TIPO                  | type                      |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | typ                         | type                           |                               |                                       |                                                                          |
| CONTATTORE<br>contactor                                                | CALIBRO               | caliber                   | A                                                                                        |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  | A  |                             | kaliber                        | taille                        |                                       | contacteur<br>steuerschutz                                               |
|                                                                        | TIPO                  | type                      |                                                                                          |                       | EN20-20                                                                                 |      |                                                                                         |  |                                                                                         |  |  |  |  |    | typ                         | type                           |                               |                                       |                                                                          |
| RELE' TERMICO<br>relay thermal                                         | ln                    | A                         | Pn                                                                                       | kW                    |                                                                                         | 2x20 |                                                                                         |  |                                                                                         |  |  |  |  | kW | Pn                          | A                              | ln                            | relais thermique<br>relais thermische |                                                                          |
|                                                                        | TIPO                  | type                      |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | typ                         | type                           |                               |                                       |                                                                          |
| LINEA DI<br>POTENZA<br>power<br>line                                   | TARATURA              | calibration               | A                                                                                        |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  | A  |                             | eichung                        | calibrage                     |                                       | ligne<br>électrique<br>linie der<br>macht                                |
|                                                                        | TIPO CAVO             | cable type                |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | linie art                   |                                | type de câble                 |                                       |                                                                          |
|                                                                        | FORMAZIONE            | section                   |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | abschnitt kabel             |                                | câble section                 |                                       |                                                                          |
|                                                                        | LUNGHEZZA             | length                    | m                                                                                        |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  | m  |                             | kable-länge                    | longueur                      |                                       |                                                                          |
|                                                                        | Iz                    | A                         |                                                                                          |                       |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | A                           | Iz                             |                               |                                       |                                                                          |
|                                                                        | Cdt a lb              | v.d.                      | %                                                                                        | Cdt tot. a lb         | total v.d.                                                                              | %    |                                                                                         |  |                                                                                         |  |  |  |  |    | % a lb                      |                                | Cdt tot. a lb                 | %                                     |                                                                          |
|                                                                        | Zk                    | mQ                        | Zs                                                                                       | mQ                    |                                                                                         |      |                                                                                         |  |                                                                                         |  |  |  |  |    | mQ                          | Zs                             | mQ                            | Zk                                    |                                                                          |
|                                                                        | trifase/monof.        | 3/1-phase                 | kA                                                                                       | trifase/monof.        | 3/1-phase                                                                               | kA   |                                                                                         |  |                                                                                         |  |  |  |  |    | kA                          | trifase/monof.                 | 3/1-phase                     | kA                                    |                                                                          |
|                                                                        | trifase/monof.        | 3/1-phase                 | kA                                                                                       | trifase/monof.        | 3/1-phase                                                                               | kA   |                                                                                         |  |                                                                                         |  |  |  |  |    | kA                          | trifase/monof.                 | 3/1-phase                     | kA                                    |                                                                          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

TAFEL  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00937()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00937()

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TECHNICIAN DER ENTWERFER  
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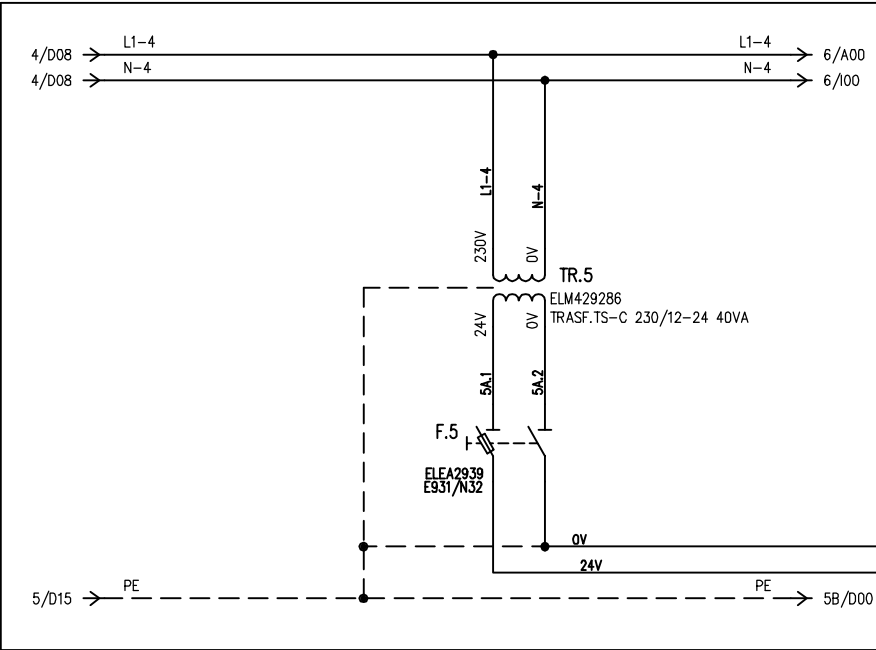
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COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
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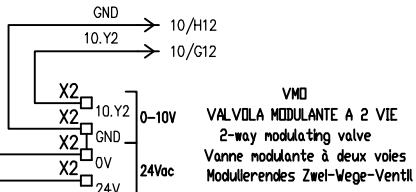
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E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |            | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |             |    |  |  |  |  |  | nomenclature<br>betrieb art |                                                   | utilisateur                      |                            |                                                                              |                            |                                               |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|-------------|----|--|--|--|--|--|-----------------------------|---------------------------------------------------|----------------------------------|----------------------------|------------------------------------------------------------------------------|----------------------------|-----------------------------------------------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | kW                          | macht<br>Insgesamt                                | pulsance<br>totale               | typ                        | type                                                                         |                            |                                               |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | A                           | aufgenommene<br>stromung                          | courant lb                       | kW                         | aufgenommene<br>leistung                                                     |                            |                                               |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  |                             | COS φ                                             | quoten der<br>zeitgleichzeitigen | facteur de<br>contemporain |                                                                              |                            |                                               |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |            |                                                                                    |             |    |  |  |  |  |  | maschinenhersteller         |                                                   | constructeur                     |                            | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |                            |                                               |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |            |                                                                                    |             |    |  |  |  |  |  | typ                         |                                                   | type                             |                            |                                                                              |                            |                                               |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N        |                                                                                    |             |    |  |  |  |  |  | A                           | In                                                | anzahl von<br>strängen           | nombre des<br>pôles        |                                                                              |                            |                                               |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | A                           | Idn                                               | A                                | Ith                        |                                                                              |                            |                                               |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA         |                                                                                    |             |    |  |  |  |  |  | kA                          | abschaltleistung<br>pourvoir de<br>l'interruption | A (kurve) Im (courbe)            |                            | fusible<br>sicherung                                                         |                            |                                               |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |            |                                                                                    |             |    |  |  |  |  |  | typ                         |                                                   | type                             |                            |                                                                              |                            |                                               |
| CONTATTORE<br>contactor                                                    | CALIBRO                                | caliber                   |                         | A                                                                                       |            | 2A gL                                                                              |             |    |  |  |  |  |  | A                           |                                                   | kaliber                          |                            | taille                                                                       | contacteur<br>steuerschütz |                                               |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | typ                         |                                                   | type                             |                            |                                                                              |                            |                                               |
| RELE' TERMICO<br>relay thermal                                             | In                                     | A                         | Pn                      | kW                                                                                      |            |                                                                                    |             |    |  |  |  |  |  | kW                          | Pn                                                | A                                | In                         | relais thermique<br>relais thermische                                        |                            |                                               |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | typ                         |                                                   | type                             |                            |                                                                              |                            |                                               |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TARATURA<br>calibration                |                           |                         | A                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | A                           |                                                   | eichung                          |                            | calibrage                                                                    |                            | ligne<br>électrique<br><br>linie der<br>macht |
|                                                                            | TIPO CAVO<br>cable type                |                           |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | linie art                   |                                                   | type de câble                    |                            |                                                                              |                            |                                               |
|                                                                            | FORMAZIONE<br>section                  |                           |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | abschnitt kabel             |                                                   | câble section                    |                            |                                                                              |                            |                                               |
|                                                                            | LUNGHEZZA<br>length                    |                           |                         | m                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | m                           |                                                   | kable-länge                      |                            | longueur                                                                     |                            |                                               |
|                                                                            | Iz                                     |                           |                         | A                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | A                           |                                                   | Iz                               |                            |                                                                              |                            |                                               |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d. | %                                                                                  |             |    |  |  |  |  |  |                             | %                                                 | spannungsfaktor                  | Cdt tot. a lb              | %                                                                            |                            |                                               |
|                                                                            | Zk                                     | mQ                        |                         | Zs                                                                                      | mQ         |                                                                                    |             |    |  |  |  |  |  |                             | mQ                                                | Zs                               | mQ                         | Zk                                                                           |                            |                                               |
|                                                                            | Ik                                     | trifase/monof.            | 3/1-phase               | kA                                                                                      | Ik         | fase/terra                                                                         | phase/earth | kA |  |  |  |  |  |                             | kA                                                | phase/erde                       | phase/terre                | kA                                                                           | trifase/monof.             |                                               |

WRL

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BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

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TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00937()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00937()

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DRAW NR.

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DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

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PROJECT NR.

TRAVAIL  
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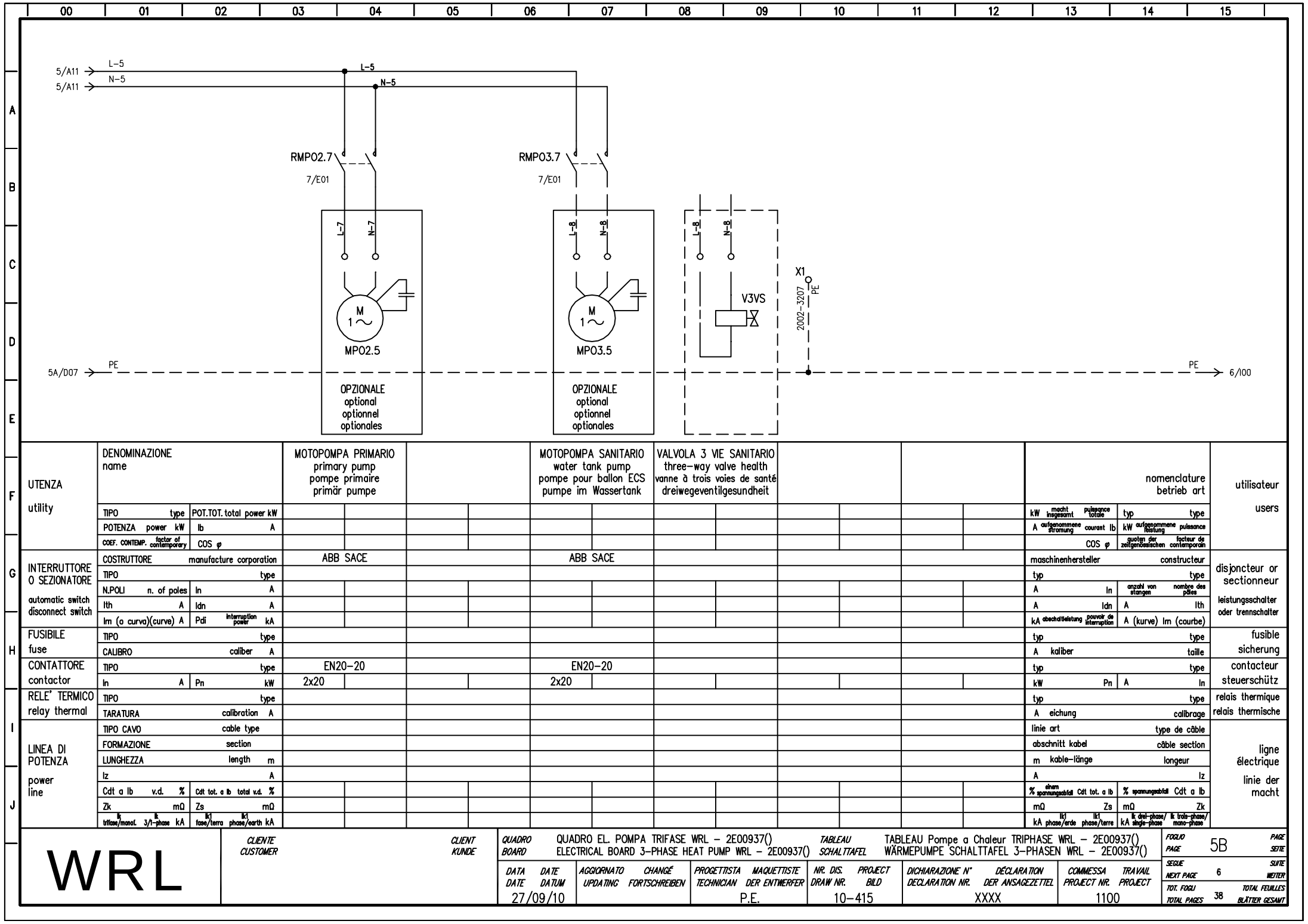
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BLATTIER GESAMT



|                                                                             |                                          |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  |                                                                         |                                                                 |                                                                          |
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| F<br>UTENZA<br>utility                                                      | DENOMINAZIONE<br>name                    |                               | MOTOPOMPA PRIMARIO<br>primary pump<br>pompe primaire<br>primärpumpe |  | MOTOPOMPA SANITARIO<br>water tank pump<br>pompe pour ballon ECS<br>pumpe im Wassertank |  | VALVOLA 3 VIE SANITARIO<br>three-way valve health<br>vanne à trois voies de santé<br>dreiwegenventilgesundheit |  | nomenclature<br>betrieb art                                             |                                                                 | utilisateur<br>users                                                     |
|                                                                             | TIPO type                                | POT.TOT. total power kW       |                                                                     |  |                                                                                        |  |                                                                                                                |  | kW mecht<br>insgesamt<br>puissance totale                               | typ type                                                        |                                                                          |
|                                                                             | POTENZA power kW                         | lb A                          |                                                                     |  |                                                                                        |  |                                                                                                                |  | A aufgenommene<br>stromung<br>courant lb<br>kW aufgenommene<br>leistung |                                                                 |                                                                          |
|                                                                             | COEF. CONTEMP. factor of<br>contemporary | COS φ                         |                                                                     |  |                                                                                        |  |                                                                                                                |  | COS φ                                                                   | qualitat der<br>zeitgleichzeitigen<br>factor de<br>contemporain |                                                                          |
| G<br>INTERRUTTORE<br>O SEZIONATORE<br>automatic switch<br>disconnect switch | COSTRUTTORE manufacture corporation      |                               | ABB SACE                                                            |  | ABB SACE                                                                               |  |                                                                                                                |  | maschinenhersteller constructeur                                        |                                                                 | disjoncteur or<br>sectionneur<br>leistungsschalter<br>oder trennschalter |
|                                                                             | TIPO type                                |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  | typ type                                                                |                                                                 |                                                                          |
|                                                                             | N.POLI n. of poles                       | In A                          |                                                                     |  |                                                                                        |  |                                                                                                                |  | A In                                                                    | anzahl von<br>strömen<br>nombre des<br>pôles                    |                                                                          |
|                                                                             | Ith A                                    | Idn A                         |                                                                     |  |                                                                                        |  |                                                                                                                |  | A Idn A                                                                 | Ith A                                                           |                                                                          |
| H<br>FUSIBILE<br>fuse<br>CONTACTTORE<br>contactor                           | Im (o curva)(curve) A                    | Pdi interruption<br>power kA  |                                                                     |  |                                                                                        |  |                                                                                                                |  | kA abschaltleistung<br>pourvoir de<br>interruption                      | A (kurve) Im (courbe)                                           | fusible<br>sicherung<br>contacteur<br>steuerschutz                       |
|                                                                             | TIPO type                                |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  | typ type                                                                |                                                                 |                                                                          |
|                                                                             | CAUBRO caliber                           | A                             |                                                                     |  |                                                                                        |  |                                                                                                                |  | A kaliber                                                               | taille                                                          |                                                                          |
|                                                                             | TIPO type                                |                               | EN20-20                                                             |  | EN20-20                                                                                |  |                                                                                                                |  | typ type                                                                |                                                                 |                                                                          |
| I<br>RELE' TERMICO<br>relay thermal                                         | In A                                     | Pn kW                         | 2x20                                                                |  | 2x20                                                                                   |  |                                                                                                                |  | kW Pn A                                                                 | In                                                              | relais thermique<br>relais thermische                                    |
|                                                                             | TIPO type                                |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  | typ type                                                                |                                                                 |                                                                          |
|                                                                             | TARATURA calibration                     | A                             |                                                                     |  |                                                                                        |  |                                                                                                                |  | A eichung                                                               | calibrage                                                       |                                                                          |
|                                                                             | TIPO CAVO cable type                     |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  | linie art                                                               | type de câble                                                   |                                                                          |
| J<br>LINEA DI<br>POTENZA<br>power line                                      | FORMAZIONE section                       |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  | abschnitt kabel                                                         | câble section                                                   | ligne<br>électrique<br>linie der<br>macht                                |
|                                                                             | LUNGHEZZA length m                       |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  | m kable-länge                                                           | longueur                                                        |                                                                          |
|                                                                             | Iz A                                     |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  | A                                                                       | Iz                                                              |                                                                          |
|                                                                             | Cdt a lb v.d. %                          | Cdt tot. a lb total v.d. %    |                                                                     |  |                                                                                        |  |                                                                                                                |  | % shem<br>spannungsfaktor Cdt tot. a lb                                 | % spannungsfaktor Cdt a lb                                      |                                                                          |
|                                                                             | Zk mQ                                    | Zs mQ                         |                                                                     |  |                                                                                        |  |                                                                                                                |  | mQ Zs mQ                                                                | Zk                                                              |                                                                          |
|                                                                             | Ik1 phase/phase 3/1-phase kA             | Ik1 fase/terro phase/earth kA |                                                                     |  |                                                                                        |  |                                                                                                                |  | Ik1 phase/phase 3/1-phase kA                                            | Ik1 fase/terro phase/earth kA                                   |                                                                          |
|                                                                             |                                          |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  |                                                                         |                                                                 |                                                                          |
|                                                                             |                                          |                               |                                                                     |  |                                                                                        |  |                                                                                                                |  |                                                                         |                                                                 |                                                                          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

TABEALU  
SCHALTAFEL

TABEALU Pompe a Chaleur TRIPHASE WRL - 2E00937()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00937()

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PAGE

5B

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DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

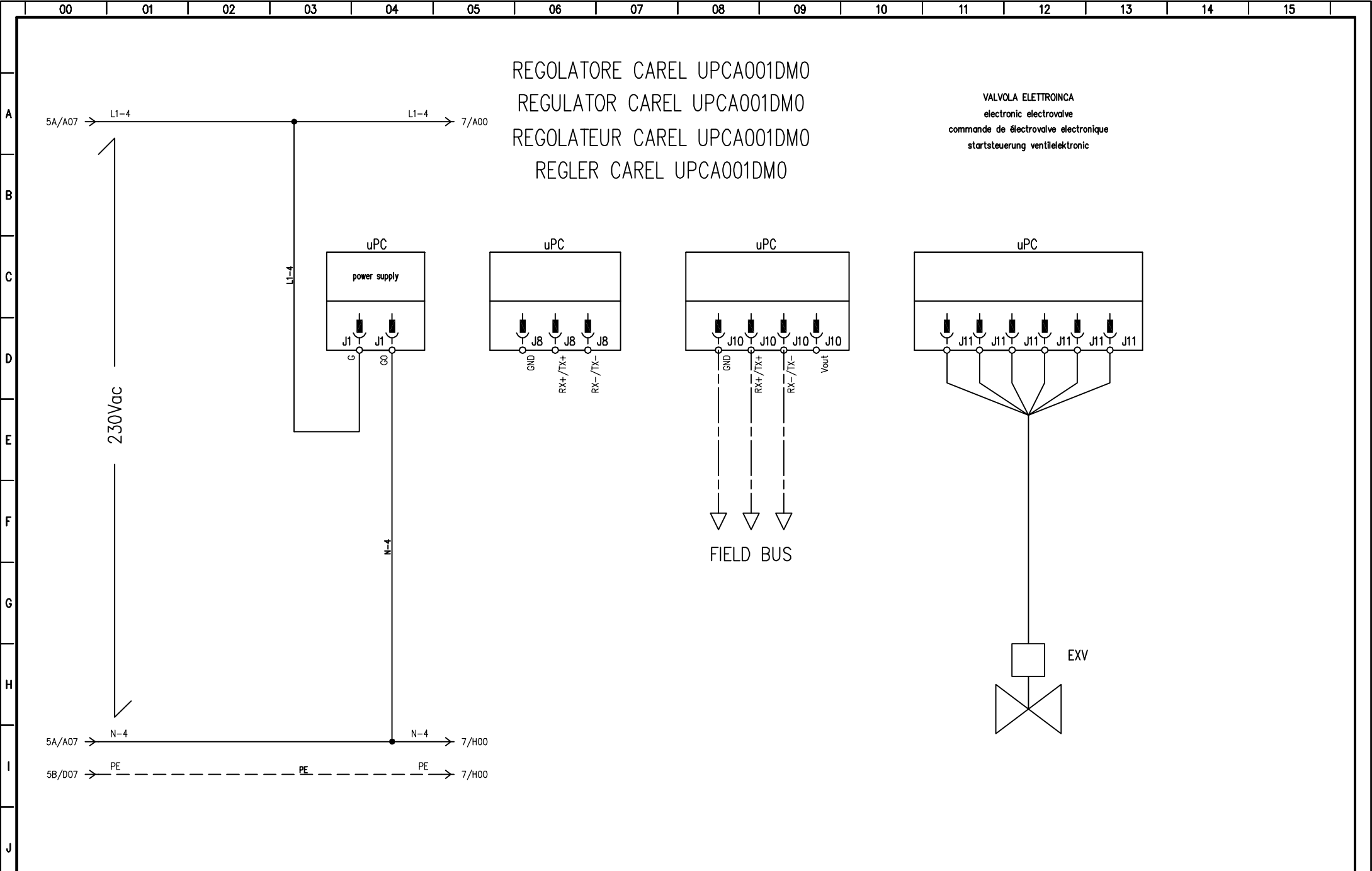
NR. DIS. PROJECT  
DRAW NR. BILD  
10-415

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE  
TOT. FOGLI  
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6  
38

SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT



REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO BOARD  
QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

TAFEL  
TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00937()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00937()

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6

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27/09/10

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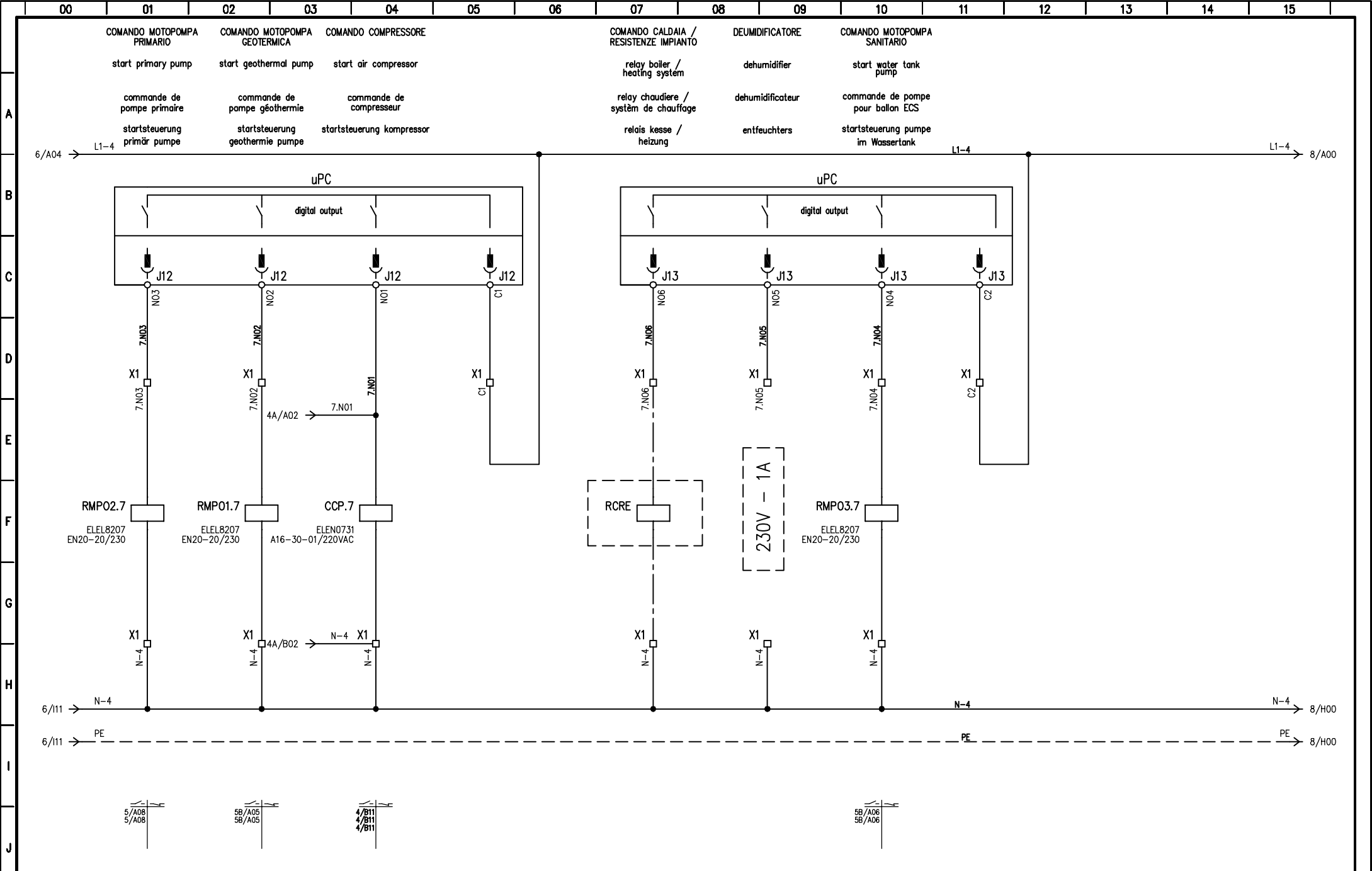
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NR. DIS. PROJECT  
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10-415

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE NEXT PAGE  
7  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 38 BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

TABEUA  
SCHALTAFEL

TABEUA Pompe a Chaleur TRIPHASE WRL - 2E00937()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00937()

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DATA  
DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

SEQUE  
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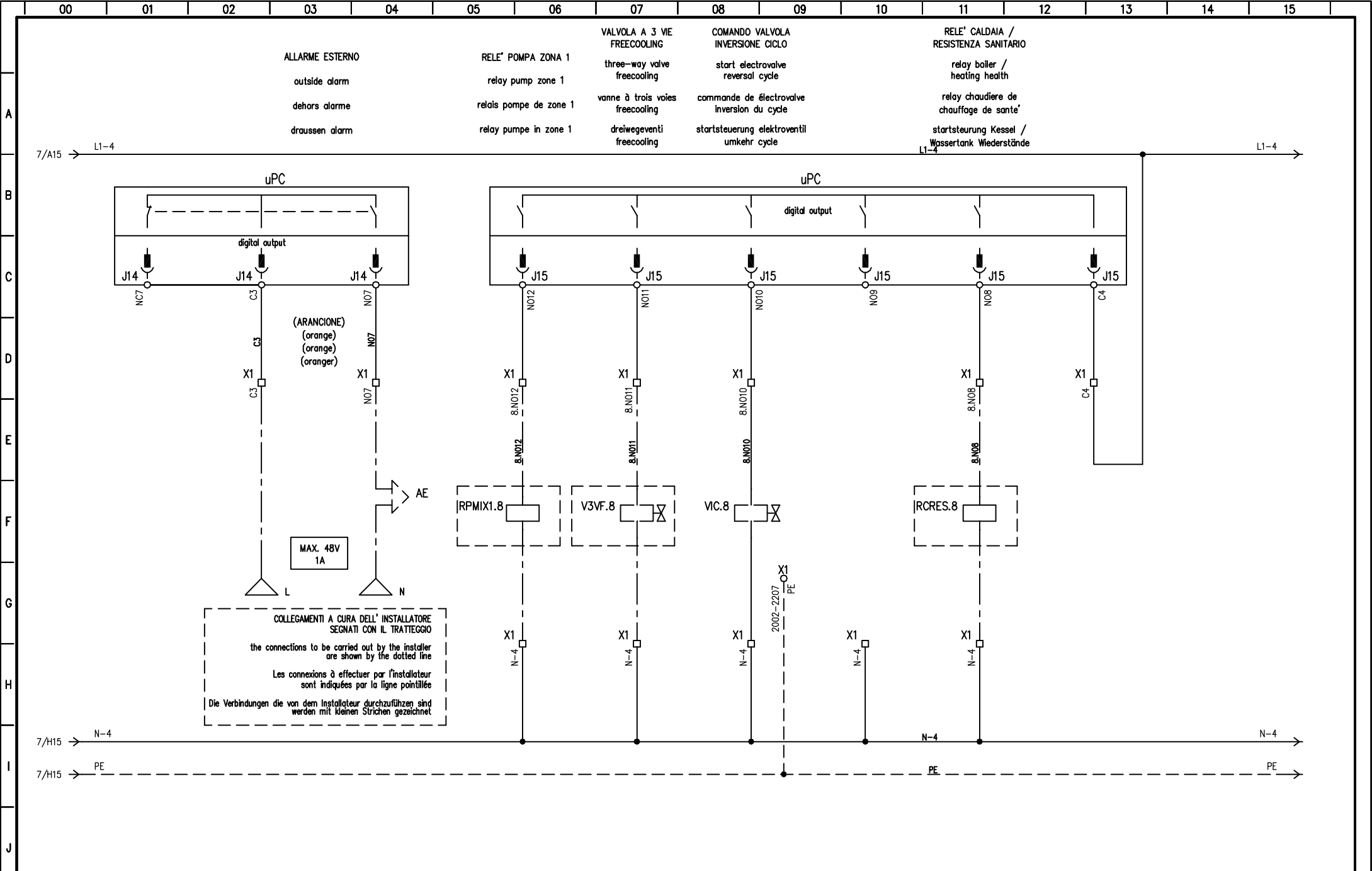
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SUITE  
METER

TOT. FOLI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00937()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00937()

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PAGE 8

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SEITE

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DATE 27/09/10

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DATE  
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FORTSCHREIBEN

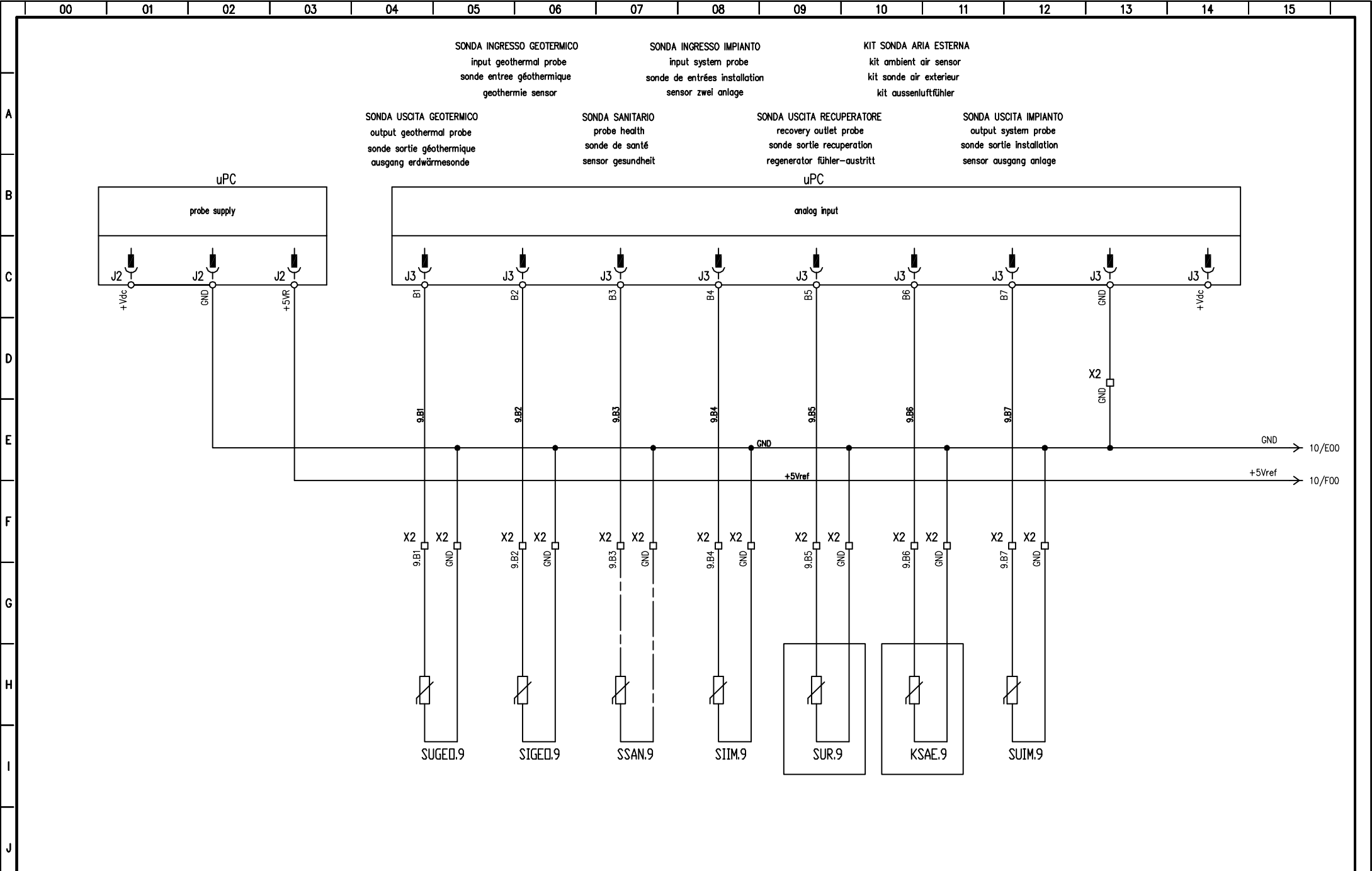
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TECHNICIAN  
MAQUETTISTE  
DER ENTWERFER  
P.E.

NR. DIS.  
DRAW NR.  
PROJECT  
BILD  
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DICHIARAZIONE N°  
DECLARATION NR.  
DECLARATION  
DER ANSAGEZETTEL  
XXXX

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PROJECT NR.  
TRAVAIL  
PROJECT  
1100

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SUITE  
METER  
TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00937()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00937()

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SEITE

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DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

NR. DIS. PROJECT  
DRAW NR. BILD  
10-415

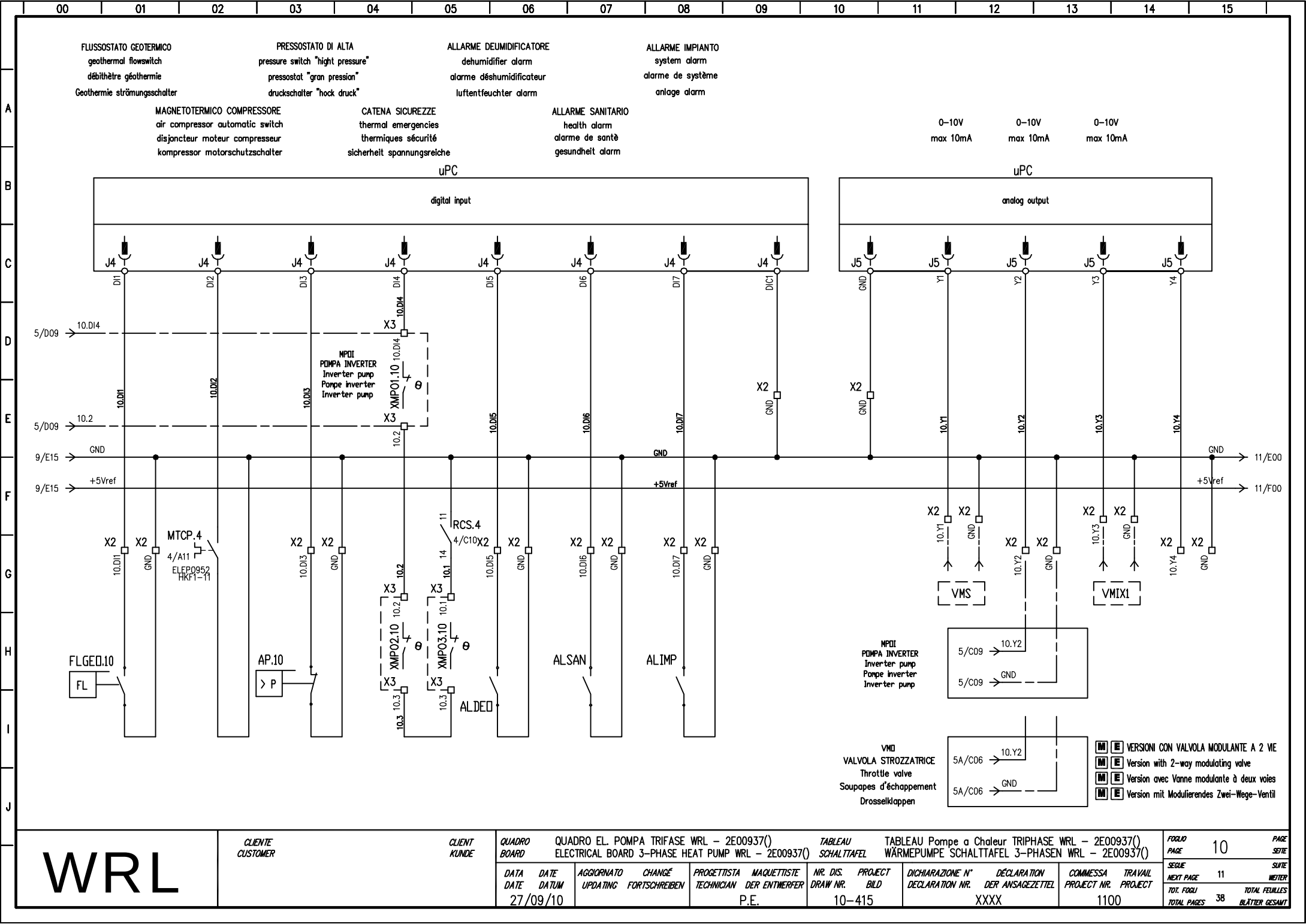
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DECLARATION NR. DER ANSAGEZETTEL  
XXXX

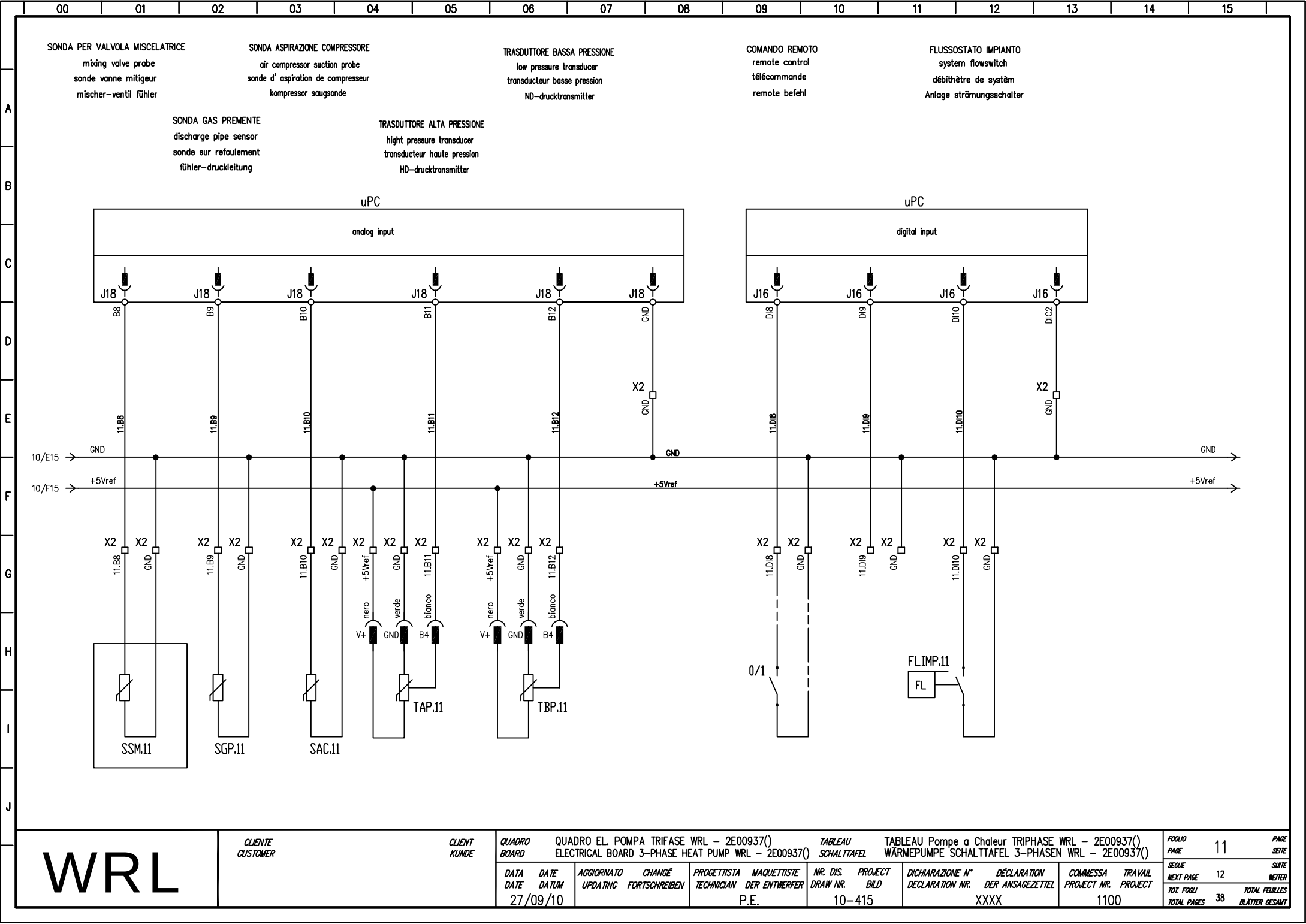
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PROJECT NR. PROJECT  
1100

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TOT. FOGLI  
TOTAL PAGES  
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38

SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT



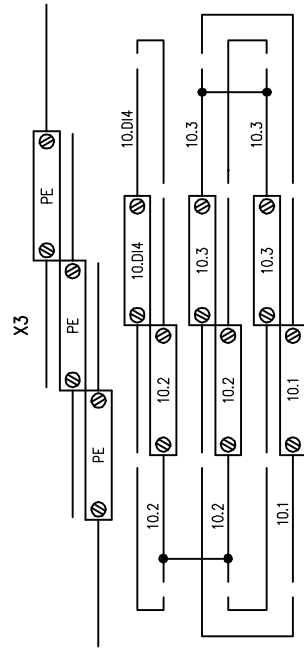
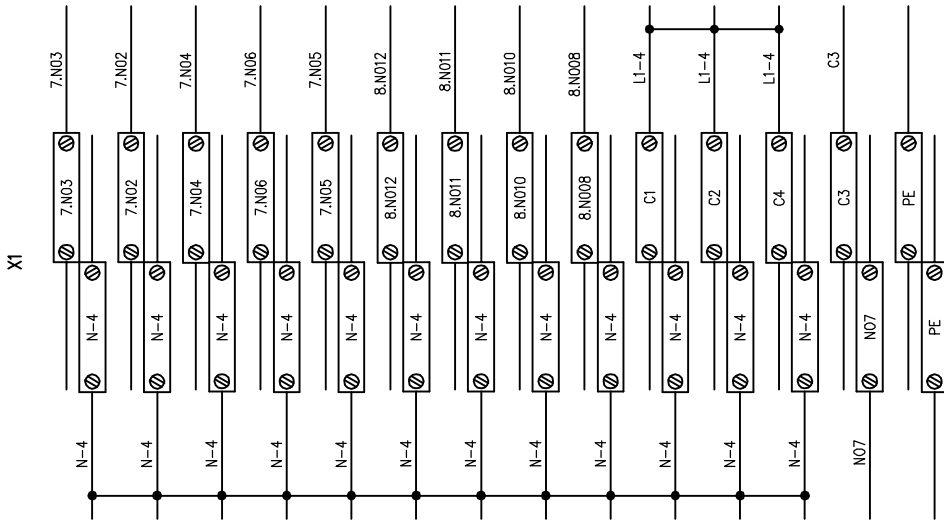




A  
B  
C  
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E  
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G  
H  
I  
J

MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

MORSETTO TRIPLO G/V 2,5mmq MOLLA PE WAGO 2002-3207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

TABE  
SCHALT

TABE  
WÄRM

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AGGIORNATO  
UPDATING  
CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN  
MAQUETTISTE  
DER ENTWERFER  
P.E.

NR. DIS.  
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PROJECT  
BILD  
10-415

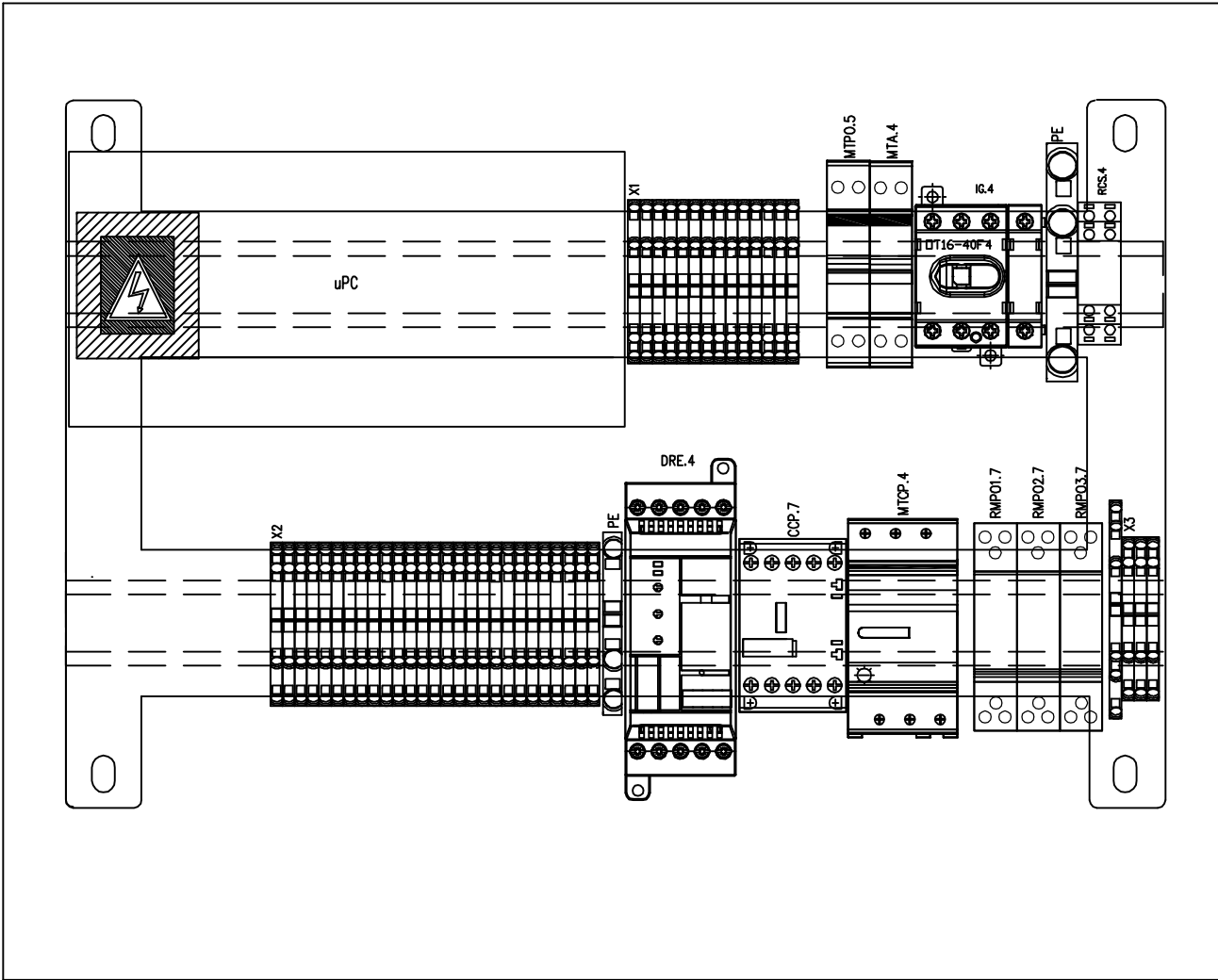
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DECLARATION NR.  
DÉCLARATION  
DER ANSAGEZETTEL  
XXXX

COMMESSA  
PROJECT NR.  
TRAVAIL  
PROJECT  
1100

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NEXT PAGE  
TOT. FOLJ  
TOTAL PAGES  
13  
38  
SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT



VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht

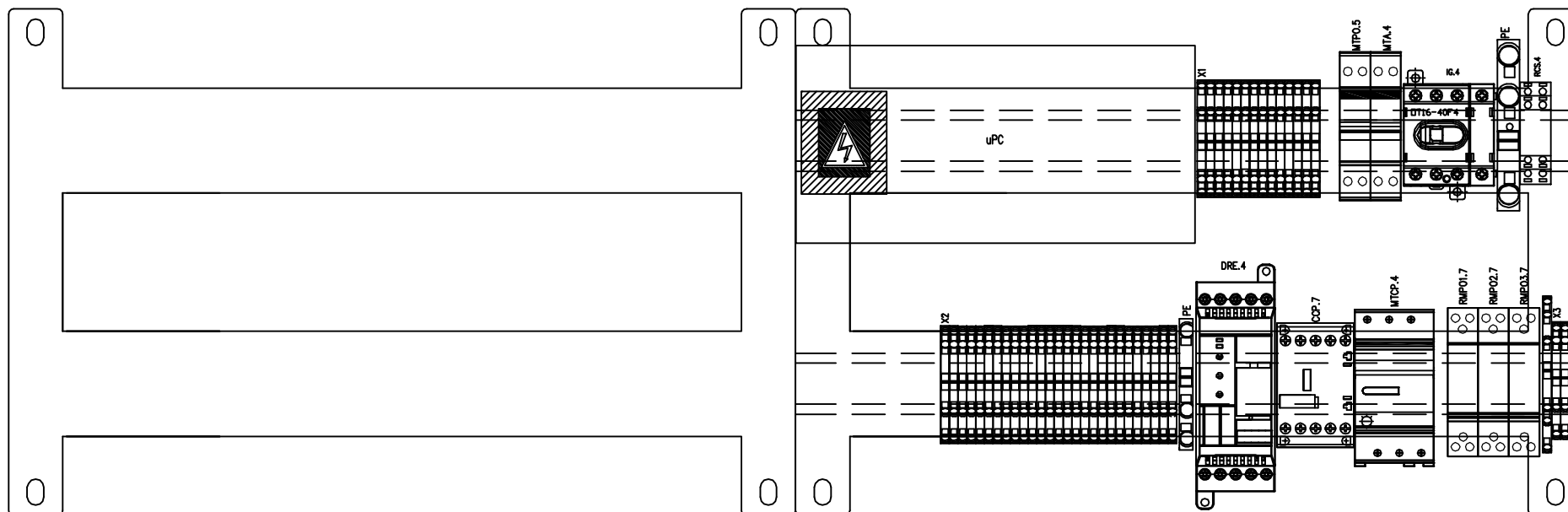


|                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                                                            | TECHNICAL DATA BOX                                                                                                           |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /                                   | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                               |
| DIMENSIONI                                                                                                                          | DIMENSION                                                                                                                    |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                                                  | height: 350<br>Width: 500<br>Deep: 160                                                                                       |
| NOTE                                                                                                                                | NOTES                                                                                                                        |
| DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSION                                                                                                                           | ABMESSUNGEN                                                                                                                  |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                                     | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                                        |
| NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

|                                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE | <input type="checkbox"/> Tableau standard        |
| <input type="checkbox"/> Standard Board  | <input type="checkbox"/> serienmäßig schalttafel |

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version avec Vanne modulante à deux voies  |
| <b>M</b> Version with 2-way modulating valve    | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



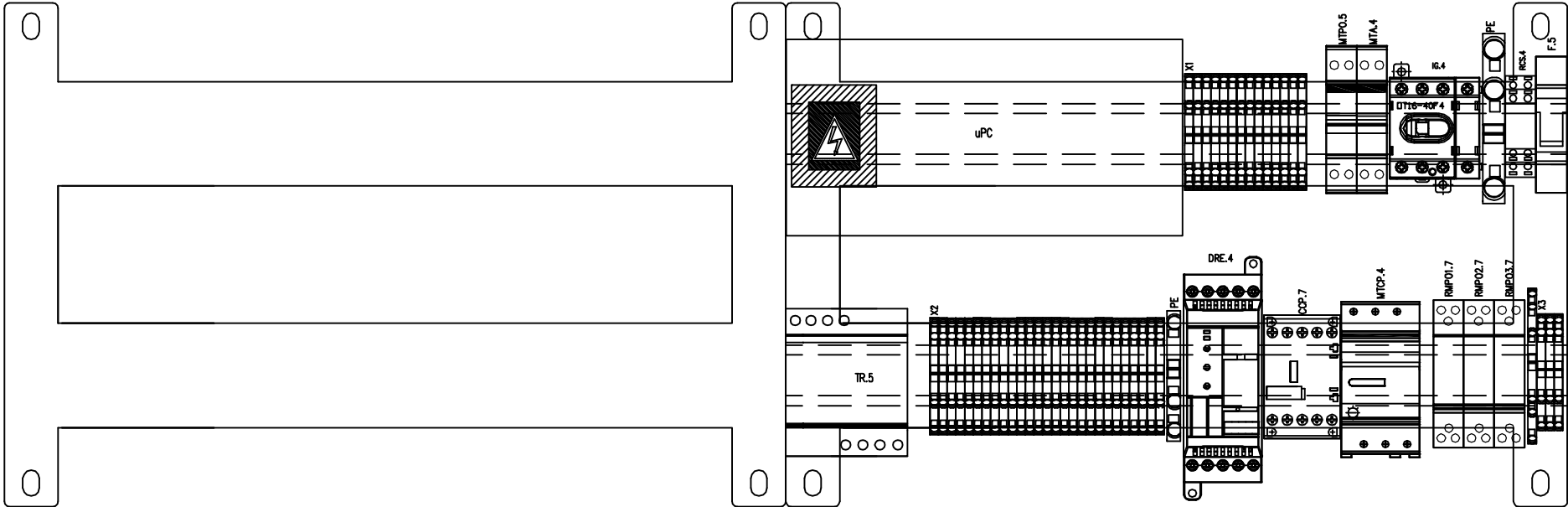
# WRL

**SUITE**  
**WEITER**  
**TOTAL FEUILLES**  
**BLÄTTER GESAMT**

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

|                                                                                                                               |                                                                                                                      |                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA<br>Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNICAL DATA BOX<br>Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI<br>Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                              | DIMENSION<br>height: 350<br>Width: 1040<br>Deep: 160                                                                 | DIMENSION<br>Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                                       | ABMESSUNGEN<br>Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                                        |
| NOTE                                                                                                                          | NOTES                                                                                                                | NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



**E** VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE  
**E** Version with Storage + 2-way modulating valve

**E** Version avec Stockage + Vanne modulante à deux voies  
**E** Version mit Lagerung + Modulierendes Zwei-Wege-Ventil

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00937()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00937()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00937()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00937()

FOGLIO  
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PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-415

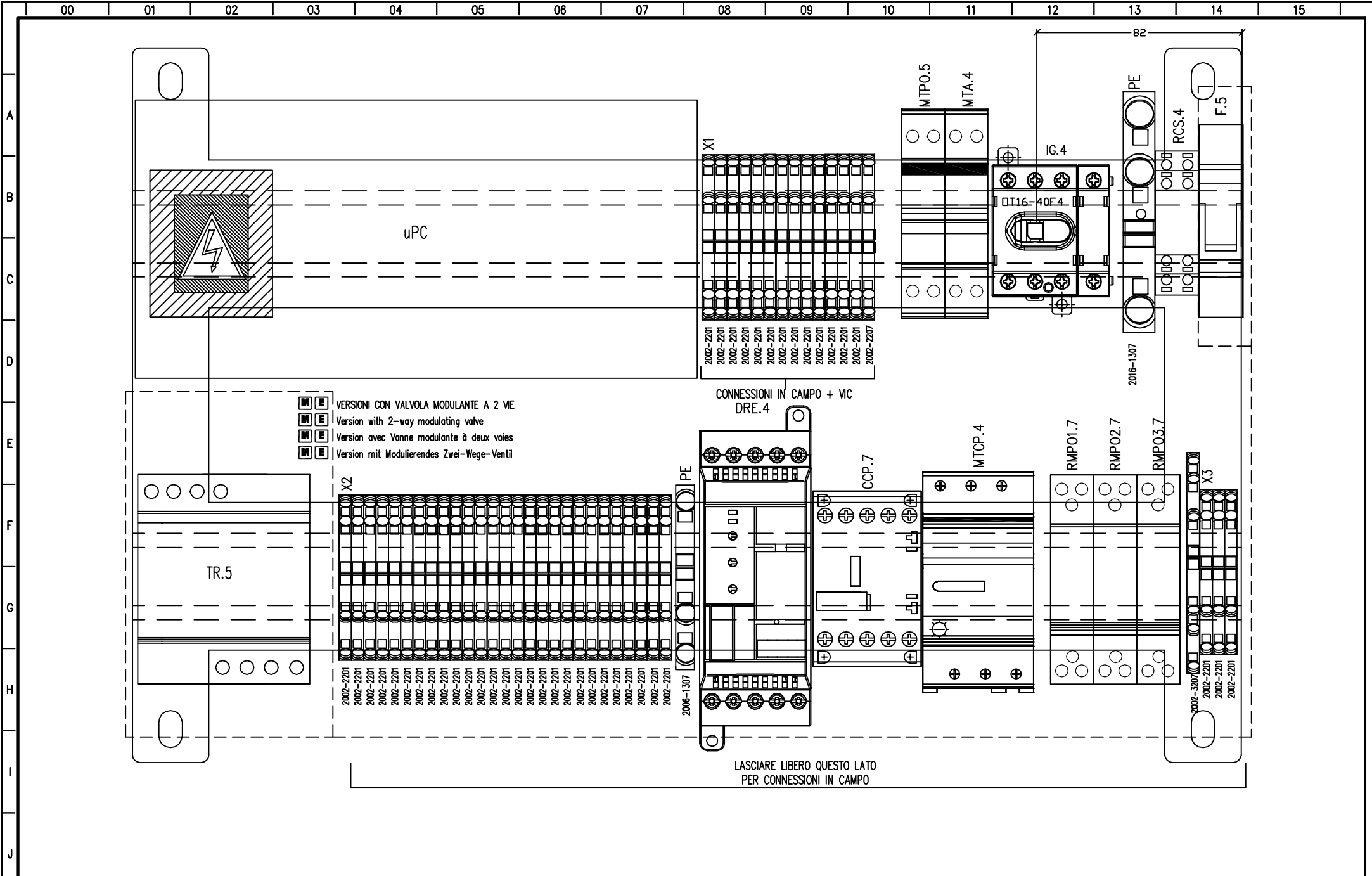
DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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14D

SUITE  
METIER  
TOTAL FEUILLES  
BLÄTTER GESAMT  
38





|                                                       |            |            |                                |
|-------------------------------------------------------|------------|------------|--------------------------------|
| <b>POMPA TRIFASE</b>                                  |            |            | <b>WRL070</b><br><b>WRL080</b> |
| <b>Quadro elettrico</b>                               |            | <b>REV</b> |                                |
| cod.                                                  | 2E00938    | 1          |                                |
| cod.                                                  | 2E00938A   | 1          | <b>A</b>                       |
| cod.                                                  | 2E00938M   | 1          | <b>M</b>                       |
| cod.                                                  | 2E00938E   | 1          | <b>E</b>                       |
|                                                       |            |            |                                |
| rif.                                                  | 2E00787A_2 | 2E00857_3  |                                |
| lotto                                                 | nr.: XXXX  |            |                                |
| VERS.                                                 |            |            |                                |
| NO SOFTSTARTER – SI MOTOPOMPE – X=VALVOLA ELETTRONICA |            |            |                                |

|                                                 |                                              |                                                    |                                                     |
|-------------------------------------------------|----------------------------------------------|----------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE        | <input type="checkbox"/> Standard Board      | <input type="checkbox"/> Tableau standard          | <input type="checkbox"/> serienmäßig schalttafel    |
| <b>A</b> VERSIONE CON ACCUMULO                  | <b>A</b> Version with Storage                | <b>A</b> Version avec Stockage                     | <b>A</b> Version mit Lagerung                       |
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version with 2-way modulating valve | <b>M</b> Version avec Vanne modulante à deux voies | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |
| <b>E</b> A + M                                  | <b>E</b> A + M                               | <b>E</b> A + M                                     | <b>E</b> A + M                                      |

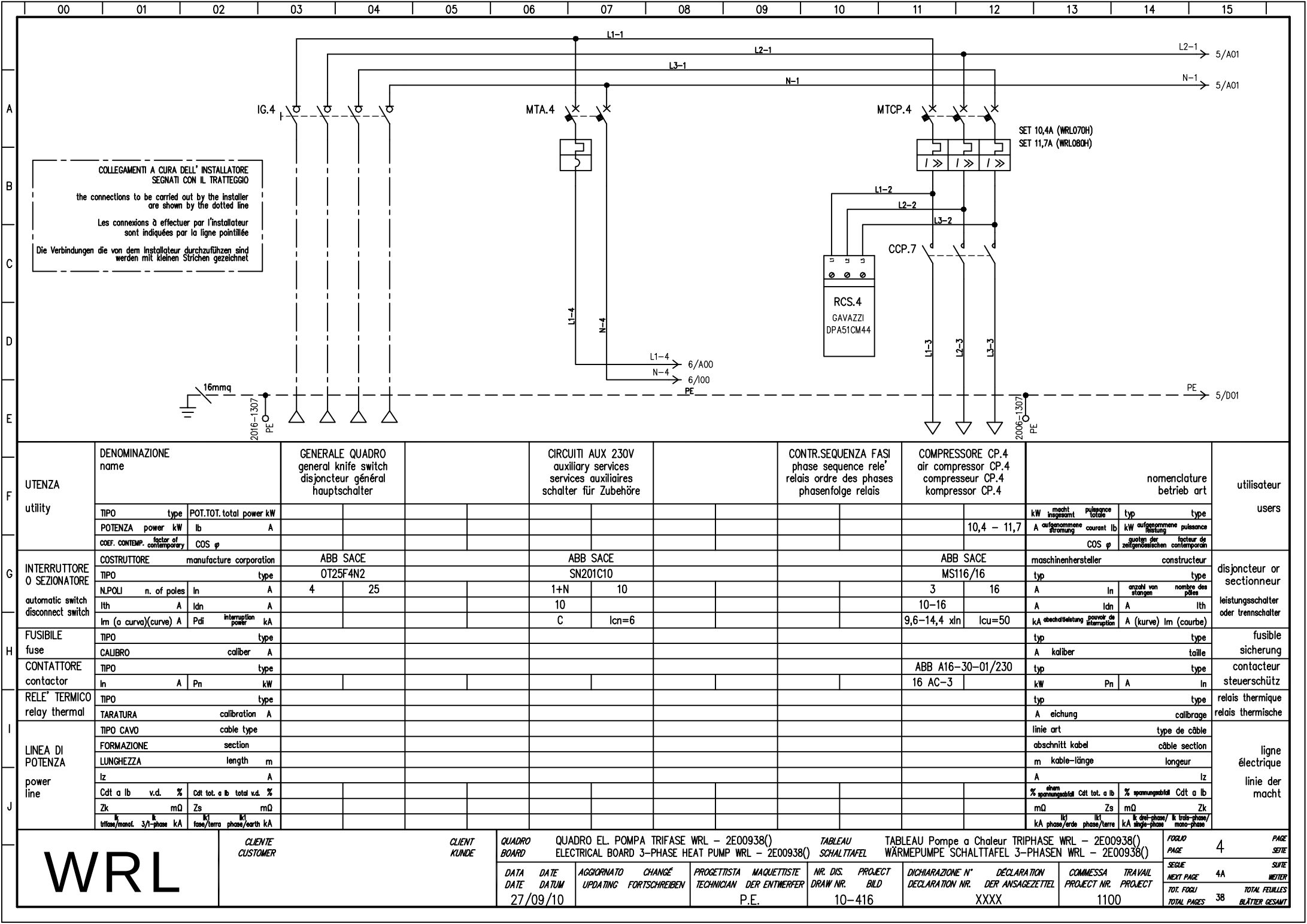
|                        |                     |                      |                |
|------------------------|---------------------|----------------------|----------------|
| WRL                    |                     |                      |                |
| Costruttore            | Manufacturer        | NORMA CEI EN 60335-1 |                |
| COD. ARTICOLO          | Article Code        | 2E009380_01          | 03/03/11       |
| ALIMENTAZIONE          | Power supply        | 3/N/PE - 50 Hz 400V  |                |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 Hz 50      |
| POMPA DI CALORE WRL070 | Heat Pump WRL070    | A Max                | 17             |
| POMPA DI CALORE WRL080 | Heat Pump WRL080    | A Max                | 18,3           |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x             |
| NOTE NR. LOTTO=        | Notes               | XXXX                 | CEI EN 60335-1 |

|                        |                     |                      |                |
|------------------------|---------------------|----------------------|----------------|
| WRL                    |                     |                      |                |
| Constructeur           | Maschinenhersteller | NORMA CEI EN 60335-1 |                |
| Code Article           | Artikelcode         | 2E009380_01          | 03/03/11       |
| Alimentation           | Stromversorgung     | 3/N/PE - 50 Hz 400V  |                |
| Tension Nominale       | Nennspannung        | V                    | 400 Hz 50      |
| Pompe a Chaleur WRL070 | Wärmepumpe WRL070   | A Max                | 17             |
| Pompe a Chaleur WRL080 | Wärmepumpe WRL080   | A Max                | 18,3           |
| Degré de protection    | Schutzgrad          | IP                   | 2x             |
| Note                   | Anmerkungen         | XXXX                 | CEI EN 60335-1 |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉES    |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGEKOMMEN  | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|---------------------------------|
| <b>WRL</b>                                                                                                                                           |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD                 |
|                                                                                                                                                      |                 | 10-416                       |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                                                                                                                                                      |                 | 27/09/10                     |                                 |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00938                      | TABEALU<br>SCHALTAFEL           |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT              |
|                                                                                                                                                      |                 | 1100                         |                                 |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER    |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION | DÉCLARATION<br>DER ANSAGEZETTEL |
|                                                                                                                                                      |                 | XXXX                         |                                 |

|   | 00                                                                                                                                                                                                                                                                                                                                                                                         | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 04                                                                                                                                                                                                                                                                                                | 05 | 06 | 07 | 08                                                                                                                                                                                     | 09                                                                                                                                                                                                         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| A |                                                                                                                                                                                                                                                                                                                                                                                            | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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|   | O/I<br>AE<br>AL<br>ALDEO<br>ALSAN<br>ALUMP<br>BL<br>CCP<br>CP<br>CMPO<br>RCRE<br>RCRES<br>DCP                                                                                                                                                                                                                                                                                              | INTERRUTTORE ACCESO/SPENTO<br>ALLARME ESTERNO<br>ALLARME<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>CONTATTORE COMPRESSORE<br>COMPRESSORE<br>CONTATTORE MOTOPOMPA<br>RELE' CALDAIA/RESISTENZA IMPIANTO<br>RELE' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE<br>DEUMIDIFICATORE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Switch On Off<br>remote alarm<br>alarm<br>alarm dehumidifier<br>health alert<br>boiler/heater alarm<br>compressor contactor<br>compressor<br>pump contactor<br>relay boiler / heating system<br>relay boiler / heating health<br>low ambient temperature device<br>dehumidifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relais chaudière/système de chauffage<br>relais chaudière de chauffage de santé<br>dispositif pour basse température<br>dehumidificateur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pumpe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank<br>Widerstände<br>winterregelung<br>entfeuchters |    |    |    | AP<br>BP<br>FL<br>EXV<br>FLGEO<br>FLIMP<br>MAP<br>MBP<br>KSAE<br>SAC<br>SIM<br>SGP<br>SIGEO<br>SIW<br>SIWH<br>SRIM<br>SSAN<br>SUGEO<br>SUIM<br>SUR<br>SUW<br>SUWH<br>SSM<br>TAP<br>TBP | PRESSOSTATO DI ALTA<br>PRESSOSTATO DI BASSA<br>FLUSSOSTATO<br>VALVOLA ELETTRONICA<br>FLUSSOSTATO GEOTERMICO<br>FLUSSOSTATO IMPIANTO<br>MORSETTIERA PRESSOSTATO DI ALTA<br>MORSETTIERA PRESSOSTATO DI BASSA<br>SONDA ARIA ESTERNA<br>SONDA ASPIRAZIONE COMPRESSORE<br>SONDA INGRESSO IMPIANTO<br>SONDA GAS PREMENTE<br>SONDA INGRESSO GEOTERMICO<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA RITORNO IMPIANTO<br>SONDA SANITARIO<br>SONDA USCITA GEOTERMICO<br>SONDA USCITA IMPIANTO<br>SONDA USCITA RECUPERATORE<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA VALVOLA MISCELATRICE<br>TRASDUTTORE ALTA PRESSIONE<br>TRASDUTTORE BASSA PRESSIONE | "high pressure" contral<br>pressure switch "low pressure"<br>flowswitch<br>electronic electrovalve<br>geothermal flowswitch<br>system flowswitch<br>pressure switch "high pressure" clamps<br>pressure switch "low pressure" clamps<br>ambient air probe<br>air compressor suction probe<br>input system probe<br>discharge pipe sensor<br>input geothermal probe<br>water inlet probe (NTC)<br>water inlet probe (NTC)<br>output system probe<br>probe health<br>output geothermal probe<br>output system probe<br>recovery outlet probe<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>mixing valve probe<br>high pressure trasducer<br>low pressure trasducer | pressostat "haut pression"<br>pressostat "basse pression"<br>fluxostat<br>commande de électrovalve électronique<br>débitmètre géothermie<br>débitmètre de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air extérieur<br>sonde d'aspiration de compresseur<br>sonde de entrées installation<br>sonde sur refolement<br>sonde entree géothermique<br>sonde entree eau (NTC)<br>sonde entree eau (NTC)<br>sonde de sorties installation<br>sonde de santé<br>sonde sortie géothermique<br>sonde sortie installation<br>sonde sortie recuperation<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde robinet mélange<br>transducteur haute pression<br>transducteur basse pression | hochdruckpressostat<br>druckschalter "niedrig druck"<br>stroemungswaechter<br>startsteuerung ventilelektronic<br>Geothermie strömungsschalter<br>Anlage strömungsschalter<br>druckschalter "hoch druck" klemmen<br>druckschalter "niedrig druck" klemmen<br>aussenluftfuehler<br>kompressor saugsonde<br>sensor zwei anlage<br>fühler-druckleitung<br>geothermie sensor<br>fühler-wassereintritt (NTC)<br>fühler-wassereintritt (NTC)<br>Ausgang Wärmetauscher sensor<br>probe gesundheit<br>ausgang erdwärmesonde<br>sensor ausgang anlage<br>regenerator fühler-austritt<br>fühler-wasserströmung (NTC)<br>fühler-wasserströmung (NTC)<br>mischerventil probe<br>HD-drucktransmitter<br>ND-drucktransmitter |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B | DRE<br>F<br>FRC<br>IG<br>L<br>M<br>MA<br>MCN<br>MPO1<br>MPO2<br>MPO3<br>MRTF<br>MSN<br>MTA<br>MTMPO<br>MTCP<br>MTR<br>N<br>NE<br>PE<br>PD<br>PDH<br>RPMIX1<br>PR<br>R<br>RAP<br>RC<br>RCP<br>RCS<br>RE<br>RER<br>RIMO<br>RI<br>RVSE<br>RX<br>SET<br>SIC<br>TEP<br>TGP<br>TR<br>TP<br>TSME<br>TSRE<br>TSRI<br>TSVSE<br>TV<br>V3VF<br>V3VS<br>VIC<br>VLS<br>VMD<br>VMS<br>VMDX1<br>VS<br>VSE | AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | AVVIATORE<br>FUSIBILE<br>Interference suppressor<br>Main switch<br>phase of power supply<br>clamps<br>brown<br>control clamps<br>geothermal pump<br>primary pump<br>water tank pump<br>governor-cut phase clamps<br>signal clamps<br>auxiliary services magneto-thermal<br>pump magneto-thermal<br>compressor magneto-thermal<br>Heater switch<br>neutral of power supply<br>black<br>grounded<br>differential pressure switch<br>differential pressure switch<br>relay pump zone 1<br>remote panel<br>relé<br>"high pressure" relay<br>compressor oil heater<br>air compressor relé<br>phase sequence relay<br>antifreeze resistances<br>antifreeze recovery<br>pump relé<br>heating device<br>economizer relé<br>tray resistance<br>second set<br>thermal emergencies<br>delayed relé<br>discharge gas thermostat<br>Transformator<br>pressure transducer<br>mechanical thermostat<br>antifreeze resistances thermostat<br>heating device safety thermostat<br>economizer thermostat<br>thermistor fan coil<br>three-way valve freecooling<br>three-way valve health<br>reversal cycle valve<br>electrovalve liquid interception<br>2-way modulating valve<br>modulating valve health<br>mixing valve zone 1<br>electrovalve injection of liquid<br>electrovalve economizer | avviateur<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase de alimentation<br>bornes<br>marron<br>bornes de commande<br>pompe géothermie<br>pompe primaire<br>pompe pour ballon ECS<br>bornes de gouverneur coupe phase<br>bornes de signal<br>magneto-thermique services auxiliaires<br>magneto-thermique de pompe<br>magneto-thermique compresseur<br>magneto-thermique Chauffage<br>neutre de alimentation<br>noir<br>mise à la terre<br>pressostat différentiel<br>pressostat différentiel<br>relais pompe de zone 1<br>commande à distance<br>relais<br>Relsais haute pression<br>résistance huile CP<br>relais de compresseur<br>relais sequenciel<br>résistance antigel<br>recouvrement antigel<br>relais de pompe<br>chauffage<br>relais de economizer<br>résistance de bassins<br>second set<br>thermiques sécurité<br>relais retard<br>thermostat de gaz de décharge<br>transformateur<br>transducteur pression<br>Thermostat mécanique<br>thermostat de résistance antigel<br>thermostat de sécurité chauffage<br>Thermostat economizer<br>thermistance ventilateur<br>vanne à trois voies freecooling<br>vanne à trois voies de santé<br>vanne inversion de cycle<br>électrovalve interception de liquide<br>Vanne modulante à deux voles<br>Modulation de la santé valve<br>Vanne de zone de mélange 1<br>électrovalve injection de liquide<br>électrovalve economizer |                                                                                                                                                                                                                                                                                                   |    |    |    |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                      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|----------------------------------------------------------------------------|------------------------------------------|---------------------|---------------------------|---------------------------------------------------------------------------------|-----|-----|----------------------------|-----------------------|-----------------------------|------------------------------------------------------------------------------------------|-----|--|----|---|--|----------------------------------------------------------------------------------------------|---------|--|--------------------------------------------------------------------------------|--------------|---------------------------|-------------------------------|-----------------------|--------------------------------------------------------|-----------------------------------------|--------------------------------|-------------------------------|-----------------------------------------------|----------------------------|--|--|--|--|
| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                    |                     |                           | GENERALE QUADRO<br>general knife switch<br>disjoncteur général<br>hauptschalter |     |     |                            |                       |                             | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |     |  |    |   |  | CONTR.SEQUENZA FASI<br>phase sequence rele'<br>relais ordre des phases<br>phasenfolge relais |         |  | COMPRESSORE CP.4<br>air compressor CP.4<br>compresseur CP.4<br>kompressor CP.4 |              |                           | nomenclature<br>betrieb art   |                       |                                                        | utilisateur                             |                                |                               |                                               |                            |  |  |  |  |
|                                                                            | TIPO type                                |                     | POT.TOT. total power kW   |                                                                                 |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  |                                                                                |              | kW<br>machts<br>insgesamt |                               | puissance<br>totale   |                                                        | typ type                                |                                | users                         |                                               |                            |  |  |  |  |
|                                                                            | POTENZA power kW                         |                     | lb                        | A                                                                               |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  |                                                                                | 10,4 – 11,7  |                           | A<br>aufgenommene<br>stromung |                       | courant lb                                             |                                         | kW<br>aufgenommene<br>leistung |                               |                                               |                            |  |  |  |  |
|                                                                            | COEF. CONTEMP. factor of<br>contemporary |                     | COS ϕ                     |                                                                                 |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  |                                                                                |              |                           |                               | COS ϕ                 |                                                        | coefficient<br>de simultanéité          |                                | facteur de<br>contemporanéité |                                               |                            |  |  |  |  |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE manufacture corporation      |                     |                           | ABB SACE                                                                        |     |     |                            |                       |                             | ABB SACE                                                                                 |     |  |    |   |  | ABB SACE                                                                                     |         |  | ABB SACE                                                                       |              |                           | maschinenhersteller           |                       |                                                        | constructeur                            |                                |                               | disjoncteur or<br>sectionneur                 |                            |  |  |  |  |
|                                                                            | TIPO type                                |                     |                           | OT25F4N2                                                                        |     |     |                            |                       |                             | SN201C10                                                                                 |     |  |    |   |  | MS116/16                                                                                     |         |  | typ type                                                                       |              |                           |                               |                       |                                                        | leistungsschalter<br>oder trennschalter |                                |                               |                                               |                            |  |  |  |  |
|                                                                            | N.POLI n. of poles                       |                     | In                        | A                                                                               |     | 4   | 25                         |                       |                             |                                                                                          | 1+N |  | 10 |   |  |                                                                                              | 3       |  | 16                                                                             |              | A                         |                               | In                    |                                                        |                                         | anzahl von<br>stangen          |                               | nombre des<br>pôles                           |                            |  |  |  |  |
|                                                                            | lth                                      |                     | A                         |                                                                                 | Idn |     | A                          |                       |                             |                                                                                          | 10  |  |    |   |  |                                                                                              | 10–16   |  |                                                                                |              | A                         |                               | Idn                   |                                                        |                                         | A                              |                               | lth                                           |                            |  |  |  |  |
|                                                                            |                                          | Im (a curve)(curve) |                           | A                                                                               |     | Pdi |                            | interruption<br>power |                             | kA                                                                                       |     |  |    | C |  | Icn=6                                                                                        |         |  |                                                                                | 9,6–14,4 xIn |                           | Icu=50                        |                       | kA<br>abschaltleistung<br>puissance de<br>interruption |                                         | A (kurve) Im (courbe)          |                               |                                               |                            |  |  |  |  |
| FUSIBILE<br>fuse                                                           | TIPO type                                |                     |                           |                                                                                 |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  |                                                                                |              |                           | typ type                      |                       |                                                        |                                         |                                |                               | fusible<br>sicherung                          |                            |  |  |  |  |
|                                                                            | CALIBRO caliber                          |                     |                           | A                                                                               |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  |                                                                                |              |                           | A<br>kaliber                  |                       |                                                        | taille                                  |                                |                               |                                               |                            |  |  |  |  |
| CONTATTORE<br>contactor                                                    | TIPO type                                |                     |                           |                                                                                 |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  | ABB A16–30–01/230                                                              |              |                           | typ type                      |                       |                                                        |                                         |                                |                               | contacteur<br>steuerschütz                    |                            |  |  |  |  |
|                                                                            | In                                       |                     | A                         |                                                                                 | Pn  |     | kW                         |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              | 16 AC–3 |  |                                                                                |              | kW                        |                               | Pn                    |                                                        | A                                       |                                | In                            |                                               |                            |  |  |  |  |
| RELE' TERMICO<br>relay thermal                                             | TIPO type                                |                     |                           |                                                                                 |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  |                                                                                |              |                           | typ type                      |                       |                                                        |                                         |                                |                               | relais thermique<br>relais thermische         |                            |  |  |  |  |
|                                                                            | TARATURA calibration                     |                     |                           | A                                                                               |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  | A<br>eichung                                                                   |              |                           | calibrage                     |                       |                                                        |                                         |                                |                               |                                               |                            |  |  |  |  |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TIPO CAVO cable type                     |                     |                           |                                                                                 |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  |                                                                                |              |                           | linie art                     |                       |                                                        | type de câble                           |                                |                               | ligne<br>électrique<br><br>linie der<br>macht |                            |  |  |  |  |
|                                                                            | FORMAZIONE section                       |                     |                           |                                                                                 |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  | abschnitt kabel                                                                |              |                           | câble section                 |                       |                                                        |                                         |                                |                               |                                               |                            |  |  |  |  |
|                                                                            | LUNGHEZZA length                         |                     |                           | m                                                                               |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  | m<br>kable-länge                                                               |              |                           | longueur                      |                       |                                                        |                                         |                                |                               |                                               |                            |  |  |  |  |
|                                                                            | Iz                                       |                     |                           | A                                                                               |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  | A                                                                              |              |                           | Iz                            |                       |                                                        |                                         |                                |                               |                                               |                            |  |  |  |  |
|                                                                            | Cdt a lb                                 |                     | v.d.                      |                                                                                 | %   |     | Cdt tot. a lb              |                       | total v.d.                  |                                                                                          | %   |  |    |   |  |                                                                                              |         |  |                                                                                |              | ohms<br>% spannungsfaktor |                               | Cdt tot. a lb         |                                                        | %                                       |                                | spannungsfaktor               |                                               | Cdt a lb                   |  |  |  |  |
|                                                                            | Zk                                       |                     | mQ                        |                                                                                 | Zs  |     | mQ                         |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  |                                                                                |              | mQ                        |                               | Zs                    |                                                        | mQ                                      |                                | Zk                            |                                               |                            |  |  |  |  |
|                                                                            | I <sub>tr</sub> phase/mono               |                     | I <sub>tr</sub> 3/1-phase |                                                                                 | kA  |     | I <sub>tr</sub> fase/terra |                       | I <sub>tr</sub> phase/earth |                                                                                          | kA  |  |    |   |  |                                                                                              |         |  |                                                                                |              | kA<br>phase/erde          |                               | I <sub>tr</sub> terre |                                                        | I <sub>tr</sub> phase/terra             |                                | kA<br>single-phase            |                                               | I <sub>tr</sub> mono-phase |  |  |  |  |
|                                                                            |                                          |                     |                           |                                                                                 |     |     |                            |                       |                             |                                                                                          |     |  |    |   |  |                                                                                              |         |  |                                                                                |              |                           |                               |                       |                                                        |                                         |                                |                               |                                               |                            |  |  |  |  |

WRL

CLIENTE  
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CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00938()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00938()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00938()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00938()

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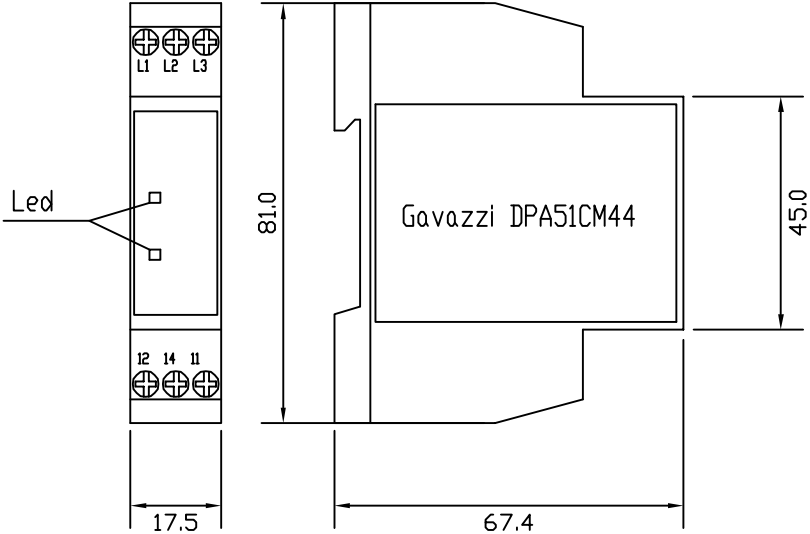
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TOTAL FEUILLES  
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| A   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| B   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| C   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| D   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| E   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| F   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| G   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| H   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| I   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| J   |                     |                 |          |       |                                                    |               |             |               |            |         |                                                  |                  |             |         |             |       |                |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   |       | QUADRO EL. POMPA TRIFASE WRL - 2E00938()           |               |             |               | TABLEAU    |         | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00938() |                  |             |         | FOLIO       |       | PAGE           |
|     |                     |                 | BOARD    |       | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00938() |               |             |               | SCHALTAFEL |         | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00938()   |                  |             |         | PAGE        |       | 4A             |
|     |                     |                 | DATA     | DATE  | AGGIORNATO                                         | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.   | PROJECT | DICHIARAZIONE N°                                 | DÉCLARATION      | COMMESSA    | TRAVAIL | SEQUE       | SUITE |                |
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|     |                     |                 | 27/09/10 |       |                                                    |               | P.E.        |               | 10-416     |         | XXXX                                             |                  | 1100        |         | TOT. FOGLI  | 38    | TOTAL FEUILLES |
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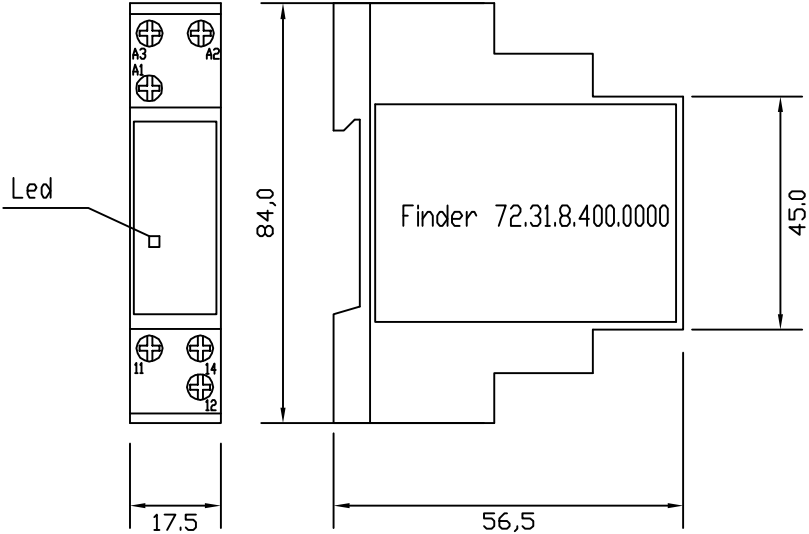
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QUADRO EL. POMPA TRIFASE WRL - 2E00938()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00938()

TABEAU  
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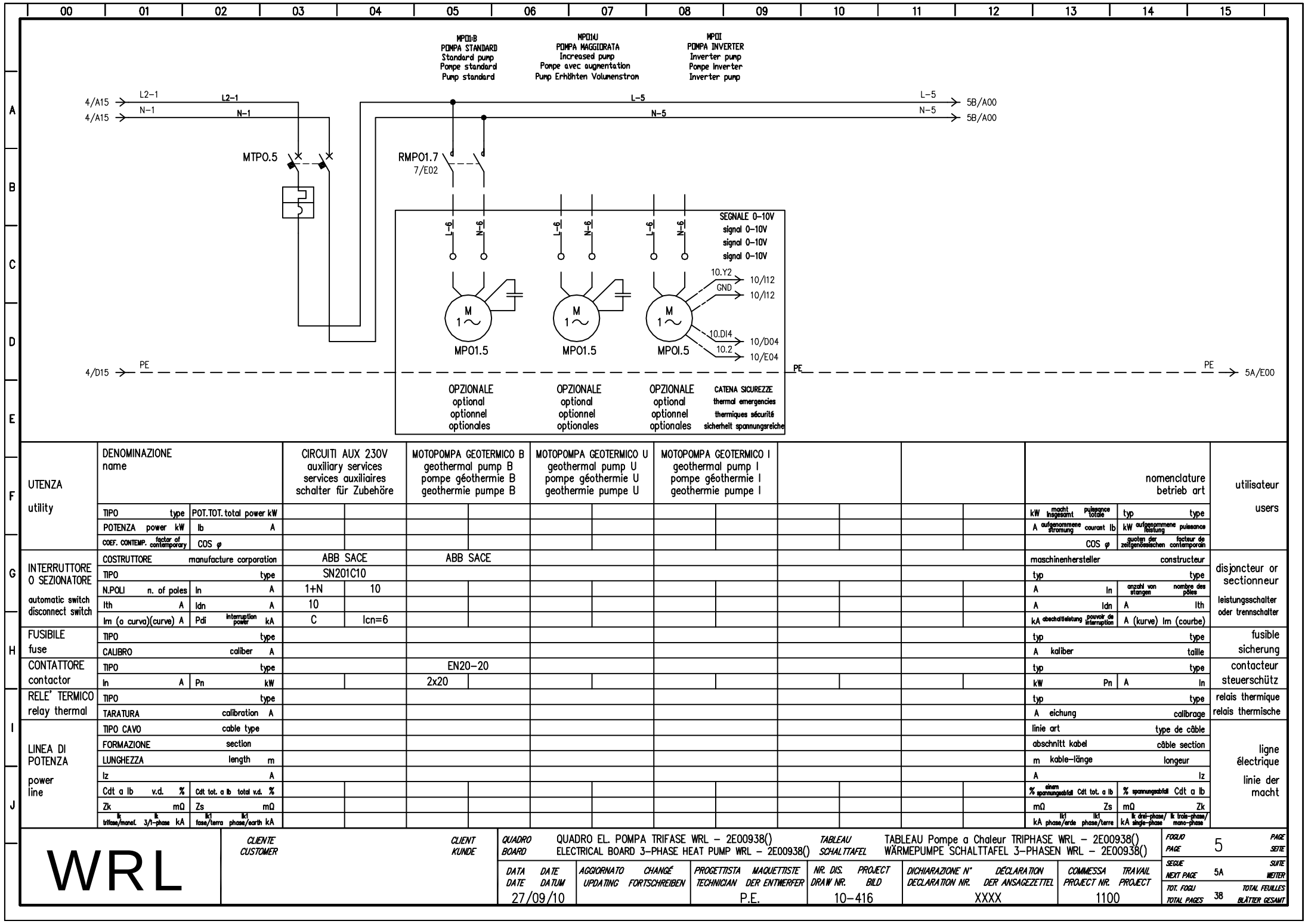
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TOT. FOGLI TOTAL FEUILLES 38  
TOTAL PAGES BLATTIER GESAMT



|                                                                        |                                       |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  |                                     |                                     |                                                                          |
|------------------------------------------------------------------------|---------------------------------------|----------------------------|------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|-------------------------------------|-------------------------------------|--------------------------------------------------------------------------|
| UTENZA<br>utility                                                      | DENOMINAZIONE<br>name                 |                            | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |    | MOTOPOMPA GEOTERMICO B<br>geothermal pump B<br>pompe géothermie B<br>geothermie pompe B |  | MOTOPOMPA GEOTERMICO U<br>geothermal pump U<br>pompe géothermie U<br>geothermie pompe U |  | MOTOPOMPA GEOTERMICO I<br>geothermal pump I<br>pompe géothermie I<br>geothermie pompe I |  | nomenclature<br>betrieb art         |                                     | utilisateur<br>users                                                     |
|                                                                        | TIPO type                             | POT.TOT. total power kW    |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | kW macht insgesamt puissance totale | typ type                            |                                                                          |
|                                                                        | POTENZA power kW                      | lb A                       |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | A aufgenommene stromung courant lb  | kW aufgenommene puissance           |                                                                          |
|                                                                        | COEF. CONTEMP. factor of contemporary | COS φ                      |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | COS φ                               | coefficient de simultanéité         |                                                                          |
| INTERRUTTORE<br>O SEZIONATORE<br>automatic switch<br>disconnect switch | COSTRUTTORE manufacture corporation   |                            | ABB SACE                                                                                 |    | ABB SACE                                                                                |  |                                                                                         |  |                                                                                         |  | maschinenhersteller constructeur    |                                     | disjoncteur or<br>sectionneur<br>leistungsschalter<br>oder trennschalter |
|                                                                        | TIPO type                             |                            | SN201C10                                                                                 |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | typ type                            |                                     |                                                                          |
|                                                                        | N.POLI n. of poles                    | In A                       | 1+N                                                                                      | 10 |                                                                                         |  |                                                                                         |  |                                                                                         |  | A In                                | anzahl von stromen nombre des poles |                                                                          |
|                                                                        | Ith A                                 | Idn A                      | 10                                                                                       |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | A Idn A                             | limite de rupture                   |                                                                          |
| FUSIBILE<br>fuse                                                       | TIPO type                             |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | typ type                            |                                     | fusible<br>sicherung<br>contacteur<br>steuerschutz                       |
|                                                                        | CAUBRO caliber                        | A                          |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | A kaliber                           | taille                              |                                                                          |
|                                                                        | TIPO type                             |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | typ type                            |                                     |                                                                          |
|                                                                        | In A                                  | Pn kW                      |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | kW Pn A                             | In                                  |                                                                          |
| RELE' TERMICO<br>relay thermal                                         | TIPO type                             |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | typ type                            |                                     | relais thermique<br>relais thermische                                    |
|                                                                        | TARATURA calibration                  | A                          |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | A eichung                           | calibrage                           |                                                                          |
|                                                                        | TIPO CAVO cable type                  |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | linie art                           | type de câble                       |                                                                          |
|                                                                        | FORMAZIONE section                    |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | abschnitt kabel                     | câble section                       |                                                                          |
| LINEA DI<br>POTENZA<br>power line                                      | LUNGHEZZA length                      | m                          |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | m kable-länge                       | longueur                            | ligne<br>électrique<br>linie der<br>macht                                |
|                                                                        | Iz A                                  |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | A                                   | Iz                                  |                                                                          |
|                                                                        | Cdt a lb v.d. %                       | Cdt tot. a lb total v.d. % |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | % a lb v.d. %                       | Cdt a lb                            |                                                                          |
|                                                                        | Zk mQ                                 | Zs mQ                      |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  | mQ Zs                               | Zk                                  |                                                                          |
|                                                                        | trifase/monof. 3/1-phase              | kA                         | fase/terro phase/earth                                                                   | kA |                                                                                         |  |                                                                                         |  |                                                                                         |  | kA phase/erde phase/terre           | kA single-phase mono-phase          |                                                                          |
|                                                                        |                                       |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  |                                     |                                     |                                                                          |
|                                                                        |                                       |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  |                                     |                                     |                                                                          |
|                                                                        |                                       |                            |                                                                                          |    |                                                                                         |  |                                                                                         |  |                                                                                         |  |                                     |                                     |                                                                          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00938()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00938()

TAFEL  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00938()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00938()

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DATA DATE

DATE DATUM

AGGIORNATO CHANGÉ  
UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

NR. DIS. PROJECT  
DRAW NR. BILD

DICHIARAZIONE N°  
DECLARATION NR.

DECLARATION NR.  
DER ANSAGEZETTEL

COMMESSA TRAVAIL  
PROJECT NR. PROJECT

1100

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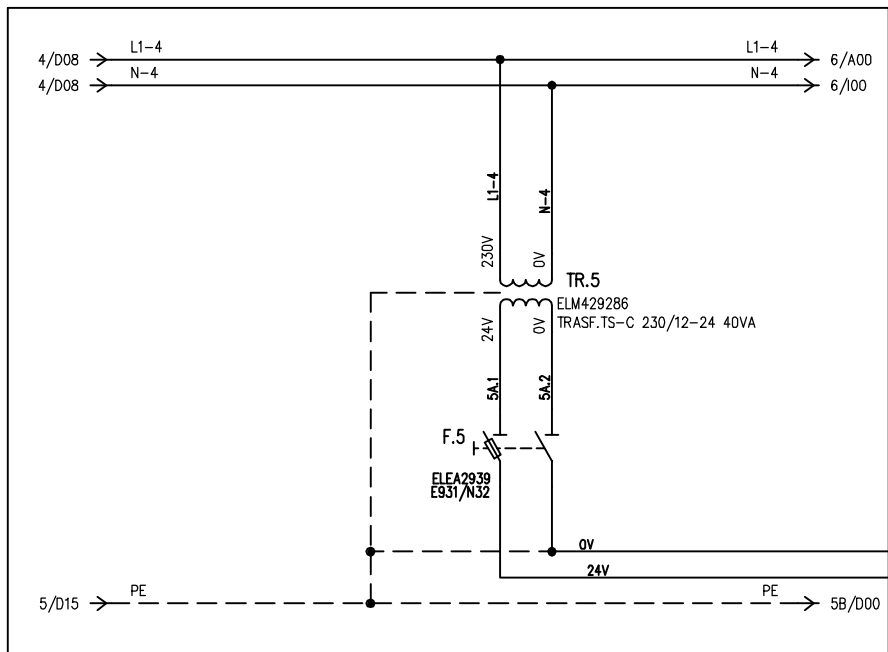
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TOT. FOLII  
TOTAL PAGES

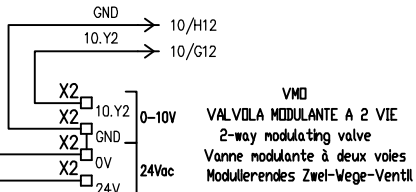
38

TOTAL FEUILLES  
BLATTIER GESAMT

A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |                   | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |  |  |  |  |  |  |    | nomenclature<br>betrieb art                       |                          |                                   | utilisateur                             |                          |          |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------|--|--|--|--|--|--|----|---------------------------------------------------|--------------------------|-----------------------------------|-----------------------------------------|--------------------------|----------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |                   |                                                                                    |  |  |  |  |  |  |    | kW                                                | macht<br>Insgesamt       | puissance<br>totale               | typ                                     | type                     |          |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |                   |                                                                                    |  |  |  |  |  |  |    | A                                                 | aufgenommene<br>Stromung | courant lb                        | kW                                      | aufgenommene<br>leistung |          |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |                   |                                                                                    |  |  |  |  |  |  |    |                                                   | COS φ                    | quoten der<br>zeitgleichzeitigen  | facteur de<br>contemporain              |                          |          |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |                   |                                                                                    |  |  |  |  |  |  |    | maschinenhersteller<br>constructeur               |                          |                                   | disjoncteur or<br>sectionneur           |                          |          |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |                   |                                                                                    |  |  |  |  |  |  |    | typ<br>type                                       |                          |                                   | type                                    |                          |          |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N               |                                                                                    |  |  |  |  |  |  | A  | In                                                | anzahl von<br>stangen    | nombre des<br>pôles               |                                         |                          |          |
|                                                                            | Ith                                    | A                         | Idn                     | A                                                                                       |                   |                                                                                    |  |  |  |  |  |  | A  | Idn                                               | A                        | Ith                               | leistungsschalter<br>oder trennschalter |                          |          |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                                   | kA                |                                                                                    |  |  |  |  |  |  | kA | abschaltleistung<br>pourvoir de<br>l'interruption | A (kurve) Im (courbe)    |                                   |                                         |                          |          |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |                   |                                                                                    |  |  |  |  |  |  |    | typ<br>type                                       |                          |                                   | fusible                                 |                          |          |
| CONTATTORE<br>contactor                                                    | CALIBRO                                | caliber A                 |                         | 2A gL                                                                                   |                   |                                                                                    |  |  |  |  |  |  |    | A kaliber<br>taille                               |                          |                                   | sicherung                               |                          |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |                   |                                                                                    |  |  |  |  |  |  |    | typ<br>type                                       |                          |                                   | contacteur                              |                          |          |
| RELE' TERMICO<br>relay thermal                                             | In                                     | A                         | Pn                      | kW                                                                                      |                   |                                                                                    |  |  |  |  |  |  | kW | Pn                                                | A                        | In                                | steuerschütz                            |                          |          |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |                   |                                                                                    |  |  |  |  |  |  |    | typ<br>type                                       |                          |                                   | relais thermique                        |                          |          |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TARATURA                               | calibration A             |                         |                                                                                         |                   |                                                                                    |  |  |  |  |  |  |    | A eichung<br>calibrage                            |                          |                                   | relais thermische                       |                          |          |
|                                                                            | TIPO CAVO                              | cable type                |                         |                                                                                         |                   |                                                                                    |  |  |  |  |  |  |    | linie art<br>type de câble                        |                          |                                   |                                         |                          |          |
|                                                                            | FORMAZIONE                             | section                   |                         |                                                                                         |                   |                                                                                    |  |  |  |  |  |  |    | abschnitt kabel<br>câble section                  |                          |                                   |                                         |                          |          |
|                                                                            | LUNGHEZZA                              | length m                  |                         |                                                                                         |                   |                                                                                    |  |  |  |  |  |  |    | m kable-länge<br>longueur                         |                          |                                   |                                         |                          |          |
|                                                                            | Iz                                     | A                         |                         |                                                                                         |                   |                                                                                    |  |  |  |  |  |  |    | A<br>Iz                                           |                          |                                   |                                         |                          |          |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d.        | %                                                                                  |  |  |  |  |  |  |    | %                                                 | shem<br>spannungsfaktor  | Cdt tot. a lb                     | %                                       | spannungsfaktor          | Cdt a lb |
|                                                                            | Zk                                     | mQ                        | Zs                      | mQ                                                                                      |                   |                                                                                    |  |  |  |  |  |  |    | mQ                                                | Zs                       | mQ                                | Zk                                      |                          |          |
|                                                                            | lk<br>trifase/monof.                   | lk<br>3/1-phase           | kA                      | lk<br>fase/terro                                                                        | lk<br>phase/earth | kA                                                                                 |  |  |  |  |  |  | kA | lk<br>phase/terre                                 | lk<br>phase/terre        | lk<br>3-drei-phase/<br>mono-phase | lk<br>trifase-phase/<br>mono-phase      |                          |          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00938()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00938()

TAFEL  
SCHALT

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00938()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00938()

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DATA  
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DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHRIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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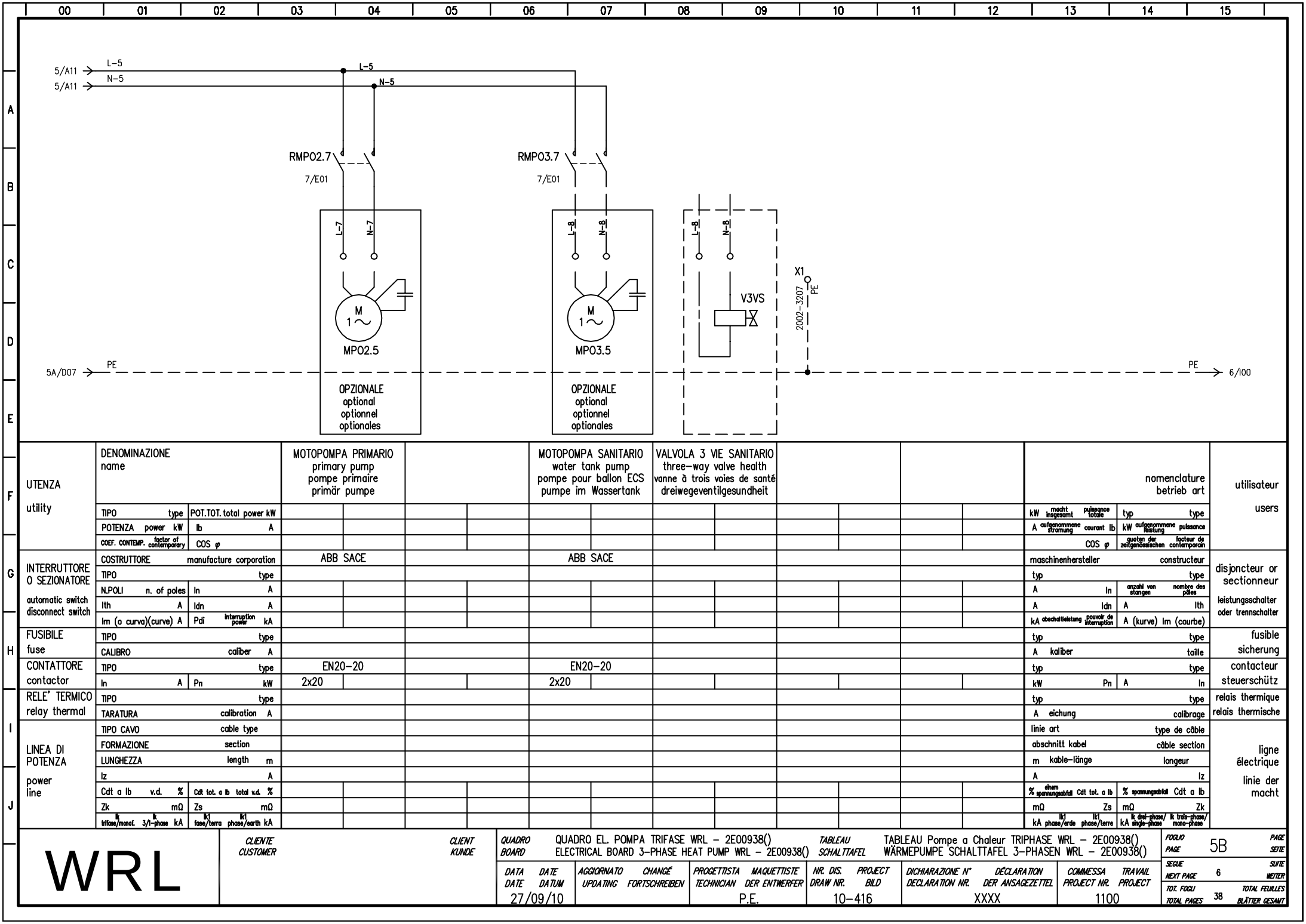
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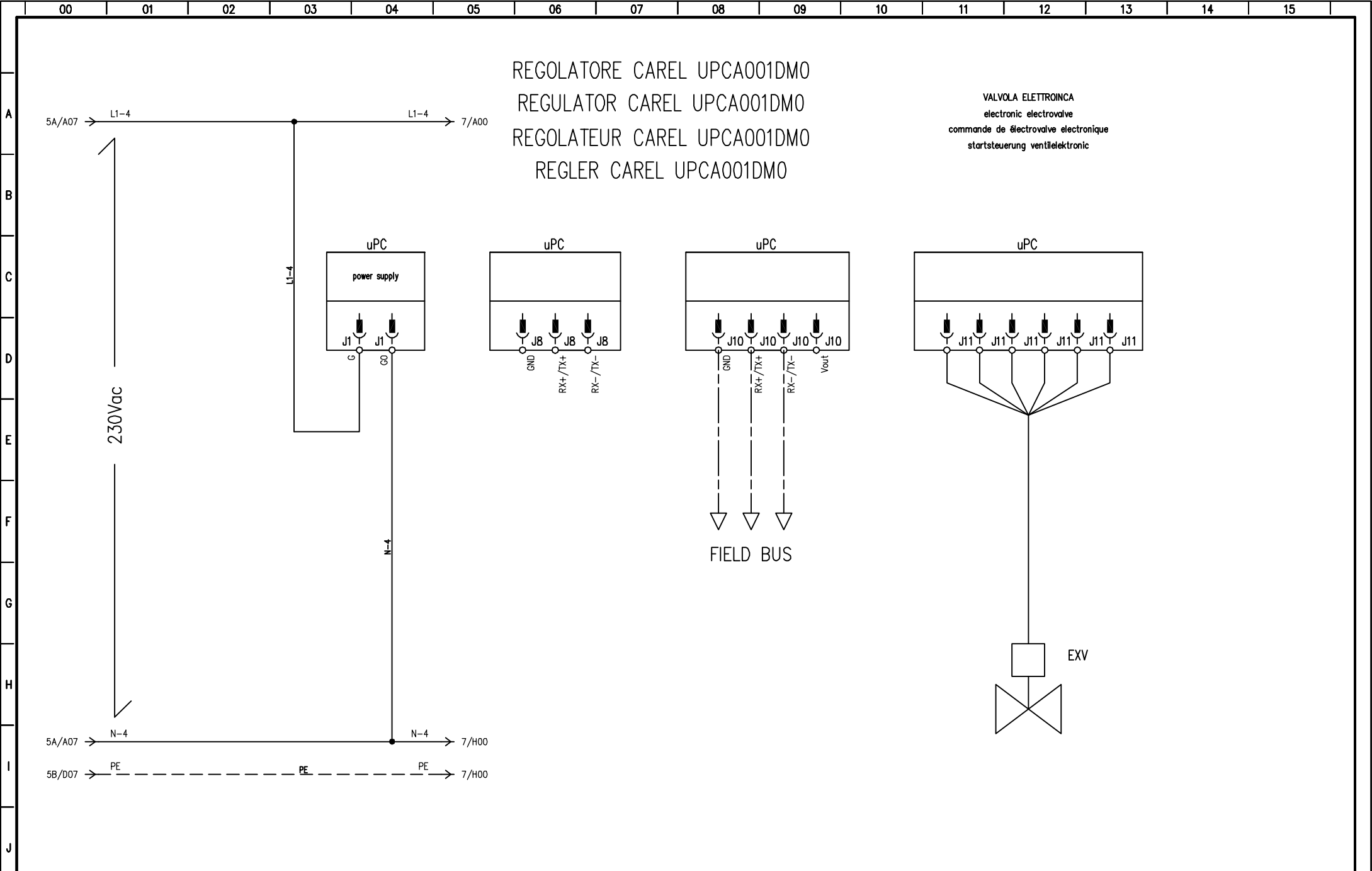
TOT. FOGLI  
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38

TOTAL FEUILLES  
BLATTIER GESAMT





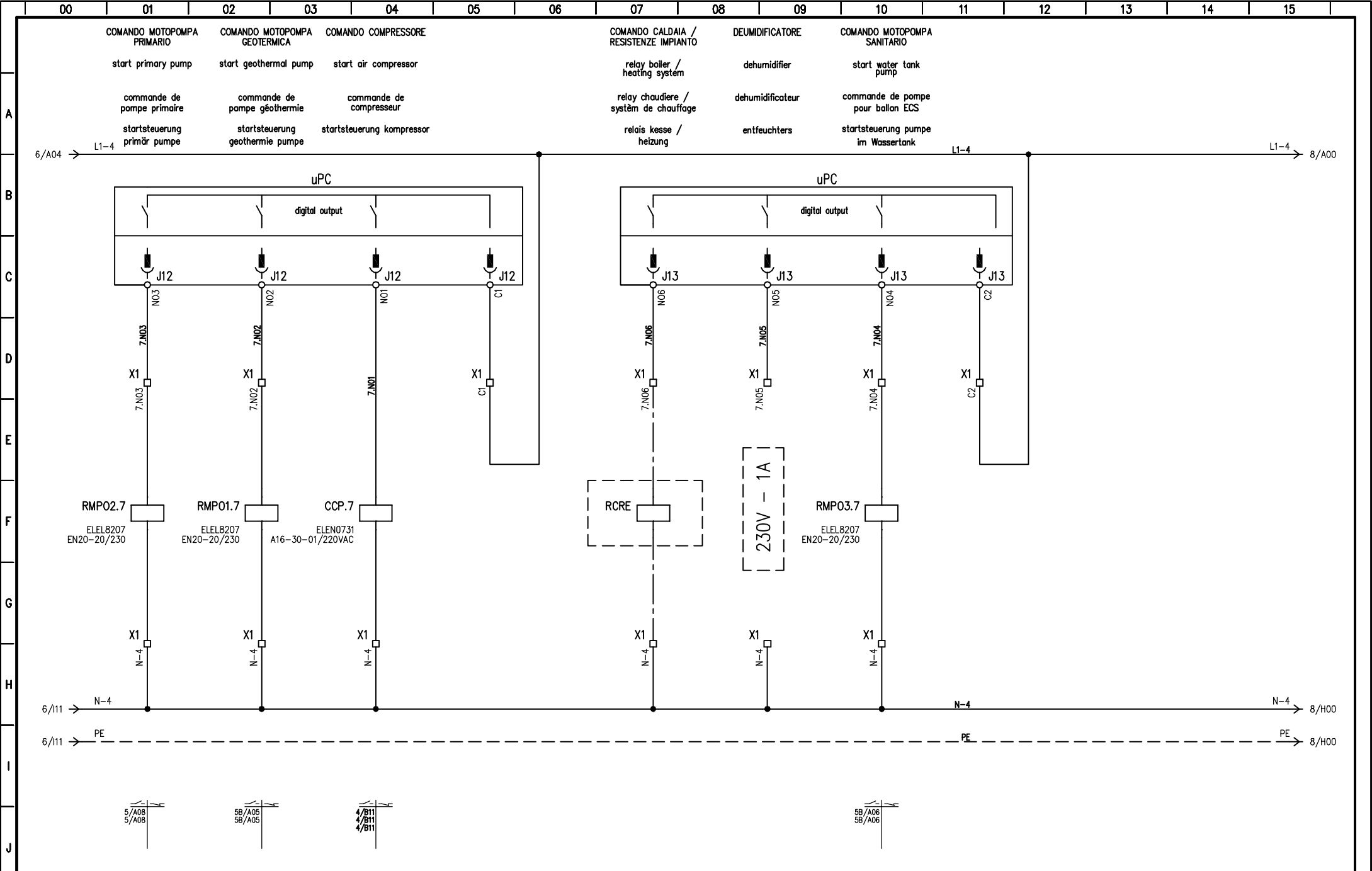


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |  |                 |  |                                                    |  |                                                  |  |             |  |               |  |          |  |         |  |                  |  |                  |  |             |  |                |  |
|---------------------|--|-----------------|--|----------------------------------------------------|--|--------------------------------------------------|--|-------------|--|---------------|--|----------|--|---------|--|------------------|--|------------------|--|-------------|--|----------------|--|
| CLIENTE<br>CUSTOMER |  | CLIENT<br>KUNDE |  | QUADRO EL. POMPA TRIFASE WRL – 2E00938()           |  | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00938() |  | Foglio      |  | 6             |  | PAGE     |  |         |  |                  |  |                  |  |             |  |                |  |
|                     |  |                 |  | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL – 2E00938() |  | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL – 2E00938()   |  | PAGE        |  | SEITE         |  |          |  |         |  |                  |  |                  |  |             |  |                |  |
| DATA                |  | DATE            |  | AGGIORNATO                                         |  | CHANGÉ                                           |  | PROGETTISTA |  | MAQUETTISTE   |  | NR. DIS. |  | PROJECT |  | DICHIARAZIONE N° |  | DÉCLARATION      |  | COMMESSA    |  | TRAVAIL        |  |
| DATE                |  | DATUM           |  | UPDATING                                           |  | FORTSCHREIBEN                                    |  | TECHNICIAN  |  | DER ENTWERFER |  | DRAW NR. |  | BILD    |  | DECLARATION NR.  |  | DER ANSAGEZETTEL |  | PROJECT NR. |  | PROJECT        |  |
| 27/09/10            |  |                 |  |                                                    |  |                                                  |  | P.E.        |  |               |  | 10-416   |  |         |  | XXXX             |  |                  |  | 1100        |  |                |  |
| TOT. FOGLI          |  |                 |  |                                                    |  |                                                  |  |             |  |               |  |          |  |         |  |                  |  |                  |  | TOTAL PAGES |  | 38             |  |
| TOTAL PAGES         |  |                 |  |                                                    |  |                                                  |  |             |  |               |  |          |  |         |  |                  |  |                  |  | TOTAL PAGES |  | BLÄTTER GESAMT |  |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00938()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00938()

TABEUAU  
SCHALTAFEL

TABEUAU Pompe a Chaleur TRIPHASE WRL - 2E00938()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00938()

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AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-416

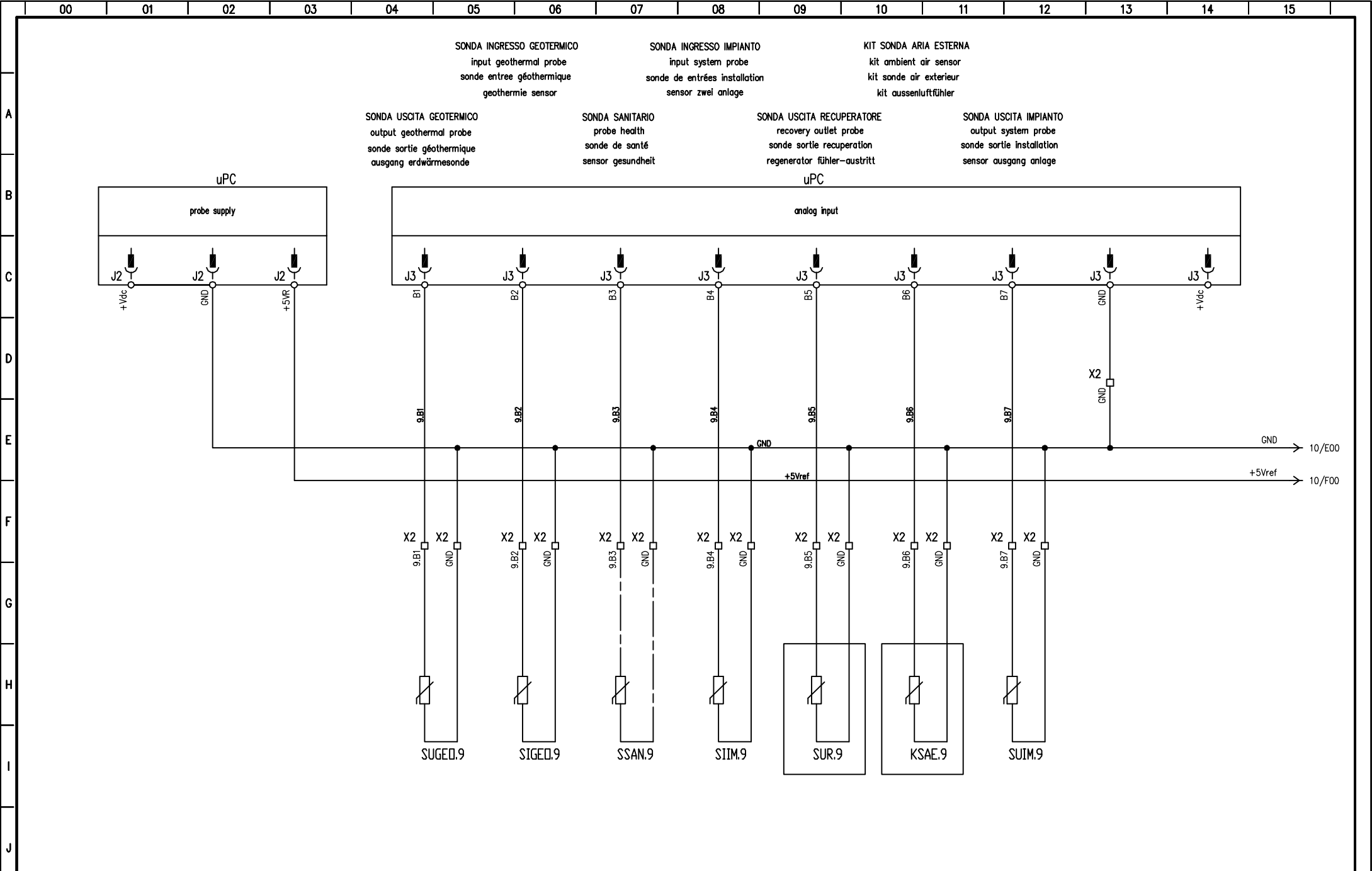
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DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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SUITE  
TOTAL FEUILLES  
BLATTIER GESAMT





WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00938()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00938()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00938()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00938()

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UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

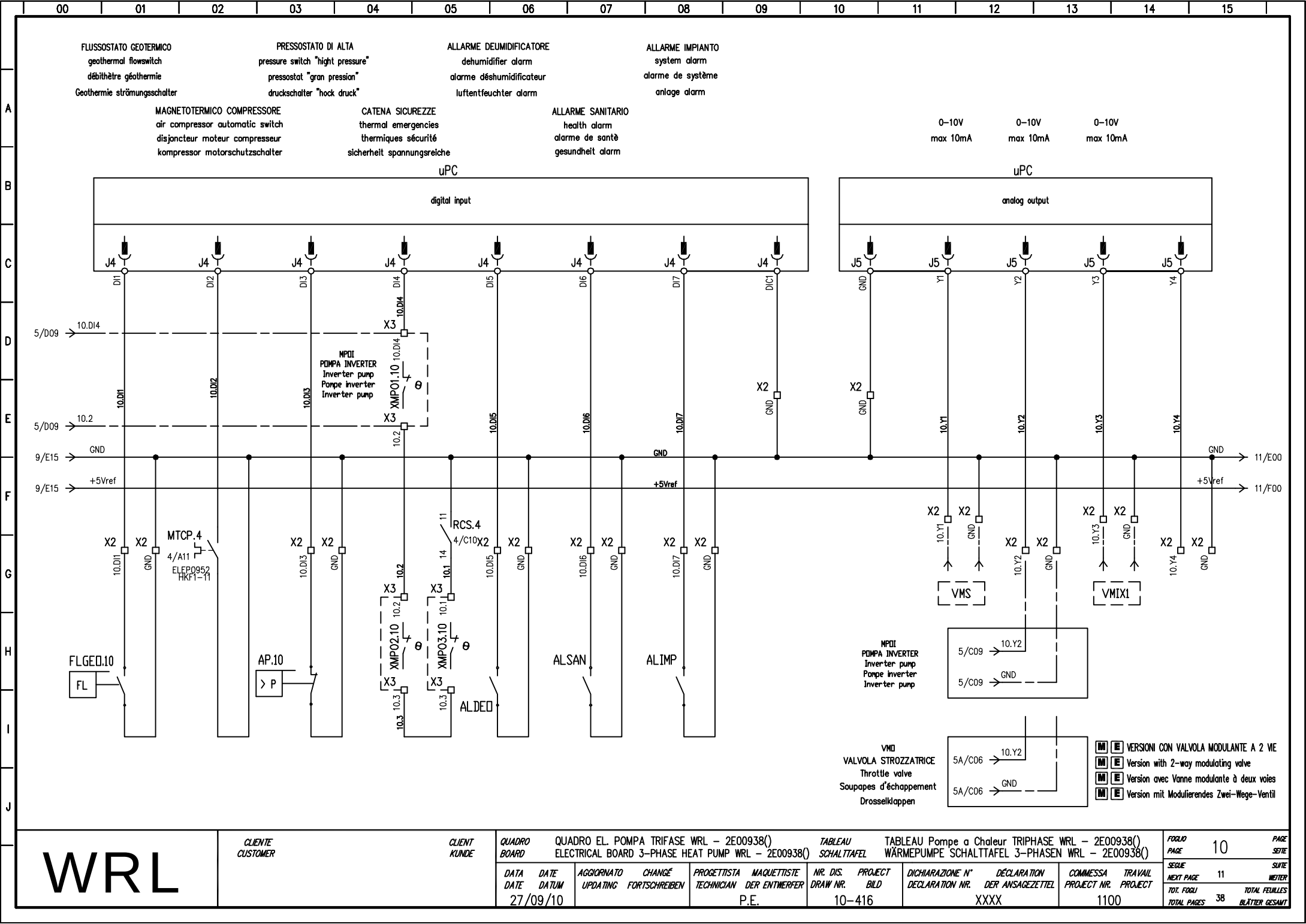
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DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
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COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
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SUITE  
METER  
TOT. FOGLI TOTAL FEUILLES  
38 BLATTIER GESAMT



|                                                       |            |           |                                |
|-------------------------------------------------------|------------|-----------|--------------------------------|
| <b>POMPA TRIFASE</b>                                  |            |           | <b>WRL070</b><br><b>WRL080</b> |
| <b>Quadro elettrico</b>                               | <b>REV</b> |           |                                |
| cod.                                                  | 2E00939    | 1         |                                |
| cod.                                                  | 2E00939A   | 1         | <b>A</b>                       |
| cod.                                                  | 2E00939M   | 1         | <b>M</b>                       |
| cod.                                                  | 2E00939E   | 1         | <b>E</b>                       |
|                                                       |            |           |                                |
| rif.                                                  | 2E00787B_2 | 2E00857_3 |                                |
| lotto                                                 | nr.: XXXX  |           |                                |
| VERS.                                                 |            |           |                                |
| SI SOFTSTARTER – NO MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |                                |

|                                                                                     |                                                                                  |                                                                                        |                                                                                         |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE                                            | <input type="checkbox"/> Standard Board                                          | <input type="checkbox"/> Tableau standard                                              | <input type="checkbox"/> serienmäßig schalttafel                                        |
| <input checked="" type="checkbox"/> <b>A</b> VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> <b>A</b> Version with Storage                | <input checked="" type="checkbox"/> <b>A</b> Version avec Stockage                     | <input checked="" type="checkbox"/> <b>A</b> Version mit Lagerung                       |
| <input checked="" type="checkbox"/> <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> <b>M</b> Version with 2-way modulating valve | <input checked="" type="checkbox"/> <b>M</b> Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> <b>E</b> A + M                                  | <input checked="" type="checkbox"/> <b>E</b> A + M                               | <input checked="" type="checkbox"/> <b>E</b> A + M                                     | <input checked="" type="checkbox"/> <b>E</b> A + M                                      |

|                        |                     |                      |           |
|------------------------|---------------------|----------------------|-----------|
| <b>WRL</b>             |                     |                      |           |
| Costruttore            | Manufacturer        | NORMA CEI EN 60335-1 |           |
| COD. ARTICOLO          | Article Code        | 2E009390_01 03/03/11 |           |
| ALIMENTAZIONE          | Power supply        | 3/N/PE - 50 Hz 400V  |           |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 Hz 50 |
| POMPA DI CALORE WRL070 | Heat Pump WRL070    | A Max                | 11,3      |
| POMPA DI CALORE WRL080 | Heat Pump WRL080    | A Max                | 12,6      |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x        |
| NOTE NR. LOTTO=        | Notes               | XXXX                 |           |

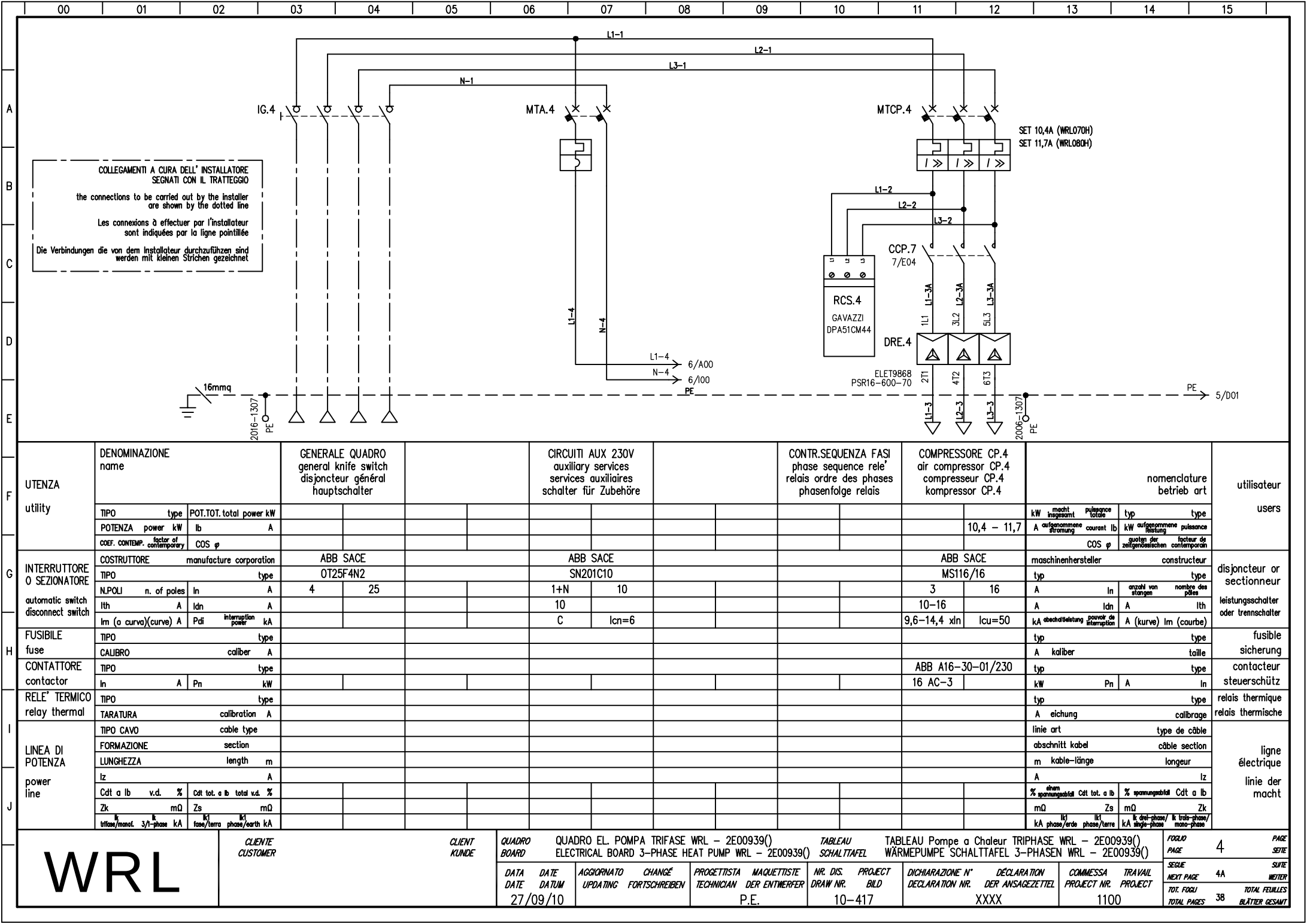
|                        |                     |                      |           |
|------------------------|---------------------|----------------------|-----------|
| <b>WRL</b>             |                     |                      |           |
| Constructeur           | Maschinenhersteller | NORMA CEI EN 60335-1 |           |
| Code Article           | Artikelcode         | 2E009390_01 03/03/11 |           |
| Alimentation           | Stromversorgung     | 3/N/PE - 50 Hz 400V  |           |
| Tension Nominale       | Nennspannung        | V                    | 400 Hz 50 |
| Pompe a Chaleur WRL070 | Wärmepumpe WRL070   | A Max                | 11,3      |
| Pompe a Chaleur WRL080 | Wärmepumpe WRL080   | A Max                | 12,6      |
| Degré de protection    | Schutzgrad          | IP                   | 2x        |
| Note                   | Anmerkungen:        | XXXX                 |           |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉES    |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMEN  | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|---------------------------------|
| <b>WRL</b>                                                                                                                                           |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD                 |
|                                                                                                                                                      |                 | 10-417                       |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                                                                                                                                                      |                 | 27/09/10                     |                                 |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00939                      | TABLEAU<br>SCHALTAFEL           |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT              |
|                                                                                                                                                      |                 | 1100                         |                                 |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER    |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION | DECLARATION<br>DER ANSAGEZETTEL |
|                                                                                                                                                      |                 | XXXX                         |                                 |

|   | 00                                                                                                                                                                                                                                                                                                                                                                                         | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|   | O/I<br>AE<br>AL<br>ALDEO<br>ALSAN<br>ALUMP<br>BL<br>CCP<br>CP<br>CMPO<br>RCRE<br>RCRES<br>DCP                                                                                                                                                                                                                                                                                              | INTERRUTTORE ACCESO/SPENTO<br>ALLARME ESTERNO<br>ALLARME<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>CONTATTORE COMPRESSORE<br>COMPRESSORE<br>CONTATTORE MOTOPOMPA<br>RELE' CALDAIA/RESISTENZA IMPIANTO<br>RELE' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE<br>DEUMIDIFICATORE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Switch On Off<br>remote alarm<br>alarm<br>alarm dehumidifier<br>health alert<br>boiler/heater alarm<br>compressor contactor<br>compressor<br>pump contactor<br>relay boiler / heating system<br>relay boiler / heating health<br>low ambient temperature device<br>dehumidifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudière/système de chauffage<br>relay chaudière de chauffage de santé<br>dispositif pour basse température<br>déhumidificateur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pumpe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank<br>Widerstände<br>winterregelung<br>entfeuchters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |    |    | AP<br>BP<br>FL<br>EXV<br>FLGEO<br>FLIMP<br>MAP<br>MBP<br>KSAE<br>SAC<br>SIIM<br>SGP<br>SIGEO<br>SIW<br>SIWH<br>SRIM<br>SSAN<br>SUGEO<br>SUIM<br>SUR<br>SUW<br>SUWH<br>SSM<br>TAP<br>TBP | PRESSOSTATO DI ALTA<br>PRESSOSTATO DI BASSA<br>FLUSSOSTATO<br>VALVOLA ELETTRONICA<br>FLUSSOSTATO GEOTERMICO<br>FLUSSOSTATO IMPIANTO<br>MORSETTIERA PRESSOSTATO DI ALTA<br>MORSETTIERA PRESSOSTATO DI BASSA<br>SONDA ARIA ESTERNA<br>SONDA ASPIRAZIONE COMPRESSORE<br>SONDA INGRESSO IMPIANTO<br>SONDA GAS PREMENTE<br>SONDA INGRESSO GEOTERMICO<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA RITORNO IMPIANTO<br>SONDA SANITARIO<br>SONDA USCITA GEOTERMICO<br>SONDA USCITA IMPIANTO<br>SONDA USCITA RECUPERATORE<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA VALVOLA MISCELATRICE<br>TRASDUTTORE ALTA PRESSIONE<br>TRASDUTTORE BASSA PRESSIONE | "high pressure" contral<br>pressure switch "low pressure"<br>flowswitch<br>electronic electrovalve<br>geothermal flowswitch<br>system flowswitch<br>pressure switch "high pressure" clamps<br>pressure switch "low pressure" clamps<br>ambient air probe<br>air compressor suction probe<br>input system probe<br>discharge pipe sensor<br>input geothermal probe<br>water inlet probe (NTC)<br>water inlet probe (NTC)<br>output system probe<br>probe health<br>output geothermal probe<br>output system probe<br>recovery outlet probe<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>mixing valve probe<br>high pressure trasducer<br>low pressure trasducer | pressostat "haut pression"<br>pressostat "basse pression"<br>fluxostat<br>commande de électrovalve électronique<br>débitmètre géothermie<br>débitmètre de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air extérieur<br>sonde d'aspiration de compresseur<br>sonde de entrées installation<br>sonde sur refolement<br>sonde entree géothermique<br>sonde entree eau (NTC)<br>sonde entree eau (NTC)<br>sonde de sorties installation<br>sonde de santé<br>sonde sortie géothermique<br>sonde sortie installation<br>sonde sortie recuperation<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde robinet mélange<br>transducteur haute pression<br>transducteur basse pression | hochdruckpressostat<br>druckschalter "niedrig druck"<br>strommesswaechter<br>startsteuerung ventilelektronic<br>Geothermie strömungsschalter<br>Anlage strömungsschalter<br>druckschalter "hock druck" klemmen<br>druckschalter "niedrig druck" klemmen<br>außenluftfühler<br>kompressor saugsonde<br>sensor zwei anlage<br>fühler-druckleitung<br>geothermie sensor<br>fühler-wassereintritt (NTC)<br>fühler-wassereintritt (NTC)<br>Ausgang Wärmetauscher sensor<br>probe gesundheit<br>ausgang erdwärmesonde<br>sensor ausgang anlage<br>regenerator fñhler-austritt<br>fühler-wasserstritt (NTC)<br>fühler-wasserstritt (NTC)<br>mischerventil probe<br>HD-drucktransmitter<br>ND-drucktransmitter |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudière/système de chauffage<br>relay chaudière de chauffage de santé<br>dispositif pour basse température<br>déhumidificateur<br>démarrateur<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase de power supply<br>clamps<br>bornes<br>marron<br>bornes de commande<br>pompe géothermie<br>pompe primaire<br>pompe pour ballon ECS<br>bornes de gouverneur coupe phase<br>bornes de signal<br>magneto-thermique services auxiliaires<br>magneto-thermique de pompe<br>magneto-thermique compresseur<br>magneto-thermique Chauffage<br>neutre de alimentation<br>noir<br>mise à la terre<br>pressostat différentiel<br>pressostat différentiel<br>relais pompe de zone 1<br>commande à distance<br>relais<br>Relais haute pression<br>résistance huile CP<br>relais de compresseur<br>relais sequenciel<br>résistance antigel<br>recouvrement antigel<br>relais de pompe<br>chauffage<br>relais de economizer<br>résistance de bassins<br>second set<br>thermiques sécurité<br>relais retard<br>thermostat de gaz de décharge<br>transformateur<br>transducteur pression<br>Thermostat mécanique<br>thermostat de résistance antigel<br>thermostat de sécurité chauffage<br>Thermostat economizer<br>thermistance ventilateur<br>vanne à trois voies freecooling<br>vanne à trois voies de santé<br>vanne inversion de cycle<br>électrovalve interception de liquide<br>Vanne modulante à deux voles<br>Modulation de la santé valve<br>Vanne de zone de melange 1<br>électrovalve injection de liquide<br>électrovalve economizer | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pumpe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank<br>Widerstände<br>winterregelung<br>entfeuchters<br>anlasser<br>Sicherung<br>Funkentstörung<br>Hauptschalter<br>phasen vom Stromversorgung<br>klemmen<br>braun<br>startsteuerung klemmen<br>Geothermie pumpe<br>primär pumpe<br>pumpe im Wassertank<br>klemmen der gouverneur cut-phase<br>signal klemmen<br>schalter für Zubehör<br>schalter für pumpe<br>motorschuttschalter kompressor<br>Heizvorrichtung schalter<br>neutral vom Stromversorgung<br>schwarz<br>erdungskontakt<br>druckdifferenzschalter<br>druckdifferenzschalter<br>relay pumpe in zone 1<br>remote panel<br>relais<br>hockdruckrelais<br>kubelwannenheizung<br>kompressor relais<br>relais phasenreihenfolge<br>einfrierverhütend Widerstände<br>antifreeze recovery<br>pumpe relais<br>heizvorrichtung<br>economizer relais<br>tropfschale Widerstände<br>zweite set<br>sicherheit spannungreiche<br>zeit relais<br>Druckgas Thermostat<br>Transformator<br>drucktransmitter<br>thermischer mechanische<br>einfrierverhütend Widerstände thermischer<br>sicherheit heizvorrichtung thermischer<br>thermischer economizer<br>thermistor gebläse<br>dreivegeventil freecooling<br>dreivegeventil gesundheit<br>umkehrventil<br>liquid abfangen magnetventil<br>Modulierendes Zwei-Wege-Ventil<br>RegelVentil gesundheit<br>nischer-Ventil zone 1<br>elektroventil injection vom flüssigen<br>elektroventil economizer |    |    |    |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  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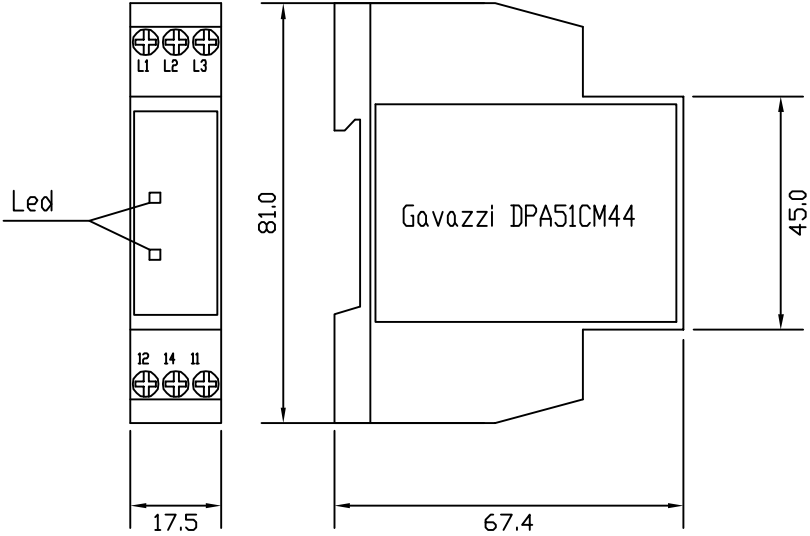






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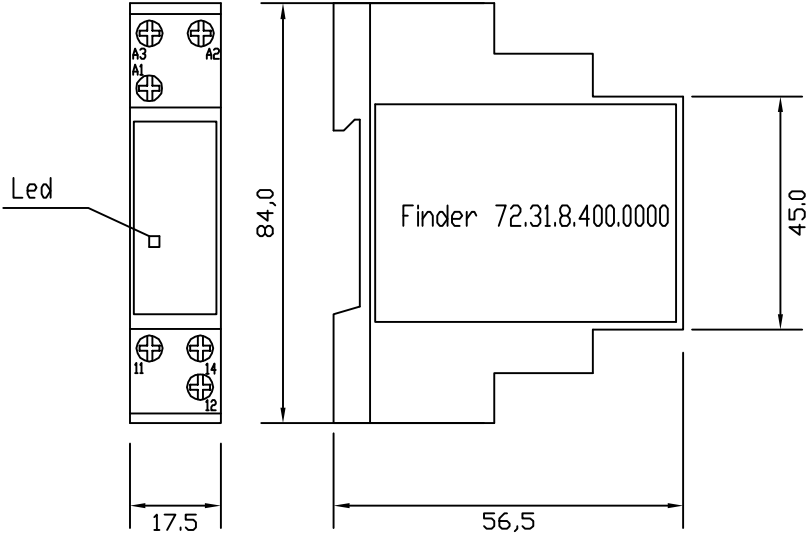
Gavazzi DPA51CM44  
L1 = L1  
L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

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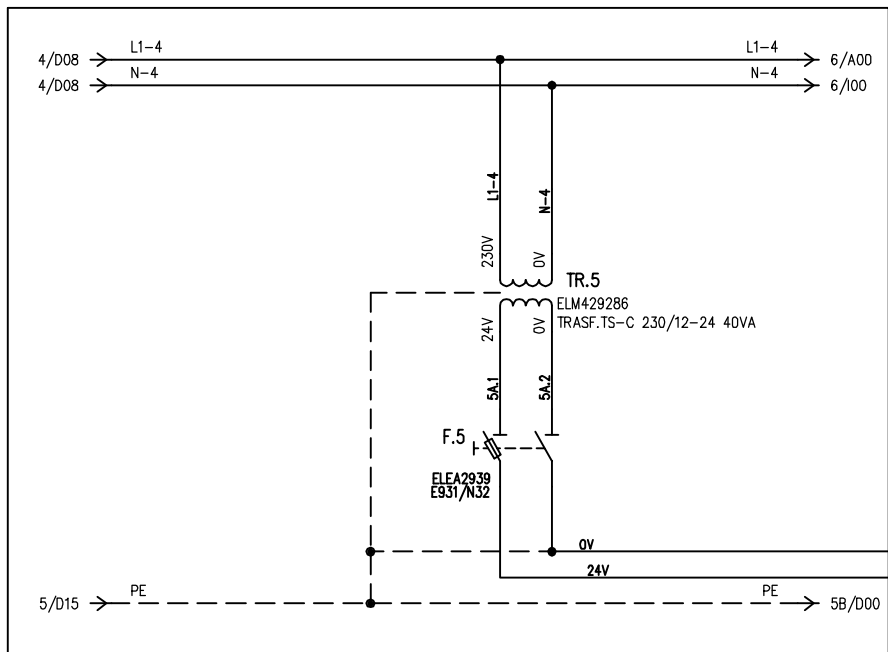
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A1 = L1  
A2 = L2  
A3 = L3  
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11 = com  
14 = N.Ø.  
12 = N.C.



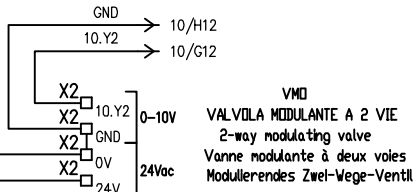
RCS.4  
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|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
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|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08                                               | 09      | 10               | 11               | 12          | 13      | 14          | 15             |                |
| A   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| B   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| C   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| D   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| E   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| F   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| G   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| H   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| I   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| J   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |                |                |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00939()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASe WRL - 2E00939() |         |                  |                  | FOGLIO      | 5       | PAGE        |                |                |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00939() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00939()   |         |                  |                  | NEXT PAGE   | 5A      | SUITE       |                |                |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.                                         | PROJECT | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL | TOT. FOGLI  | 38             | TOTAL FEUILLES |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.                                         | BILD    | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | TOTAL PAGES | BLÄTTER GESAMT |                |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-417                                           |         | XXXX             |                  | 1100        |         |             |                |                |

A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |                       | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |            |    |             |    |    |                |    | nomenclature<br>betrieb art         |                                                   | utilisateur                      |                                         |                                               |                 |          |                |    |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|-----------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------|------------|----|-------------|----|----|----------------|----|-------------------------------------|---------------------------------------------------|----------------------------------|-----------------------------------------|-----------------------------------------------|-----------------|----------|----------------|----|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                         |                       |                                                                                    |            |    |             |    |    |                |    | kW                                  | macht<br>Insgesamt                                | puissance<br>totale              | typ                                     | type                                          |                 |          |                |    |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                                       |                       |                                                                                    |            |    |             |    |    |                |    | A                                   | aufgenommene<br>Stromung                          | courant lb                       | kW                                      | aufgenommene<br>leistung                      |                 |          |                |    |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                         |                       |                                                                                    |            |    |             |    |    |                |    |                                     | COS φ                                             | quoten der<br>zeitgleichzeitigen | facteur de<br>contemporain              |                                               |                 |          |                |    |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                                |                       |                                                                                    |            |    |             |    |    |                |    | maschinenhersteller<br>constructeur |                                                   | disjoncteur or<br>sectionneur    |                                         |                                               |                 |          |                |    |
|                                                                            | TIPO                                   | type                      |                         | E931N                                                                                   |                       |                                                                                    |            |    |             |    |    |                |    | typ                                 |                                                   | type                             |                                         |                                               |                 |          |                |    |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                                       | 1+N                   |                                                                                    |            |    |             |    |    |                |    | A                                   | In                                                | anzahl von<br>stangen            | nombre des<br>pôles                     |                                               |                 |          |                |    |
|                                                                            | lth                                    | A                         | Idn                     | A                                                                                       |                       |                                                                                    |            |    |             |    |    |                |    | A                                   | Idn                                               | A                                | lth                                     |                                               |                 |          |                |    |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve) A                  |                           |                         | Pdi                                                                                     | interruption<br>power | kA                                                                                 |            |    |             |    |    |                | kA |                                     | abschaltleistung<br>pourvoir de<br>l'interruption | A (kurve) Im (courbe)            | leistungsschalter<br>oder trennschalter |                                               |                 |          |                |    |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |                       |                                                                                    |            |    |             |    |    |                |    | typ                                 |                                                   | type                             |                                         |                                               |                 |          |                |    |
|                                                                            | CALIBRO                                | caliber                   |                         | 2A gL                                                                                   |                       |                                                                                    |            |    |             |    |    |                |    | A                                   |                                                   | kaliber                          |                                         | taille                                        |                 |          |                |    |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |                       |                                                                                    |            |    |             |    |    |                |    | typ                                 |                                                   | type                             |                                         |                                               |                 |          |                |    |
| CONTATTORE<br>contactor                                                    | In                                     | A                         | Pn                      | kW                                                                                      |                       |                                                                                    |            |    |             |    |    |                |    | kW                                  | Pn                                                | A                                | In                                      | contacteur<br>steuerschutz                    |                 |          |                |    |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |                       |                                                                                    |            |    |             |    |    |                |    | typ                                 |                                                   | type                             |                                         |                                               |                 |          |                |    |
|                                                                            | TARATURA                               | calibration               |                         | A                                                                                       |                       |                                                                                    |            |    |             |    |    |                |    | A                                   |                                                   | eichung                          |                                         | calibrage                                     |                 |          |                |    |
|                                                                            | TIPO CAVO                              | cable type                |                         |                                                                                         |                       |                                                                                    |            |    |             |    |    |                |    |                                     |                                                   | linie art                        |                                         | type de câble                                 |                 |          |                |    |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | FORMAZIONE                             |                           |                         | section                                                                                 |                       |                                                                                    |            |    |             |    |    |                |    | abschnitt kabel                     |                                                   | câble section                    |                                         | ligne<br>électrique<br><br>linie der<br>macht |                 |          |                |    |
|                                                                            | LUNGHEZZA                              |                           |                         | length                                                                                  |                       | m                                                                                  |            |    |             |    |    |                |    | m                                   |                                                   | kable-länge                      |                                         |                                               | longueur        |          |                |    |
|                                                                            | Iz                                     |                           |                         | A                                                                                       |                       |                                                                                    |            |    |             |    |    |                |    | A                                   |                                                   | Iz                               |                                         |                                               |                 |          |                |    |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                           | total v.d.            | %                                                                                  |            |    |             |    |    |                |    | %                                   | spannungsfaktor                                   | Cdt tot. a lb                    | %                                       |                                               | spannungsfaktor | Cdt a lb |                |    |
|                                                                            | Zk                                     | mQ                        | Zs                      | mQ                                                                                      |                       |                                                                                    |            |    |             |    |    |                |    |                                     | mQ                                                | Zs                               | mQ                                      |                                               | Zk              |          |                |    |
|                                                                            | Ik                                     | trifase/monof.            | Ik                      | 3/1-phase                                                                               | kA                    | Ik                                                                                 | fase/terra | Ik | phase/earth | kA | Ik | 3-fase/1-phase | kA | Ik                                  | trifase/monof.                                    | Ik                               | 3-fase/1-phase                          |                                               | kA              | Ik       | trifase/monof. | Ik |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00939()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00939()

TAFEL  
SCHALT

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00939()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00939()

FOGLIO  
PAGE

5A

PAGE  
SEITE

DATA  
DATE

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHRIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

1100

SEQUE  
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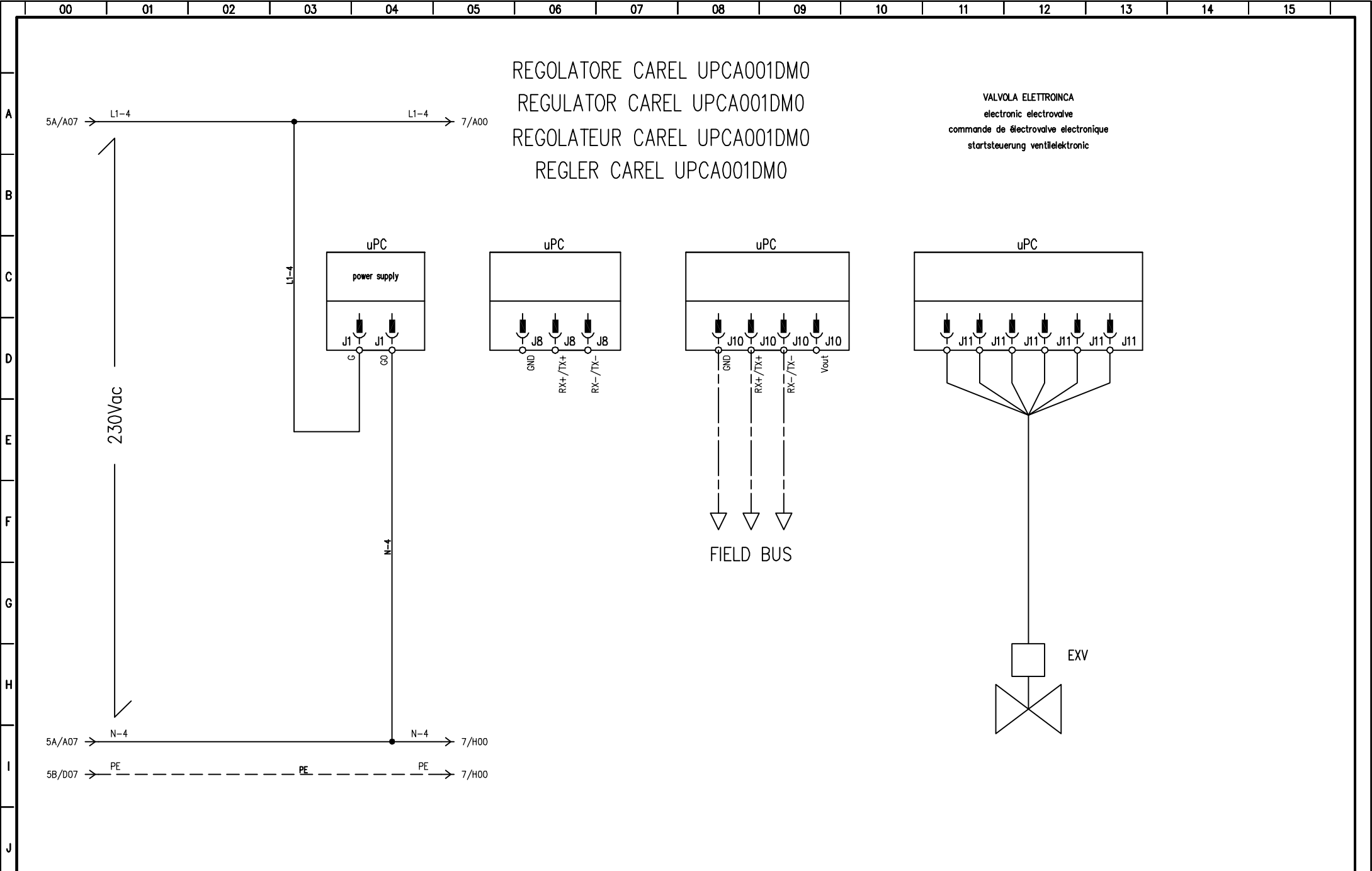
5B

TOT. FOGLI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT

|     |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
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|     | 00                  | 01              | 02                                                                                             | 03            | 04                     | 05                      | 06                        | 07                           | 08                   | 09              | 10                                                                                                 | 11                              | 12                      | 13                 | 14                        | 15 |                                  |               |
| A   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| B   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| C   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| D   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| E   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| F   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| G   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| H   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| I   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| J   |                     |                 |                                                                                                |               |                        |                         |                           |                              |                      |                 |                                                                                                    |                                 |                         |                    |                           |    |                                  |               |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO EL. POMPA TRIFASE WRL – 2E00939()<br>ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00939() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00939()<br>WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00939() |                                 |                         |                    | FOLIO<br>PAGE             |    | 5B                               | PAGE<br>SEITE |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGE<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN | MAQUETTISTE<br>DER ENTWERFER | NR. DIS.<br>DRAW NR. | PROJECT<br>BILD | DICHIARAZIONE N°<br>DECLARATION NR.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SEQUE<br>NEXT PAGE        | 6  | SUITE<br>MEIERN                  |               |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10–417               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 38 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |

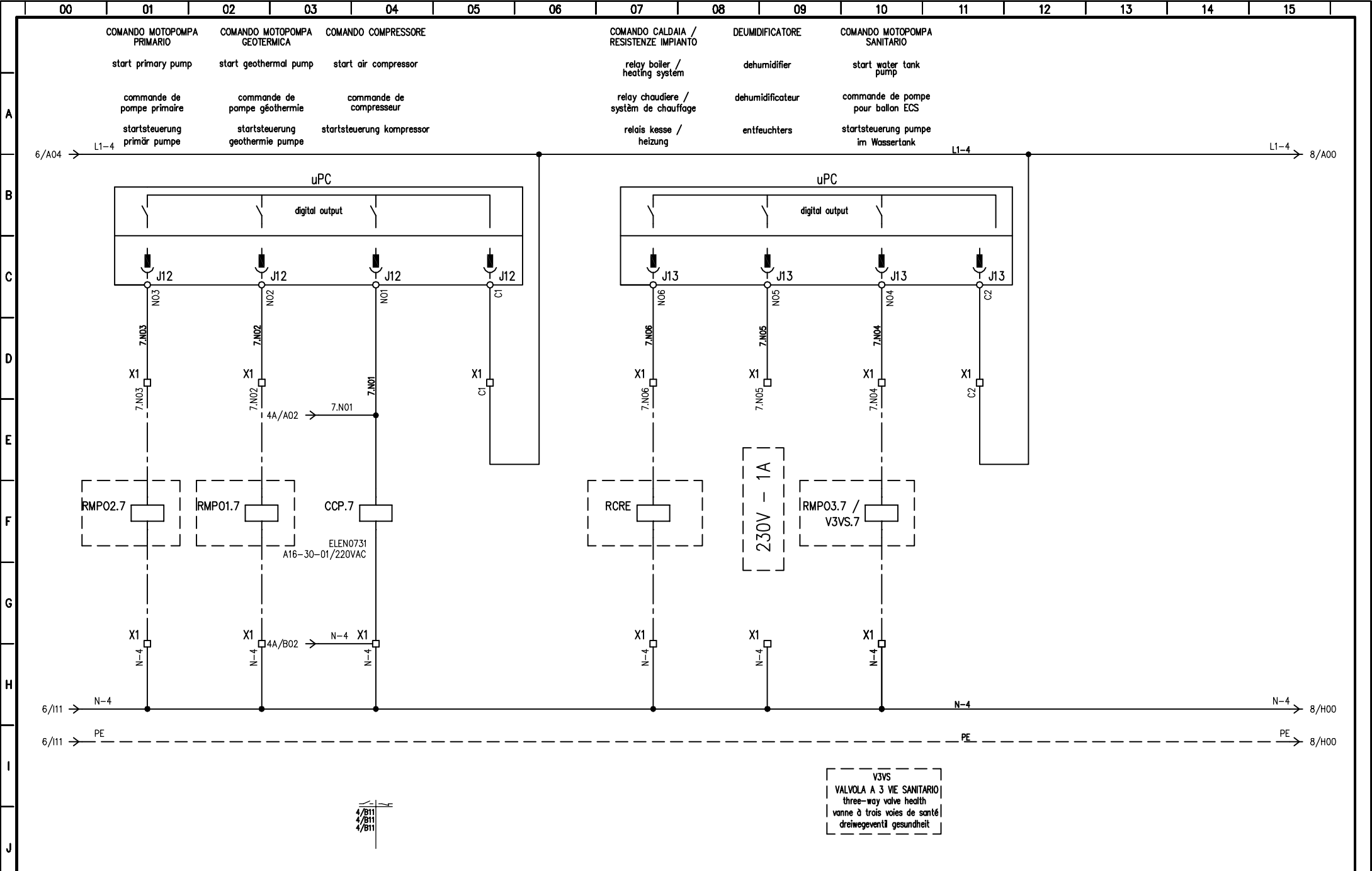


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |  |                 |  |            |  |                                                    |  |             |  |                                                  |  |             |  |                |  |
|---------------------|--|-----------------|--|------------|--|----------------------------------------------------|--|-------------|--|--------------------------------------------------|--|-------------|--|----------------|--|
| CLIENTE<br>CUSTOMER |  | CLIENT<br>KUNDE |  | QUADRO     |  | QUADRO EL. POMPA TRIFASE WRL – 2E00939()           |  | TABLEAU     |  | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00939() |  | Foglio      |  | PAGE           |  |
|                     |  |                 |  | BOARD      |  | ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00939() |  | SCHALTAFEL  |  | WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00939()   |  | 6           |  | SEITE          |  |
| DATA                |  | DATE            |  | AGGIORNATO |  | CHANGÉ                                             |  | PROGETTISTA |  | MAQUETTISTE                                      |  | NR. DIS.    |  | PROJECT        |  |
| DATE                |  | DATUM           |  | UPDATING   |  | FORTSCHREIBEN                                      |  | TECHNICIAN  |  | DER ENTWERFER                                    |  | DRAW NR.    |  | BILD           |  |
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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00939()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00939()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00939()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00939()

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AGGIORNATO  
UPDATING

PROGETTISTA  
TECHNICIAN P.E.

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR. 10-417

PROGETT  
BILD

DICHIARAZIONE N°  
DECLARATION NR. XXXX

COMMESSA  
PROJECT NR. 1100

TRAVAIL  
PROJECT

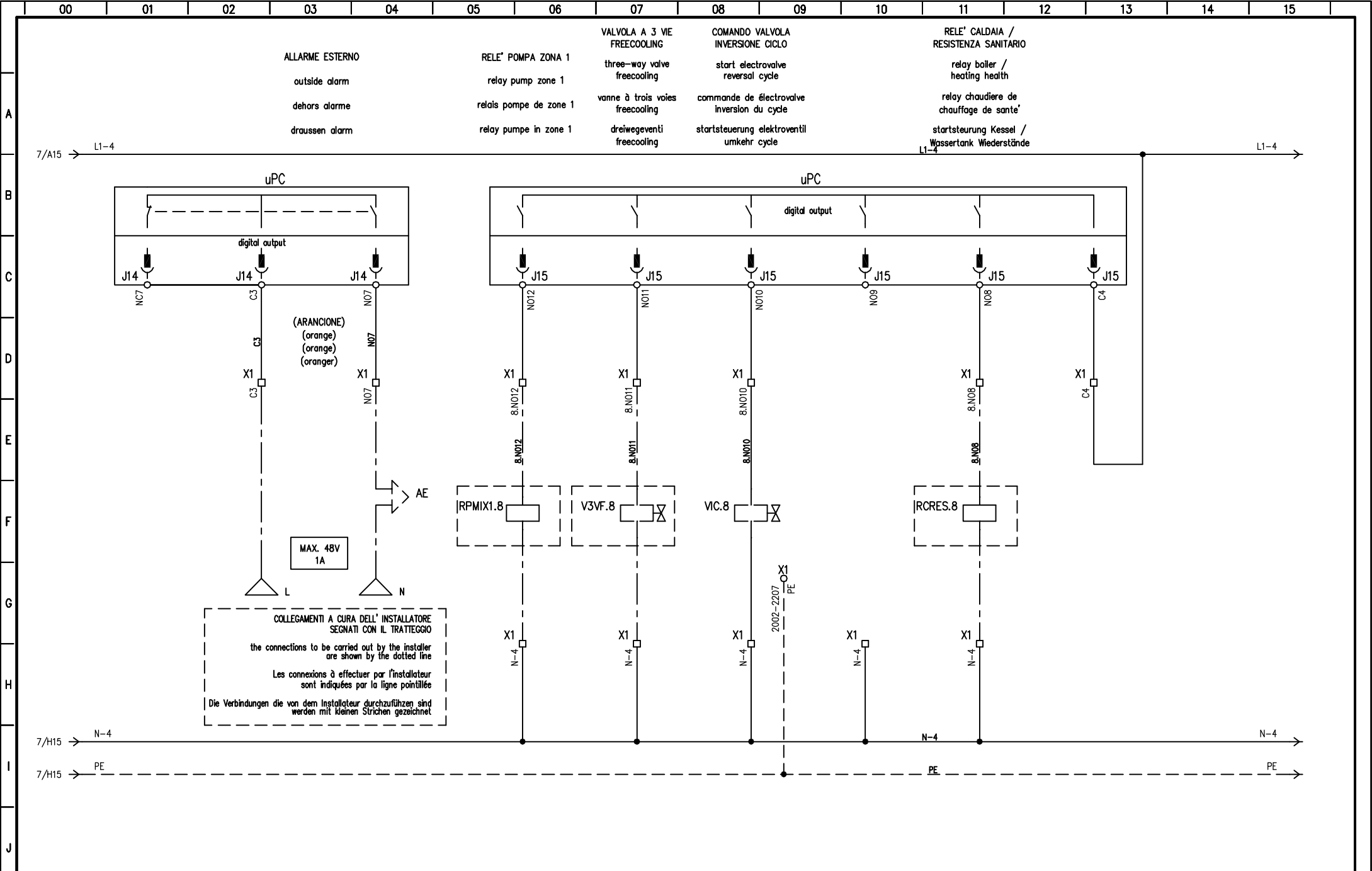
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METER

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TOTAL FEUILLES  
BLATTIER GESAMT





WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00939()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00939()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00939()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00939()

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CHANGÉ  
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PROGETTISTA  
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MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

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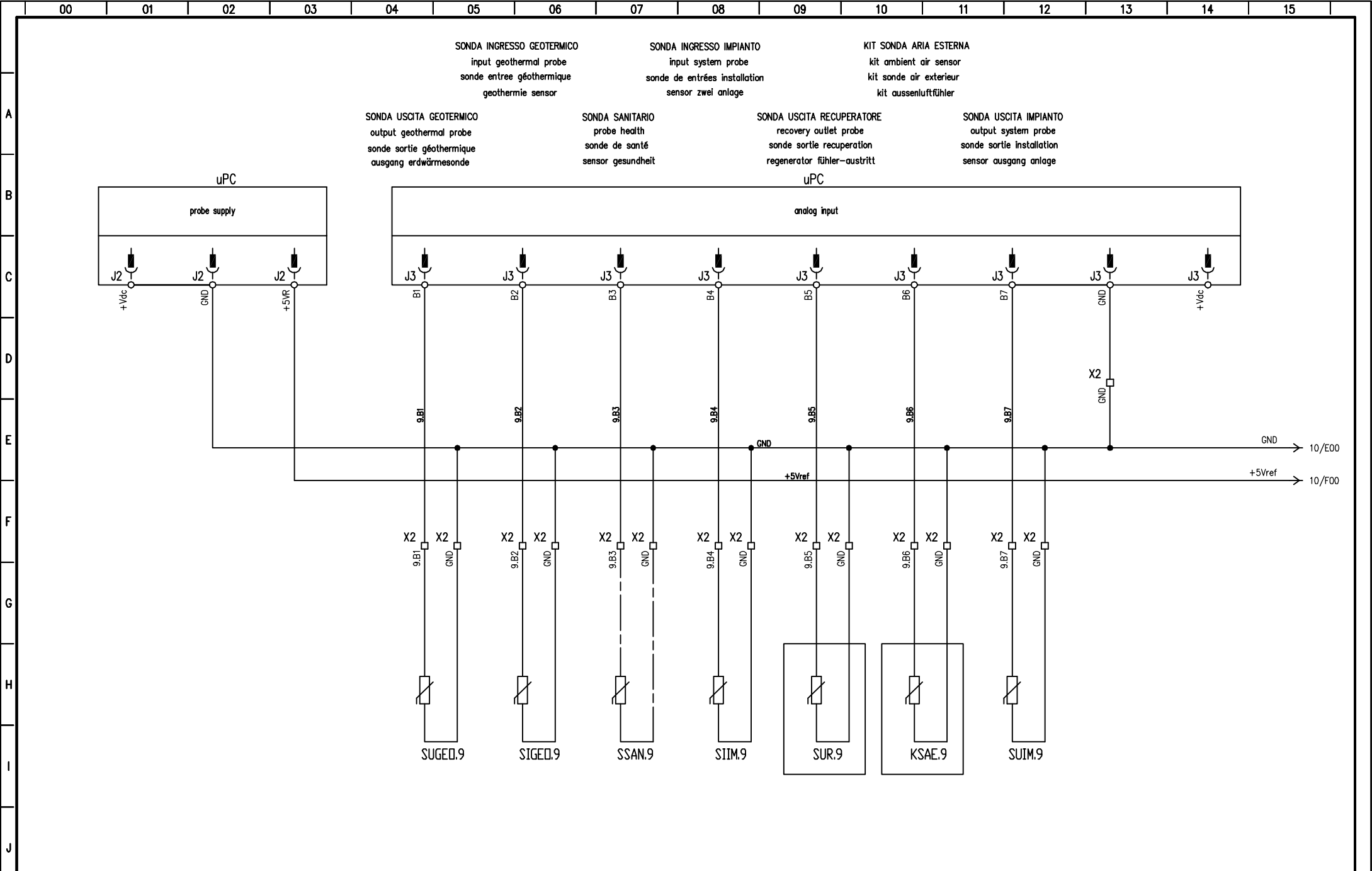
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SUITE  
METER

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TOTAL PAGES

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BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00939()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00939()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00939()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00939()

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AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
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TECHNICIAN DER ENTWERFER

NR. DIS. PROJECT  
DRAW NR. BILD  
10-417

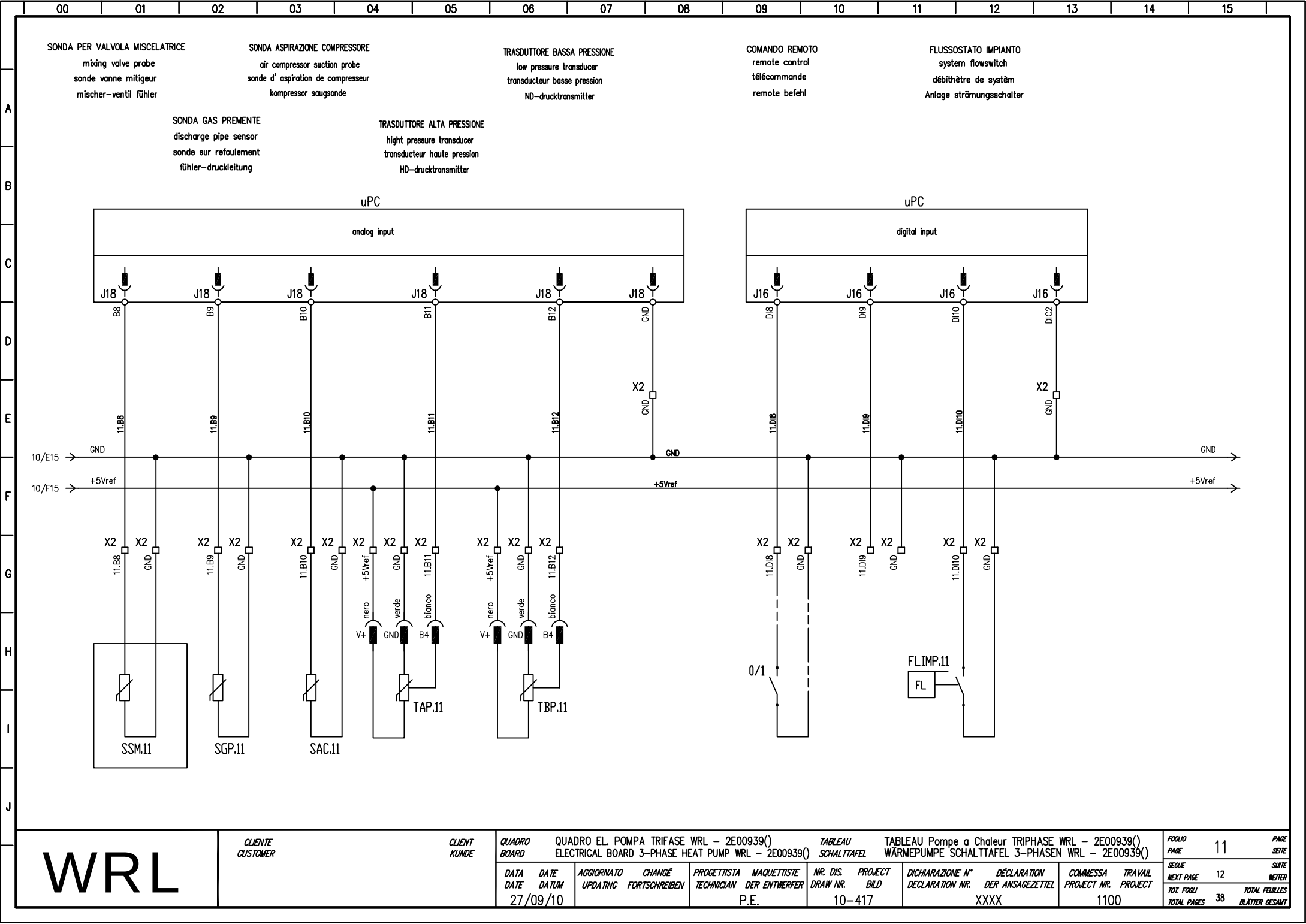
DICHIARAZIONE N°  
DECLARATION NR.  
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COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT

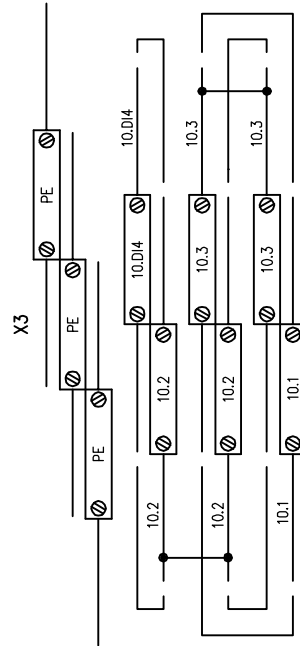
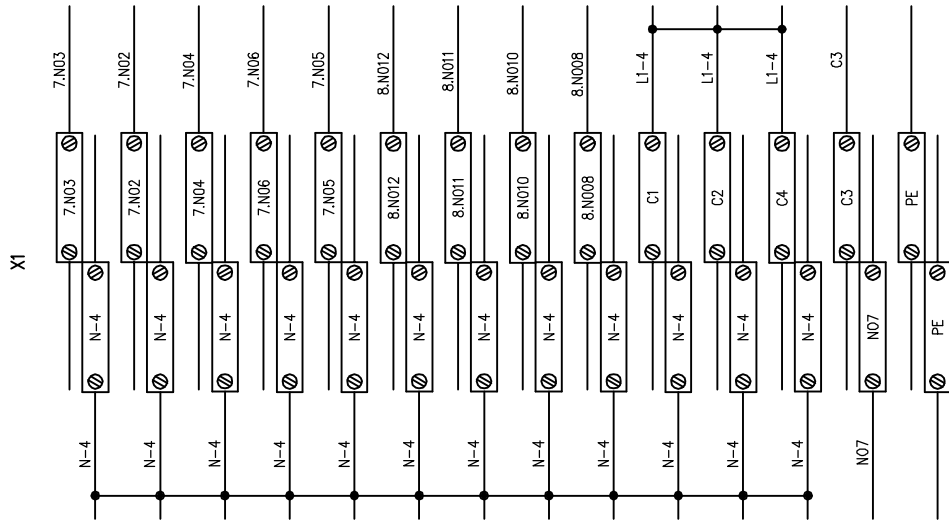




A  
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MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

MORSETTO TRIPLO G/V 2,5mmq MOLLA PE WAGO 2002-3207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00939()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00939()

TABE  
SCHALT

TABE  
WÄRM

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AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
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DER ANSAGEZETTEL

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SUITE  
METER

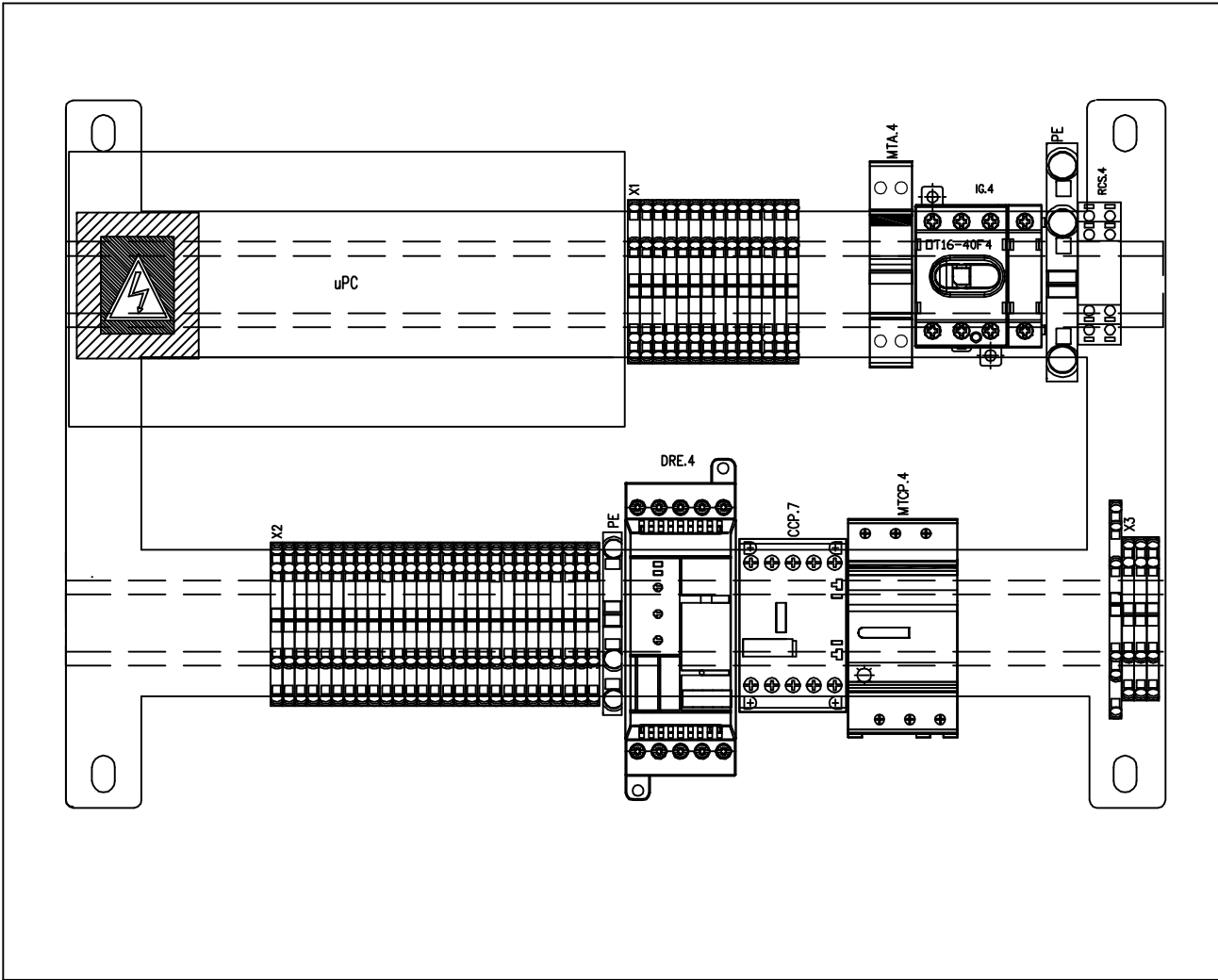
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TOTAL PAGES

38

TOTAL FEUILLES  
BLATTIER GESAMT



VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                                                            | TECHNICAL DATA BOX                                                                                                           |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /                                   | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                               |
| DIMENSIONI                                                                                                                          | DIMENSION                                                                                                                    |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                                                  | height: 350<br>Width: 500<br>Deep: 160                                                                                       |
| NOTE                                                                                                                                | NOTES                                                                                                                        |
| DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSION                                                                                                                           | ABMESSUNGEN                                                                                                                  |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                                     | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                                        |
| NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

☐ QUADRO DI SERIE

☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel

Technical drawing of a control cabinet layout showing the arrangement of components and their interconnections. The components are labeled as follows:

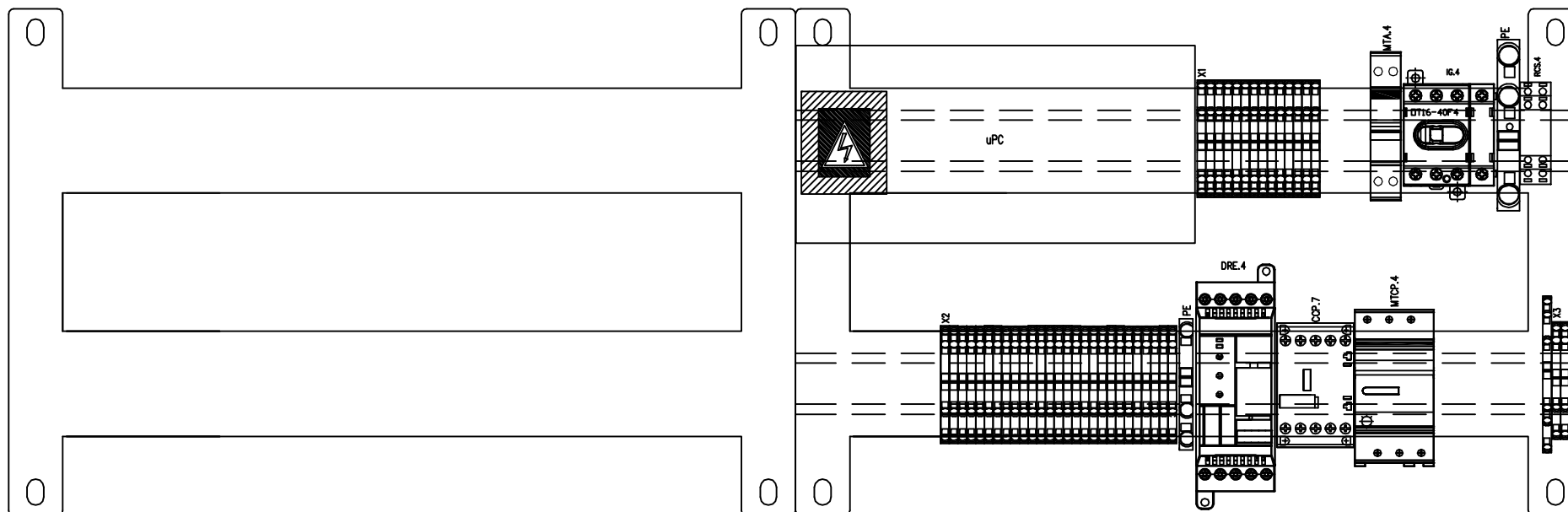
- TR.5**: Terminal block on the left.
- uPC**: Main control unit in the center.
- X1**: Terminal block on the right side.
- X2**: Terminal block on the left side.
- DRE.4**: Relay or switch assembly below the main unit.
- CCP.7**: Control panel or switch assembly below the main unit.
- MTCP.4**: Motor control unit below the main unit.
- MTA.4**: Motor terminal assembly on the right.
- IG.4**: Input/output terminal assembly on the right.
- IC1**, **IC2**, **IC3**, **IC4**: Interlocking or control modules on the right.
- RES.4**: Resistor or fuse assembly on the right.
- F.5**: Fuse assembly on the right.
- PE**: Protective earth connection points.

The diagram illustrates the physical layout and electrical connections between these components, including terminal blocks and wiring paths.

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version avec Vanne modulante à deux voies  |
| <b>M</b> Version with 2-way modulating valve    | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |



VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



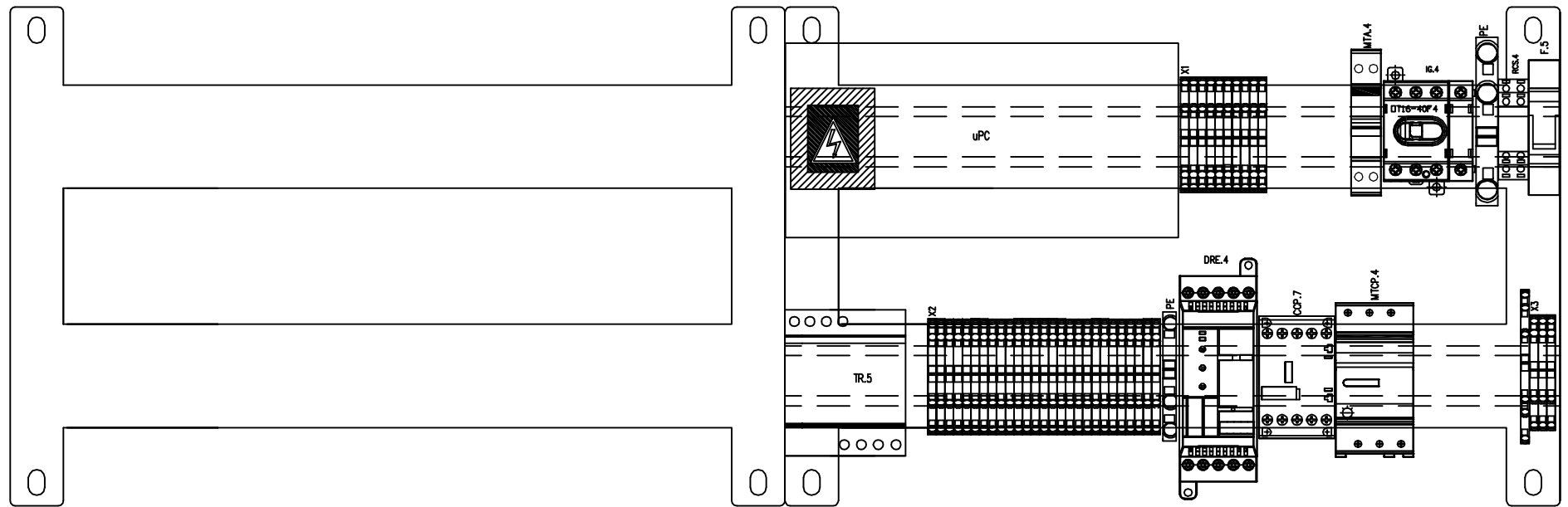
# WRL

|             |     |                |
|-------------|-----|----------------|
| SEQUE       |     | SUITE          |
| NEXT PAGE   | 14C | WEITER         |
| TOT. FOGLI  |     | TOTAL FEUILLES |
| TOTAL PAGES | 38  | BLÄTTER GESAMT |

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J

|                                                                                                                               |                                                                                                                      |                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA<br>Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNICAL DATA BOX<br>Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSIONI<br>Altezza: 350<br>Larghezza: 1040<br>Profondità: 160                                                              | DIMENSION<br>height: 350<br>Width: 1040<br>Deep: 160                                                                 | DIMENSION<br>Hauteur: 350<br>Largeur: 1040<br>Profondeur: 160                                                                       | ABMESSUNGEN<br>Höhe: 350<br>länge: 1040<br>Tiefe: 160                                                                        |
| NOTE                                                                                                                          | NOTES                                                                                                                | NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



☒ VERSIONE CON ACCUMULO + VALVOLA MODULANTE A 2 VIE  
☒ Version with Storage + 2-way modulating valve

☒ Version avec Stockage + Vanne modulante à deux voies  
☒ Version mit Lagerung + Modulierendes Zwei-Wege-Ventil



|                                                       |            |           |                  |
|-------------------------------------------------------|------------|-----------|------------------|
| POMPA TRIFASE                                         |            |           | WRL070<br>WRL080 |
| Quadro elettrico                                      |            | REV       |                  |
| cod.                                                  | 2E00940    | 1         |                  |
| cod.                                                  | 2E00940A   | 1         | A                |
| cod.                                                  | 2E00940M   | 1         | M                |
| cod.                                                  | 2E00940E   | 1         | E                |
|                                                       |            |           |                  |
| rif.                                                  | 2E00787C_2 | 2E00857_3 |                  |
| lotto                                                 | nr.: XXXX  |           |                  |
| VERS.                                                 |            |           |                  |
| NO SOFTSTARTER – NO MOTOPOMPE – X=VALVOLA ELETTRONICA |            |           |                  |

|                                                                              |                                                                           |                                                                                 |                                                                                  |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> QUADRO DI SERIE                                     | <input type="checkbox"/> Standard Board                                   | <input type="checkbox"/> Tableau standard                                       | <input type="checkbox"/> serienmäßig schalttafel                                 |
| <input checked="" type="checkbox"/> A VERSIONE CON ACCUMULO                  | <input checked="" type="checkbox"/> A Version with Storage                | <input checked="" type="checkbox"/> A Version avec Stockage                     | <input checked="" type="checkbox"/> A Version mit Lagerung                       |
| <input checked="" type="checkbox"/> M VERSIONE CON VALVOLA MODULANTE A 2 VIE | <input checked="" type="checkbox"/> M Version with 2-way modulating valve | <input checked="" type="checkbox"/> M Version avec Vanne modulante à deux voies | <input checked="" type="checkbox"/> M Version mit Modulierendes Zwei-Wege-Ventil |
| <input checked="" type="checkbox"/> E A + M                                  | <input checked="" type="checkbox"/> E A + M                               | <input checked="" type="checkbox"/> E A + M                                     | <input checked="" type="checkbox"/> E A + M                                      |

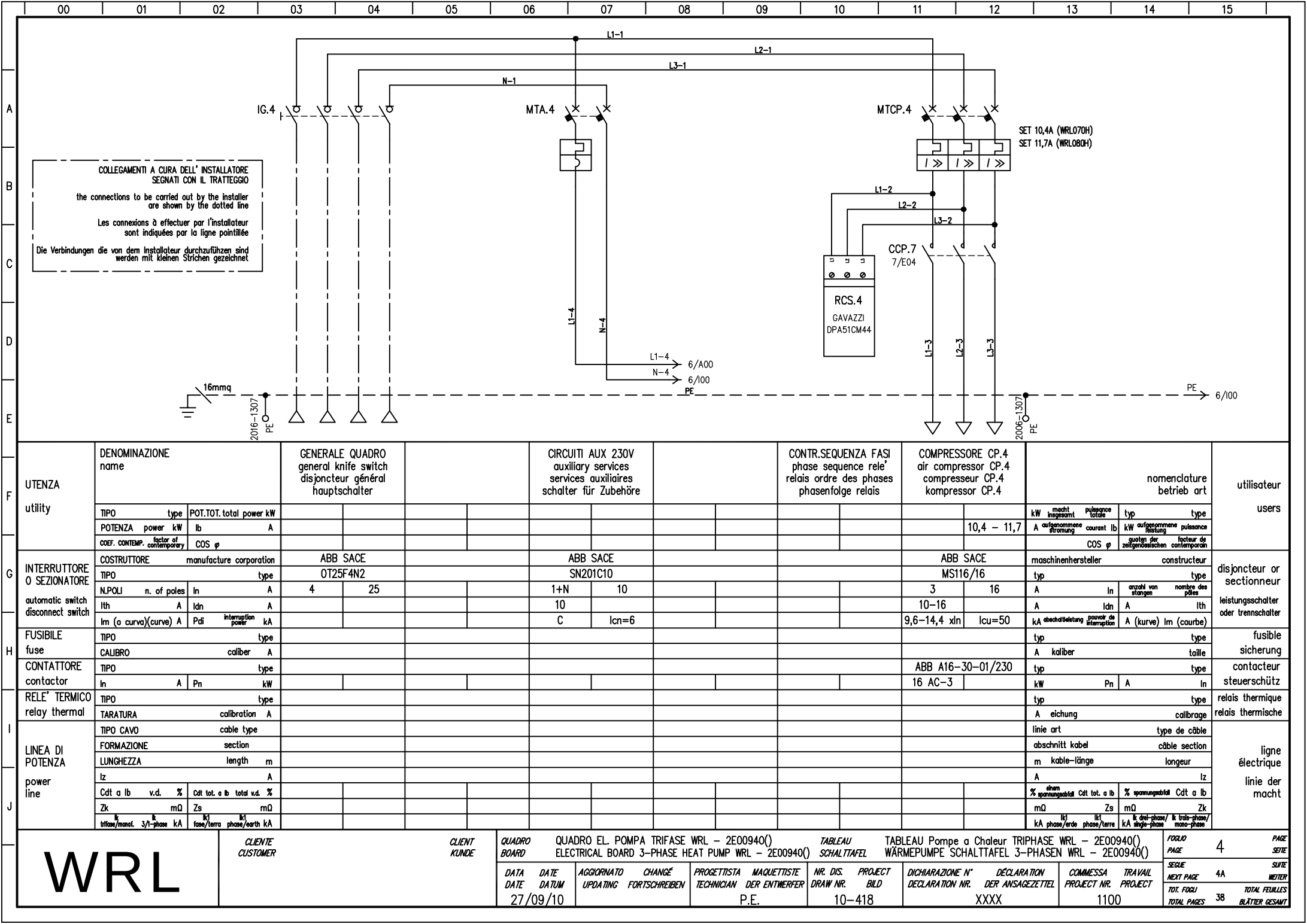
|                        |                     |                      |                    |
|------------------------|---------------------|----------------------|--------------------|
| WRL                    |                     |                      |                    |
| Costruttore            | Manufacturer        | NORMA CEI EN 60335-1 |                    |
| COD. ARTICOLO          | Article Code        | 2E009400_01 03/03/11 |                    |
| ALIMENTAZIONE          | Power supply        | 3/N/PE - 50 Hz 400V  |                    |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 Hz 50          |
| POMPA DI CALORE WRL070 | Heat Pump WRL070    | A Max                | 11,3               |
| POMPA DI CALORE WRL080 | Heat Pump WRL080    | A Max                | 12,6               |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x                 |
| NOTE NR. LOTTO=        | Notes               | XXXX                 | CON AUT. SENSIBIL. |

|                        |                     |                      |                    |
|------------------------|---------------------|----------------------|--------------------|
| WRL                    |                     |                      |                    |
| Constructeur           | Maschinenhersteller | NORMA CEI EN 60335-1 |                    |
| Code Article           | Artikelcode         | 2E009400_01 03/03/11 |                    |
| Alimentation           | Stromversorgung     | 3/N/PE - 50 Hz 400V  |                    |
| Tension Nominale       | Nennspannung        | V                    | 400 Hz 50          |
| Pompe a Chaleur WRL070 | Wärmepumpe WRL070   | A Max                | 11,3               |
| Pompe a Chaleur WRL080 | Wärmepumpe WRL080   | A Max                | 12,6               |
| Degré de protection    | Schutzgrad          | IP                   | 2x                 |
| Note                   | Anmerkungen         | XXXX                 | CON AUT. SENSIBIL. |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| REV.8  |          |                                         |            |             |               |
| REV.7  |          |                                         |            |             |               |
| REV.6  |          |                                         |            |             |               |
| REV.5  |          |                                         |            |             |               |
| REV.4  |          |                                         |            |             |               |
| REV.3  |          |                                         |            |             |               |
| REV.2  | 11/10/12 | MODIFICA PAG.6 – COLLEGAMENTO FIELD-BUS | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.1  | 03/03/11 | EMESSO PER COSTRUZIONE                  | PELOSATO   | TREVISAN    | PADOVANI      |
| REV.0  | 27/09/10 | EMESSO PER APPROVAZIONE                 | PELOSATO   | TREVISAN    |               |
| REV.   | DATA     | OGGETTO MODIFICA                        | PROGETTATO | CONTROLLATO | APPROVATO     |
| REV.   | DATE     | OBJECT                                  | DESIGNED   | CHECKED     | APPROVED      |
| REV.   | DATE     | OBJET                                   | CONÇU      | APPROUVÉES  | CONTRÔLÉES    |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMEN  | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|---------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD                 |
|                                                                                                                                                      |                 | 10-418                       |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                                                                                                                                                      |                 | 27/09/10                     |                                 |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00940                      | TABLEAU<br>SCHALTAFEL           |
| QUADRO EL. POMPA TRIFASE WRL<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL<br>TABLEAU Pompe a Chaleur TRIPHASE WRL<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL |                 |                              |                                 |
|                                                                                                                                                      |                 | COMMESSA<br>PROJECT NR.      | TRAVAIL<br>PROJECT              |
|                                                                                                                                                      |                 | 1100                         |                                 |
|                                                                                                                                                      |                 | PROGETTISTA<br>TECHNICIAN    | MAQUETTISTE<br>DER ENTWERFER    |
|                                                                                                                                                      |                 | DICHIARAZIONE<br>DECLARATION | DÉCLARATION<br>DER ANSAGEZETTEL |
|                                                                                                                                                      |                 | XXXX                         |                                 |

|   | 00                                                                                                                                                                                                                                                                                                                                                                                   | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                                                                                                                                                             | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 14 | 15 |  |  |  |  |
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| A |                                                                                                                                                                                                                                                                                                                                                                                      | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DEUTSCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |    | ITALIANO                                                                                                                                                                               | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DEUTSCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |    |  |  |  |  |
|   | O/I<br>AE<br>AL<br>ALDEO<br>ALSAN<br>ALUMP<br>BL<br>CCP<br>CP<br>CMPO<br>RCRE<br>RCRES<br>DCP                                                                                                                                                                                                                                                                                        | INTERRUTTORE ACCESO/SPENTO<br>ALLARME ESTERNO<br>ALLARME<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>CONTATTORE COMPRESSORE<br>COMPRESSORE<br>CONTATTORE MOTOPOMPA<br>RELE' CALDAIA/RESISTENZA IMPIANTO<br>RELE' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE<br>DEUMIDIFICATORE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Switch On Off<br>remote alarm<br>alarm<br>alarm dehumidifier<br>health alert<br>boiler/heater alarm<br>compressor contactor<br>compressor<br>pump contactor<br>relay boiler / heating system<br>relay boiler / heating health<br>low ambient temperature device<br>dehumidifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudière/système de chauffage<br>relay chaudière de chauffage de santé<br>dispositif pour basse température<br>dehumidificateur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pumpe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank<br>Widerstände<br>winterregelung<br>entfeuchters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |    |    |    | AP<br>BP<br>FL<br>EXV<br>FLGEO<br>FLIMP<br>MAP<br>MBP<br>KSAE<br>SAC<br>SIM<br>SGP<br>SIGEO<br>SIW<br>SIWH<br>SRIM<br>SSAN<br>SUGEO<br>SUIM<br>SUR<br>SUW<br>SUWH<br>SSM<br>TAP<br>TBP | PRESSOSTATO DI ALTA<br>PRESSOSTATO DI BASSA<br>FLUSSOSTATO<br>VALVOLA ELETTRONICA<br>FLUSSOSTATO GEOTERMICO<br>FLUSSOSTATO IMPIANTO<br>MORSETTIERA PRESSOSTATO DI ALTA<br>MORSETTIERA PRESSOSTATO DI BASSA<br>SONDA ARIA ESTERNA<br>SONDA ASPIRAZIONE COMPRESSORE<br>SONDA INGRESSO IMPIANTO<br>SONDA GAS PREMENTE<br>SONDA INGRESSO GEOTERMICO<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA INGRESSO ACQUA (NTC)<br>SONDA RITORNO IMPIANTO<br>SONDA SANITARIO<br>SONDA USCITA GEOTERMICO<br>SONDA USCITA IMPIANTO<br>SONDA USCITA RECUPERATORE<br>SONDA USCITA ACQUA (NTC)<br>SONDA USCITA ACQUA (NTC)<br>SONDA VALVOLA MISCELATRICE<br>TRASDUTTORE ALTA PRESSIONE<br>TRASDUTTORE BASSA PRESSIONE | "high pressure" contral<br>pressure switch "low pressure"<br>flowswitch<br>electronic electrovalve<br>geothermal flowswitch<br>system flowswitch<br>pressure switch "high pressure" clamps<br>pressure switch "low pressure" clamps<br>ambient air probe<br>air compressor suction probe<br>input system probe<br>discharge pipe sensor<br>input geothermal probe<br>water inlet probe (NTC)<br>water inlet probe (NTC)<br>output system probe<br>probe health<br>output geothermal probe<br>output system probe<br>recovery outlet probe<br>water outlet probe (NTC)<br>water outlet probe (NTC)<br>mixing valve probe<br>high pressure trasducer<br>low pressure trasducer | pressostat "haut pression"<br>pressostat "basse pression"<br>fluxostat<br>commande de électrovalve électronique<br>débitmètre géothermie<br>débitmètre de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air extérieur<br>sonde d'aspiration de compresseur<br>sonde de entrées installation<br>sonde sur refolement<br>sonde entree géothermique<br>sonde entree eau (NTC)<br>sonde entree eau (NTC)<br>sonde de sorties installation<br>sonde de santé<br>sonde sortie géothermique<br>sonde sortie installation<br>sonde sortie recuperation<br>sonde sortie eau (NTC)<br>sonde sortie eau (NTC)<br>sonde robinet mélange<br>transducteur haute pression<br>transducteur basse pression | hochdruckpressostat<br>druckschalter "niedrig druck"<br>stroemungswaechter<br>startsteuerung ventilelektronic<br>Geothermie strömungsschalter<br>Anlage strömungsschalter<br>druckschalter "hock druck" klemmen<br>druckschalter "niedrig druck" klemmen<br>aubenluftfuehler<br>kompressor saugsonde<br>sensor zwei anlage<br>fühler-druckleitung<br>geothermie sensor<br>fühler-wassereintritt (NTC)<br>fühler-wassereintritt (NTC)<br>Ausgang Wärmetauscher sensor<br>probe gesundheit<br>ausgang erdwärmesonde<br>sensor ausgang anlage<br>regenerator fühler-austritt<br>fühler-wasserstritt (NTC)<br>fühler-wasserstritt (NTC)<br>mischerventil probe<br>HD-drucktransmitter<br>ND-drucktransmitter |    |    |  |  |  |  |
| B | DRE<br>F<br>FRC<br>IG<br>L<br>M<br>MA<br>MCN<br>MPO1<br>MPO2<br>MPO3<br>MRTF<br>MSN<br>MTA<br>MTMPO<br>MTCP<br>MTR<br>N<br>NE<br>PE<br>PD<br>PDH<br>RPMIX1<br>PR<br>R<br>RAP<br>RC<br>RCP<br>RCS<br>RE<br>RER<br>RIMO<br>RI<br>RVSE<br>RX<br>SET<br>SIC<br>TEP<br>TGP<br>TR<br>TSME<br>TSRE<br>TSRI<br>TSVSE<br>TV<br>V3VF<br>V3VS<br>VIC<br>VLS<br>VMD<br>VMS<br>VMDX1<br>VS<br>VSE | AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | AVVIATORE<br>FUSIBILE<br>FILTRO ANTIDISTURBO<br>INTERRUTTORE GENERALE<br>FASE DI ALIMENTAZIONE<br>MORSETTIERA<br>MARRONE<br>MORSETTIERA DI COMANDO<br>MOTOPOMPA GEOTERMICO<br>MOTOPOMPA PRIMARIO<br>MOTOPOMPA SANITARIO<br>MORSETTIERA REG. TAGLIO DI FASE<br>MORSETTIERA DI SEGNALE<br>MAGNETOTERMICO AUSILIARI<br>MAGNETOTERMICO POMPA<br>MAGNETOTERMICO COMPRESSORE<br>INTERRUTTORE RISCALDATORE<br>NEUTRO DI ALIMENTAZIONE<br>NERO<br>COLLEGAMENTO DI TERRA<br>PRESSOSTATO DIFFERENZIALE<br>PRESSOSTATO DIFFERENZIALE<br>RELE' POMPA ZONA 1<br>PANNELLO REMOTO<br>RELE'<br>RELE' ALTA PRESSIONE<br>RESISTENZA OLIO COMPRESSORE<br>RELE' COMPRESSORE<br>RELE' CONTROLLO SEQUENZA<br>RESISTENZA ANTIGELO<br>ANTIGELO RECUPERO<br>RELE' MOTOPOMPA<br>RISCALDATORE<br>RELE' VALVOLA ECONOMIZER<br>RESISTENZA BACINELLA<br>SECONDO SET<br>CATENA SICUREZZE<br>RELE' RITARDATO<br>TERMOSTATO GAS PREMENTE<br>TRASFORMATORE<br>TRASDUTTORE DI PRESSIONE<br>TERMOSTATO MECCANICO<br>TERMOSTATO RESISTENZE ANTIGELO<br>TERMOSTATO SICUREZZA RISCALDATORE<br>TERMOSTATO ECONOMIZER<br>TERMICA VENTILATORE<br>VALVOLA A 3 VIE FREECOOLING<br>VALVOLA A 3 VIE SANITARIO<br>VALVOLA INVERSIONE CICLO<br>VALVOLA INTERCETTAZIONE LIQUIDO<br>VALVOLA MODULANTE A 2 VIE<br>VALVOLA MODULANTE SANITARIO<br>VALVOLA MISCELATRICE ZONA 1<br>VALVOLA SOLENOIDE INIEZ. LIQUIDO<br>VALVOLA SOLENOIDE ECONOMIZER | Interrupteur On Off<br>alarme extérieur<br>alarm<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudière/resistance<br>bleu<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudière/système de chauffage<br>relay chaudière de chauffage de santé<br>dispositif pour basse température<br>dehumidificateur<br>démarrreur<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase de alimentation<br>bornes<br>marron<br>bornes de commande<br>pompe géothermie<br>pompe primaire<br>pompe pour ballon ECS<br>bornes de gouverneur coupe phase<br>bornes de signal<br>magneto-thermique services auxiliaires<br>magneto-thermique de pompe<br>magneto-thermique compresseur<br>magneto-thermique Chauffage<br>neutre de alimentation<br>noir<br>mise à la terre<br>pressostat différentiel<br>pressostat différentiel<br>relais pompe de zone 1<br>commande à distance<br>relais<br>Relais haute pression<br>résistance huile CP<br>relais de compresseur<br>relais sequenciel<br>résistance antigel<br>recouvrement antigel<br>relais de pompe<br>chauffage<br>relais de economizer<br>résistance de bassins<br>second set<br>thermiques sécurité<br>relais retard<br>thermostat de gaz de décharge<br>transformateur<br>transducteur pression<br>Thermostat mécanique<br>thermostat de résistance antigel<br>thermostat de sécurité chauffage<br>Thermostat economizer<br>thermistance ventilateur<br>vanne à trois voies freecooling<br>vanne à trois voies de santé<br>vanne inversion de cycle<br>électrovalve interception de liquide<br>Vanne modulante à deux voles<br>Modulation de la santé valve<br>Vanne de zone de melange 1<br>électrovalve injection de liquide<br>électrovalve economizer | Schalter ein/aus<br>fernstoermeldung<br>alarm<br>alarm entfeuchter<br>gesundheit alarm<br>alarm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschütz pumpe<br>kessel/heizung<br>startsteuerung Kessel/Wassertank<br>Widerstände<br>winterregelung<br>entfeuchters<br>anlasser<br>Sicherung<br>Funkentstörung<br>Hauptschalter<br>phasen vom Stromversorgung<br>klemmen<br>braun<br>startsteuerung klemmen<br>Geothermie pumpe<br>primär pumpe<br>pumpe im Wassertank<br>klemmen der gouverneur cut-phase<br>signal klemmen<br>schalter für Zubehör<br>schalter für pumpe<br>motorschuttschalter kompressor<br>Heizvorrichtung schalter<br>neutral vom Stromversorgung<br>schwarz<br>erdungskontakt<br>druckdifferenzschalter<br>druckdifferenzschalter<br>relay pumpe in zone 1<br>remote panel<br>relais<br>hockdruckrelais<br>kubelwannenheizung<br>kompressor relais<br>relais phasenreihenfolge<br>einfrierverhütend Widerstände<br>antifreeze recovery<br>pumpe relais<br>heizvorrichtung<br>economizer relais<br>tropfschale Widerstände<br>zweite set<br>sicherheit spannungreiche<br>zeit relais<br>Druckgas Thermostat<br>Transformator<br>drucktransmitter<br>thermischer mechanische<br>einfrierverhütend Widerstände thermischer<br>sicherheit heizvorrichtung thermischer<br>thermischer economizer<br>thermistor gebläse<br>dreizegeventil freecooling<br>dreizegeventil gesundheit<br>umkehrventil<br>liquid abfangen magnetventil<br>Modulierendes Zwei-Wege-Ventil<br>RegelVentil gesundheit<br>nischer-Ventil zone 1<br>elektroventil injection vom flüssigen<br>elektroventil economizer |    |    |    |    |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |    |  |  |  |  |
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COLLEGAMENTI A CURA DELL' INSTALLATORE  
SEGNATI CON IL TRATTEGGIO

the connections to be carried out by the installer  
are shown by the dotted line

Les connexions à effectuer par l'installateur  
sont indiquées par la ligne pointillée

Die Verbindungen die von dem Installateur durchzuführen sind  
werden mit kleinen Strichen gezeichnet

| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                         | GENERALE QUADRO<br>general knife switch<br>disjoncteur général<br>hauptschalter |             |    |          |  |   | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehör |    |  | CONTR.SEQUENZA FASI<br>phase sequence rele'<br>relais ordre des phases<br>phasenfolge relais |  |  | COMPRESSORE CP.4<br>air compressor CP.4<br>compressor CP.4 |          |                     | nomenclature<br>betrieb art         |                                |                            | utilisateur                   |                       |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|-------------------------|---------------------------------------------------------------------------------|-------------|----|----------|--|---|-----------------------------------------------------------------------------------------|----|--|----------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------|----------|---------------------|-------------------------------------|--------------------------------|----------------------------|-------------------------------|-----------------------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            | kW       | mecht.<br>insgesamt | puissance<br>totale                 | typ                            | type                       | users                         |                       |
|                                                                            | POTENZA                                | power kW                  | lb                      | A                                                                               |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          | A                   | aufgenommene<br>stromung            | current lb                     | kW                         | aufgenommene<br>leistung      | puissance             |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                   |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     | COS φ                               | quoten der<br>zeitgenössischen | facteur de<br>contemporain |                               |                       |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                         | ABB SACE                                                                        |             |    | ABB SACE |  |   | ABB SACE                                                                                |    |  | ABB SACE                                                                                     |  |  | ABB SACE                                                   |          |                     | maschinenhersteller<br>constructeur |                                |                            | disjoncteur or<br>sectionneur |                       |
|                                                                            | TIPO                                   | type                      |                         |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | type                           | type                       |                               |                       |
|                                                                            | N.POLI                                 | n. of poles               | In                      | A                                                                               | 4           | 25 |          |  |   | 1+N                                                                                     | 10 |  |                                                                                              |  |  |                                                            |          | 3                   | 16                                  | A                              | In                         | anzahl von<br>stangen         | nombre des<br>pôles   |
|                                                                            | lth                                    | A                         | Idn                     | A                                                                               |             |    |          |  |   | 10                                                                                      |    |  |                                                                                              |  |  |                                                            |          | 10-16               |                                     | A                              | Idn                        | A                             | lth                   |
|                                                                            | Im (o curva)(curve)                    | A                         | Pdi                     | interruption<br>power                                                           | kA          |    |          |  | C | lcn=6                                                                                   |    |  |                                                                                              |  |  |                                                            | 9,6-14,4 | xln                 | lcu=50                              | kA                             | abschaltleistung           | puissance de<br>interruption  | A (kurve) Im (courbe) |
| FUSIBILE<br>fuse                                                           | TIPO                                   | type                      |                         |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | typ                            | type                       |                               |                       |
|                                                                            | CAUBRO                                 | caliber                   | A                       |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | A                              | kaliber                    | taille                        |                       |
| CONTATTORE<br>contactor                                                    | TIPO                                   | type                      |                         |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | ABB A16-30-01/230              | typ                        | type                          | taille                |
|                                                                            | In                                     | A                         | Pn                      | kW                                                                              |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          | 16 AC-3             |                                     | kW                             | Pn                         | A                             | In                    |
| RELE* TERMICO<br>relay thermal                                             | TIPO                                   | type                      |                         |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | typ                            | type                       |                               |                       |
|                                                                            | TARATURA                               | calibration               | A                       |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | A                              | eichung                    | calibrage                     |                       |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TIPO CAVO                              | cable type                |                         |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | linie art                      | type de câble              |                               |                       |
|                                                                            | FORMAZIONE                             | section                   |                         |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | abschnitt kabel                | câble section              |                               |                       |
|                                                                            | LUNGHEZZA                              | length                    | m                       |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | m                              | kable-länge                | longeur                       |                       |
|                                                                            | Iz                                     | A                         |                         |                                                                                 |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | A                              |                            | Iz                            |                       |
|                                                                            | Cdt a lb                               | v.d.                      | %                       | Cdt tot. a lb                                                                   | total v.d.  | %  |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | ehen<br>% spannungsbedarf      | Cdt tot. a lb              | % spannungsbedarf             | Cdt a lb              |
|                                                                            | Zk                                     | mQ                        | Zs                      | mQ                                                                              |             |    |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | mQ                             | Zs                         | mQ                            | Zk                    |
|                                                                            | trifase/monof.                         | 3/1-phase                 | kA                      | fase/terra                                                                      | phase/earth | kA |          |  |   |                                                                                         |    |  |                                                                                              |  |  |                                                            |          |                     |                                     | trifase/monof.                 | 3/1-phase                  | kA                            | trifase/monof.        |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL – 2E00940()  
ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00940()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00940()  
WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00940()

FOGLIO  
PAGE

4

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10–418

DICHIARAZIONE N°  
DECLARATION  
DECLARATION NR.  
DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEGUIE  
NEXT PAGE  
4A

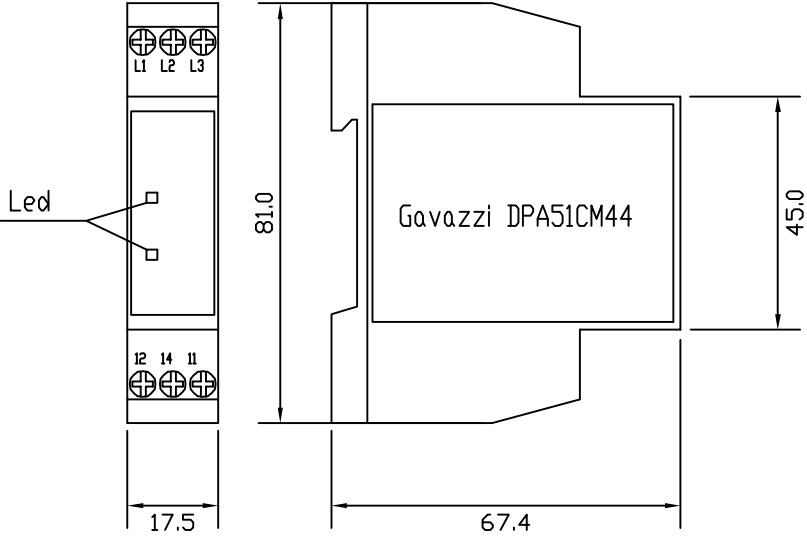
TOT. FOGLI  
TOTAL PAGES  
38

TOTAL FEUILLES  
BLATTIER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|------------|--------------------------------------------------|------------------|------------------|-------------|---------|-------------|----|----------------|----------------|
|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08         | 09                                               | 10               | 11               | 12          | 13      | 14          | 15 |                |                |
| A   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| B   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| C   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| D   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| E   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| F   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| G   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| H   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| I   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| J   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |                |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00940()           |            |               |             |               | TABLEAU    | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00940() |                  |                  |             |         | FOLIO       | 4A | PAGE           |                |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940() |            |               |             |               | SCHALTAFEL | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00940()   |                  |                  |             |         | SEQUE       |    | 4B             | SUITE          |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.   | PROJECT                                          | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL | NEXT PAGE   |    | TOT. FOGLI     | TOTAL FEUILLES |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.   | BILD                                             | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | TOTAL PAGES | 38 | BLÄTTER GESAMT |                |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-418     |                                                  | XXXX             |                  | 1100        |         |             |    |                |                |

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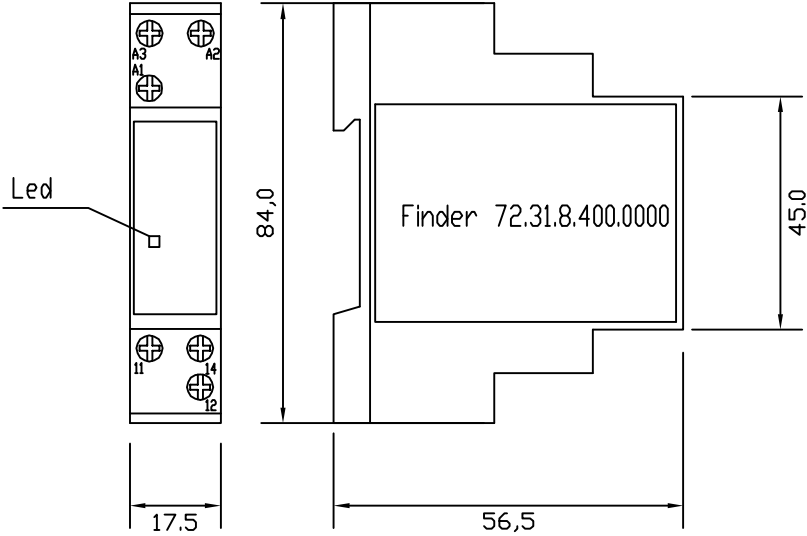
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11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

IN ALTERNATIVA  
alternative  
alternative  
alternative

Finder 72.31.8.400.0000  
A1 = L1  
A2 = L2  
A3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



RCS.4  
SEQUENZIMETRO  
phase sequence rele'  
relais ordre des phases  
phasenfolge relais

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00940()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00940()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00940()

FOGLIO  
PAGE

4B

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-418

DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

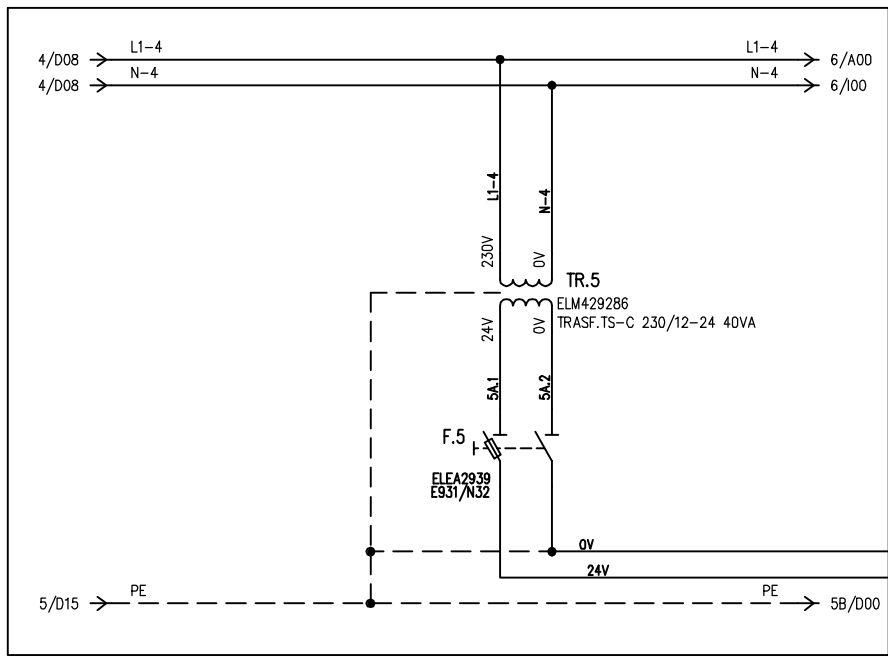
COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE' SUITE  
NEXT PAGE 5  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 38 BLATTIER GESAMT

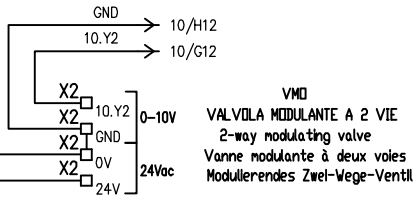


|     |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|--------------------------------------------------|------------------|------------------|-------------|-------------|---------|----------------|----|-------|
|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08                                               | 09               | 10               | 11          | 12          | 13      | 14             | 15 |       |
| A   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| B   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| C   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| D   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| E   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| F   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| G   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| H   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| I   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| J   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00940()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00940() |                  |                  |             | FOGLIO      | 5       | PAGE           |    |       |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00940()   |                  |                  |             | PAGE        | 5       | SETTE          |    |       |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.                                         | PROJECT          | DICHIARAZIONE N° | DÉCLARATION | COMMESSA    | TRAVAIL | SEQUE          |    | SUITE |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DECLARATION NR.                                  | DER ANSAGEZETTEL | PROJECT NR.      | PROJECT     | NEXT PAGE   | 5A      | METIER         |    |       |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-418                                           | XXXX             | 1100             |             | TOT. FOGLI  | 38      | TOTAL FEUILLES |    |       |
|     |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             | TOTAL PAGES |         | BLÄTTER GESAMT |    |       |

A  
B  
C  
D  
E



- M E** VERSIONI CON VALVOLA MODULANTE A 2 VIE
- M E** Version with 2-way modulating valve
- M E** Version avec Vanne modulante à deux voies
- M E** Version mit Modulierendes Zwei-Wege-Ventil



| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                  |                           |                          | CIRCUITI AUX 24V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |                       | VALVOLA STROZZATRICE<br>Throttle valve<br>Soupapes d'échappement<br>Drosselklappen |            |   |  |  |  |  |     | nomenclature<br>betrieb art |                            | utilisateur                      |                                       |                                                                              |                 |          |
|----------------------------------------------------------------------------|----------------------------------------|---------------------------|--------------------------|-----------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------|------------|---|--|--|--|--|-----|-----------------------------|----------------------------|----------------------------------|---------------------------------------|------------------------------------------------------------------------------|-----------------|----------|
|                                                                            | TIPO                                   | type                      | POT.TOT. total power kW  |                                                                                         |                       |                                                                                    |            |   |  |  |  |  |     | kW                          | macht<br>Insgesamt         | pulsance<br>totale               | typ                                   | type                                                                         |                 |          |
|                                                                            | POTENZA                                | power kW                  | lb                       | A                                                                                       |                       |                                                                                    |            |   |  |  |  |  |     | A                           | aufgenommene<br>stromung   | courant lb                       | kW                                    | aufgenommene<br>leistung                                                     |                 |          |
|                                                                            | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                    |                                                                                         |                       |                                                                                    |            |   |  |  |  |  |     |                             | COS φ                      | guoten der<br>zeitgleichzeitigen | facteur de<br>contemporain            |                                                                              |                 |          |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE<br>manufacture corporation |                           |                          | ABB SACE                                                                                |                       |                                                                                    |            |   |  |  |  |  |     | maschinenhersteller         |                            | constructeur                     |                                       | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |                 |          |
|                                                                            | TIPO<br>type                           |                           |                          | E931N                                                                                   |                       |                                                                                    |            |   |  |  |  |  |     | typ                         |                            | type                             |                                       |                                                                              |                 |          |
|                                                                            | N.POLI                                 | n. of poles               | In                       | A                                                                                       | 1+N                   |                                                                                    |            |   |  |  |  |  |     | A                           | In                         | anzahl von<br>strangen           | nombre des<br>poles                   |                                                                              |                 |          |
|                                                                            | Ith                                    | A                         | Idn                      | A                                                                                       |                       |                                                                                    |            |   |  |  |  |  |     | A                           | Idn                        | A                                | Ith                                   |                                                                              |                 |          |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve) A                  |                           |                          | Pdi                                                                                     | interruption<br>power | kA                                                                                 |            |   |  |  |  |  | kA  | abschaltleistung            | pouvoir de<br>interruption | A (kurve) Im (courbe)            |                                       |                                                                              |                 |          |
|                                                                            | TIPO                                   | type                      | 10x38                    |                                                                                         |                       |                                                                                    |            |   |  |  |  |  | typ |                             | type                       |                                  | fusible<br>sicherung                  |                                                                              |                 |          |
| CONTATTORE<br>contactor                                                    | CALIBRO<br>caliber                     |                           |                          | A                                                                                       |                       | 2A gL                                                                              |            |   |  |  |  |  |     | A                           |                            | kaliber                          |                                       | taille                                                                       |                 |          |
|                                                                            | TIPO                                   | type                      |                          |                                                                                         |                       |                                                                                    |            |   |  |  |  |  | typ |                             | type                       |                                  | contacteur<br>steuerschütz            |                                                                              |                 |          |
| RELE' TERMICO<br>relay thermal                                             | In                                     | A                         | Pn                       | kW                                                                                      |                       |                                                                                    |            |   |  |  |  |  |     | kW                          | Pn                         | A                                | In                                    |                                                                              |                 |          |
|                                                                            | TIPO                                   | type                      |                          |                                                                                         |                       |                                                                                    |            |   |  |  |  |  | typ |                             | type                       |                                  | relais thermique<br>relais thermische |                                                                              |                 |          |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TARATURA<br>calibration                |                           |                          | A                                                                                       |                       |                                                                                    |            |   |  |  |  |  |     | A                           |                            | eichung                          |                                       | calibrage                                                                    |                 |          |
|                                                                            | TIPO CAVO<br>cable type                |                           |                          |                                                                                         |                       |                                                                                    |            |   |  |  |  |  |     | linie art                   |                            | type de câble                    |                                       | ligne<br>électrique<br><br>linie der<br>macht                                |                 |          |
|                                                                            | FORMAZIONE<br>section                  |                           |                          |                                                                                         |                       |                                                                                    |            |   |  |  |  |  |     | abschnitt kabel             |                            | câble section                    |                                       |                                                                              |                 |          |
|                                                                            | LUNGHEZZA<br>length                    |                           |                          | m                                                                                       |                       |                                                                                    |            |   |  |  |  |  |     | m                           |                            | kable-länge                      |                                       |                                                                              | longeur         |          |
|                                                                            | Iz                                     |                           |                          | A                                                                                       |                       |                                                                                    |            |   |  |  |  |  |     | A                           |                            | Iz                               |                                       |                                                                              |                 |          |
|                                                                            | Cdt a lb                               |                           |                          | v.d.                                                                                    | %                     | Cdt tot. a lb                                                                      | total v.d. | % |  |  |  |  |     | %                           | sham<br>spannungsfaktor    | Cdt tot. a lb                    | %                                     |                                                                              | spannungsfaktor | Cdt a lb |
|                                                                            | Zk                                     |                           |                          | mQ                                                                                      | Zs                    | mQ                                                                                 |            |   |  |  |  |  |     |                             | mQ                         | Zs                               | mQ                                    |                                                                              | Zk              |          |
| Ik                                                                         |                                        |                           | trifase/monof. 3/1-phase | kA                                                                                      | Ik                    | fase/terra phase/earth                                                             | kA         |   |  |  |  |  |     | kA                          | phase/erde                 | Ik                               | trifase/monof. 3/1-phase              | kA                                                                           |                 |          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00940()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00940()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00940()

FOLIO  
PAGE

5A

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHRIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-418

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

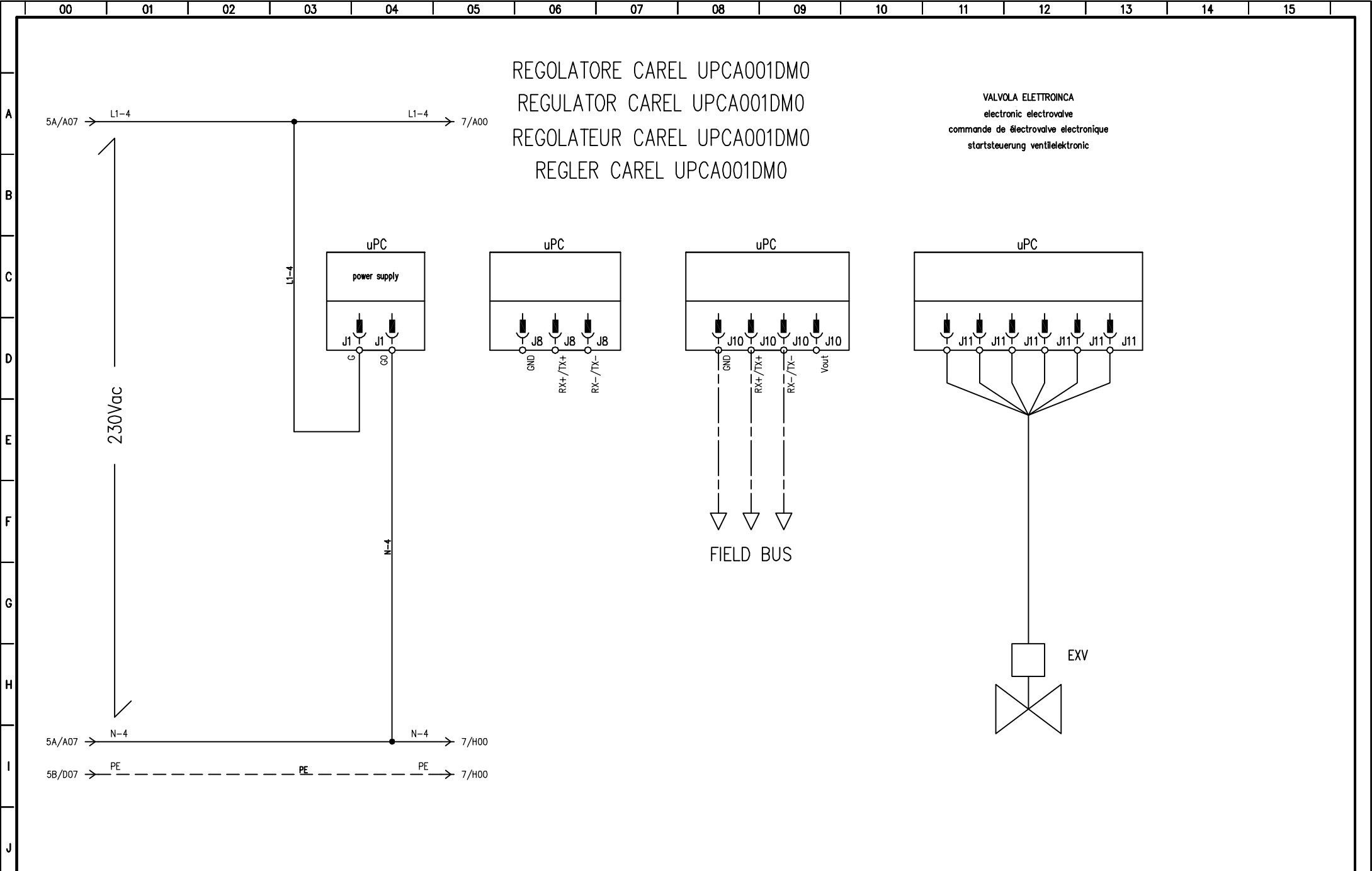
COMMESSA TRAVAIL  
PROJECT PROJECT  
1100

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NEXT PAGE  
5B

TOT. FOLII  
TOTAL PAGES  
38

SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|------------|--------------------------------------------------|------------------|------------------|-------------|-------------|-----------|----------------|-------|
|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08         | 09                                               | 10               | 11               | 12          | 13          | 14        | 15             |       |
| A   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| B   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| C   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| D   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| E   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| F   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| G   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| H   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| I   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| J   |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |             |           |                |       |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00940()           |            |               |             |               | TABLEAU    | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00940() |                  |                  |             |             | FOGLIO    | 5B             | PAGE  |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940() |            |               |             |               | SCHALTAFEL | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00940()   |                  |                  |             |             | PAGE      |                | SEITE |
|     |                     |                 | DATA     | DATE                                               | AGGIORNATO | CHANGE        | PROGETTISTA | MAQUETTISTE   | NR. DIS.   | PROJECT                                          | DICHIARAZIONE N° | DÉCLARATION      | COMMESSA    | TRAVAIL     | SEQUE     |                | SUITE |
|     |                     |                 | DATE     | DATUM                                              | UPDATING   | FORTSCHREIBEN | TECHNICIAN  | DER ENTWERFER | DRAW NR.   | BILD                                             | DECLARATION NR.  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT     | NEXT PAGE |                | 6     |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-418     |                                                  | XXXX             |                  | 1100        | TOT. FOGLI  | 38        | TOTAL FEUILLES |       |
|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             | TOTAL PAGES |           | BLÄTTER GESAMT |       |

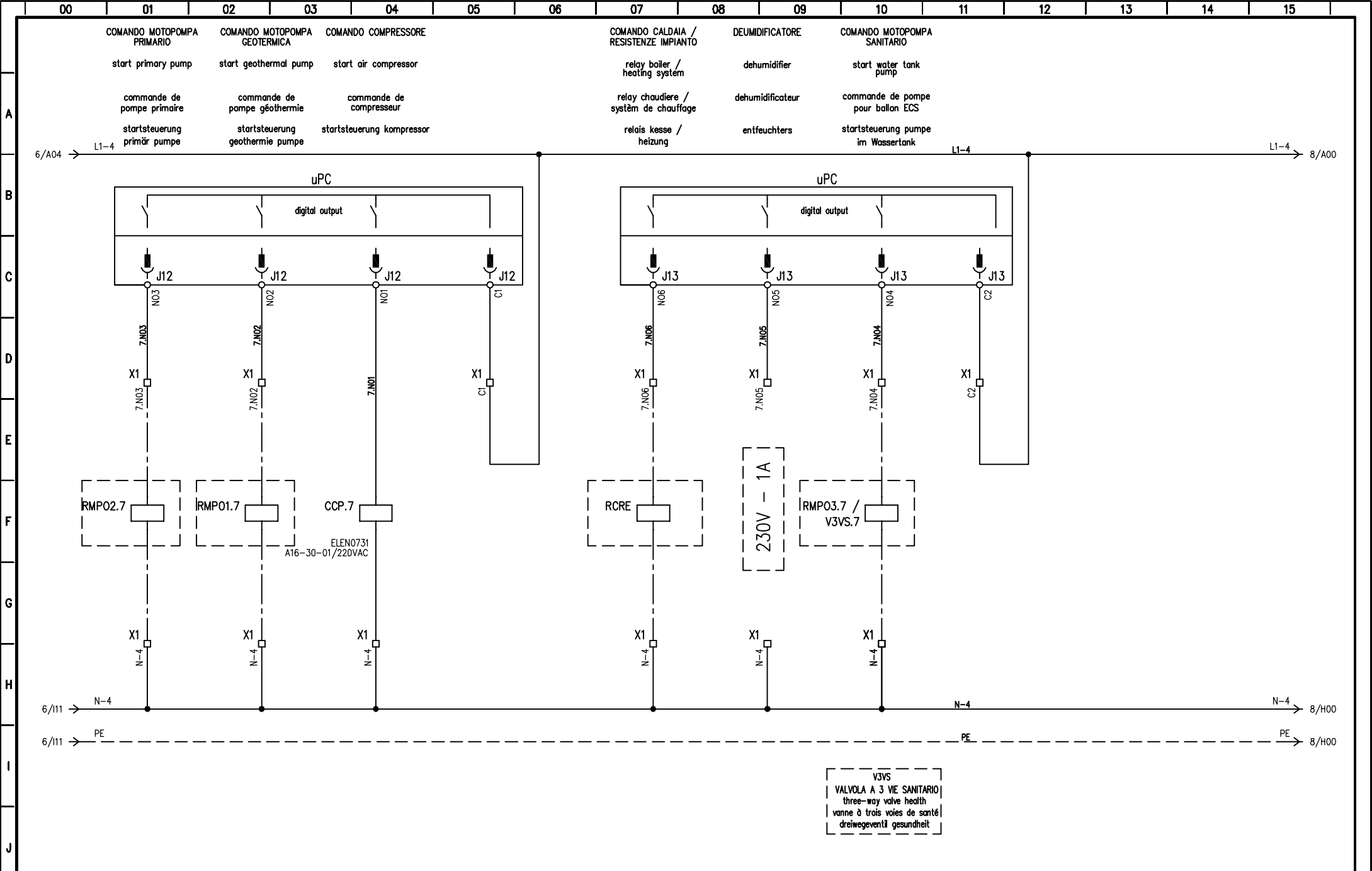


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |       |                 |               |                                                    |               |          |            |                                                  |                  |             |         |             |       |                |
|---------------------|-------|-----------------|---------------|----------------------------------------------------|---------------|----------|------------|--------------------------------------------------|------------------|-------------|---------|-------------|-------|----------------|
| CLIENTE<br>CUSTOMER |       | CLIENT<br>KUNDE | QUADRO        | QUADRO EL. POMPA TRIFASE WRL – 2E00940()           |               |          | TABLEAU    | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00940() |                  |             | Foglio  | 6           | PAGE  |                |
|                     |       |                 | BOARD         | ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00940() |               |          | SCHALTAFEL | WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00940()   |                  |             | PAGE    |             | SEITE |                |
| DATA                | DATE  | AGGIORNATO      | CHANGE        | PROGETTISTA                                        | MAQUETTISTE   | NR. DIS. | PROJECT    | DICHIARAZIONE N°                                 | DÉCLARATION      | COMMESSA    | TRAVAIL | SEGUE       | 7     | SUITE          |
| DATE                | DATUM | UPDATING        | FORTSCHREIBEN | TECHNICIAN                                         | DER ENTWERFER | DRAW NR. | BILD       | DECLARATION NR.                                  | DER ANSAGEZETTEL | PROJECT NR. | PROJECT | NEXT PAGE   |       | METER          |
| 27/09/10            |       |                 |               |                                                    | P.E.          | 10–418   |            | XXXX                                             |                  | 1100        |         | TOT. FOGLI  | 38    | TOTAL FEUILLES |
|                     |       |                 |               |                                                    |               |          |            |                                                  |                  |             |         | TOTAL PAGES |       | BLÄTTER GESAMT |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00940()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00940()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00940()

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27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

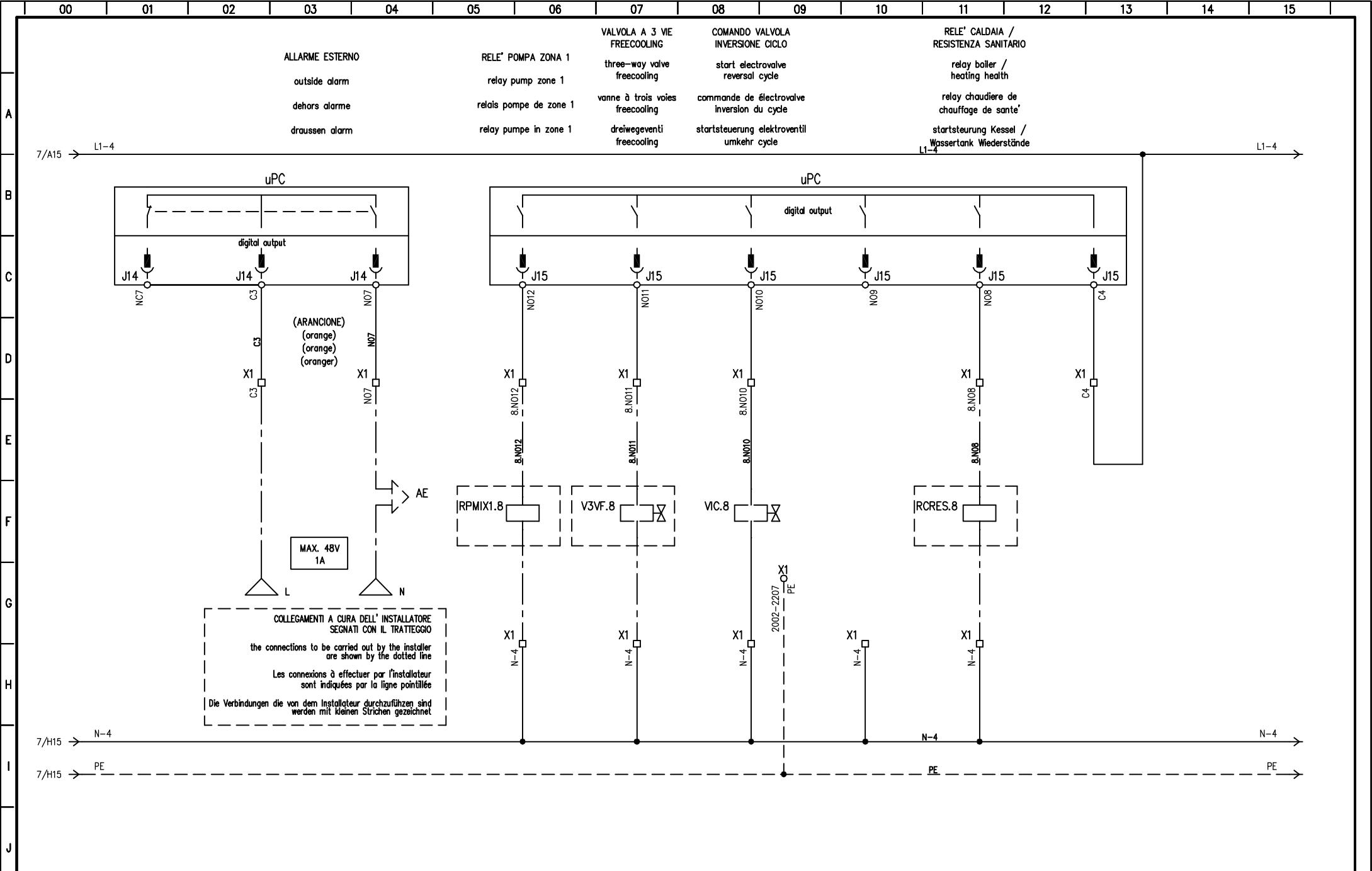
NR. DIS. PROJECT  
DRAW NR. BILD  
10-418

DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT  
38



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00940()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00940()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00940()

Foglio  
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27/09/10

AGGIORNATO  
UPDATING

CHANGÉ  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

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DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

XXXX

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

1100

SEQUE  
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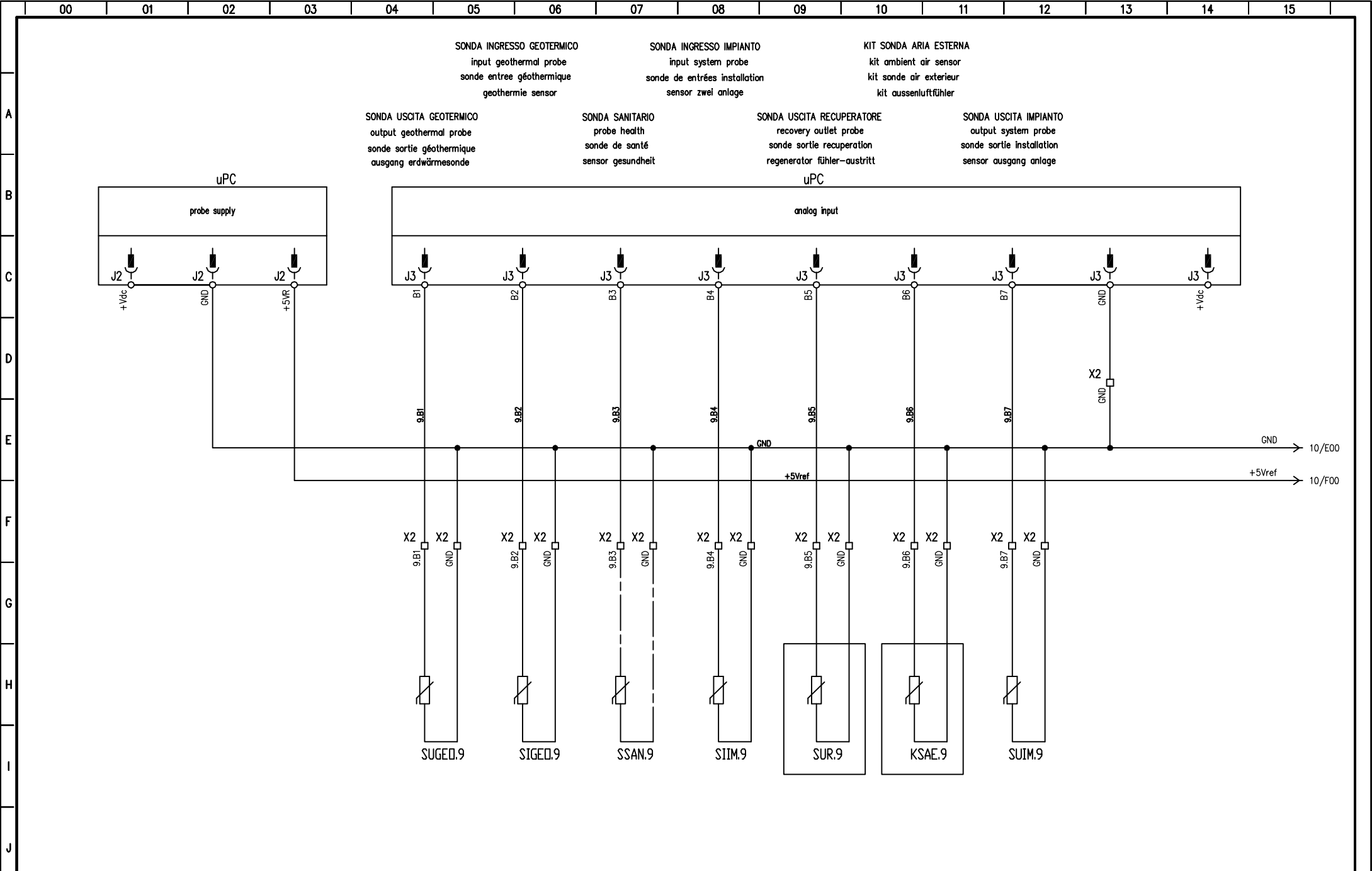
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SUITE  
METER

TOT. FOGLI  
TOTAL PAGES

38

TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

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BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00940()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00940()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00940()

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AGGIORNATO CHANGE  
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PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

NR. DIS. PROJECT  
DRAW NR. BILD  
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DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
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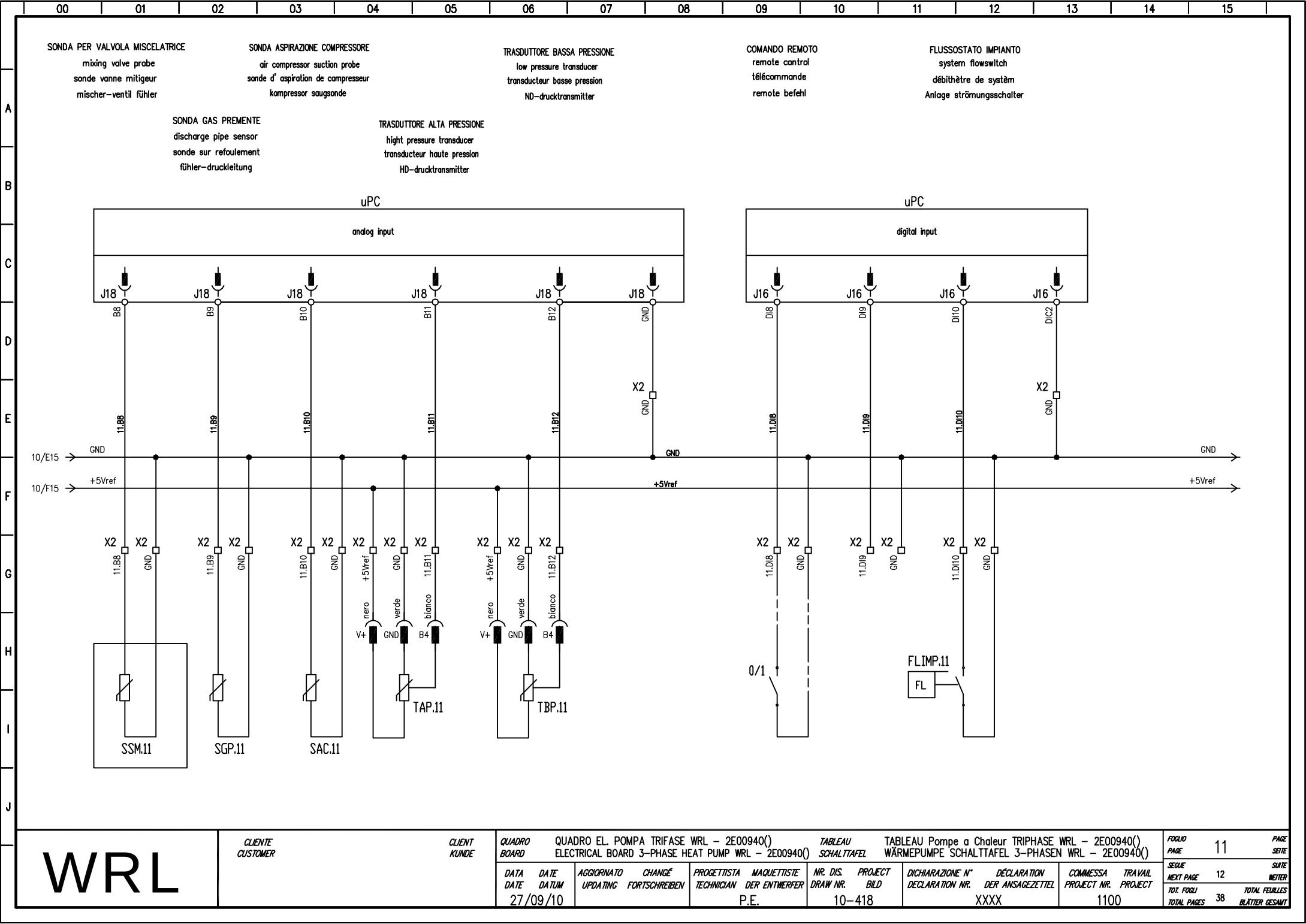
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PROJECT NR. PROJECT  
1100

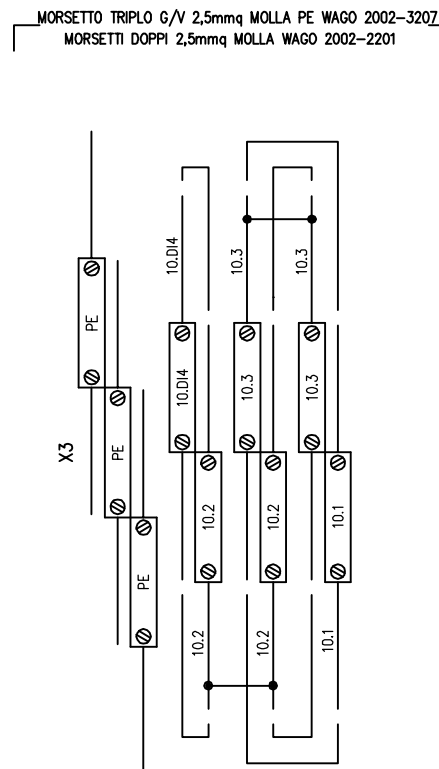
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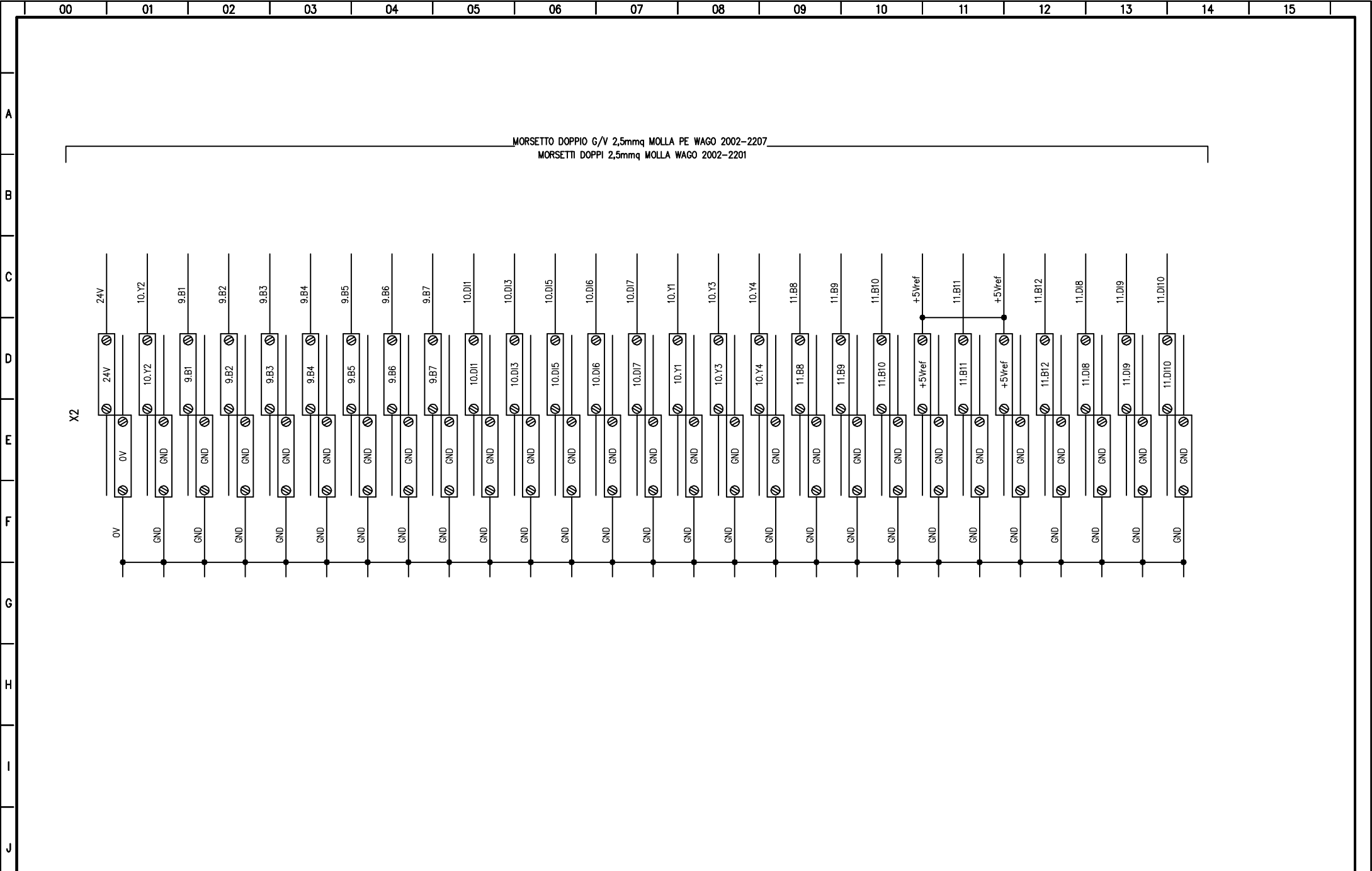
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METER  
TOTAL PAGES 38  
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BLATTIER GESAMT











WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00940()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940()

TABE  
SCHALT

TABE  
SCHALT

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DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGÉ  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

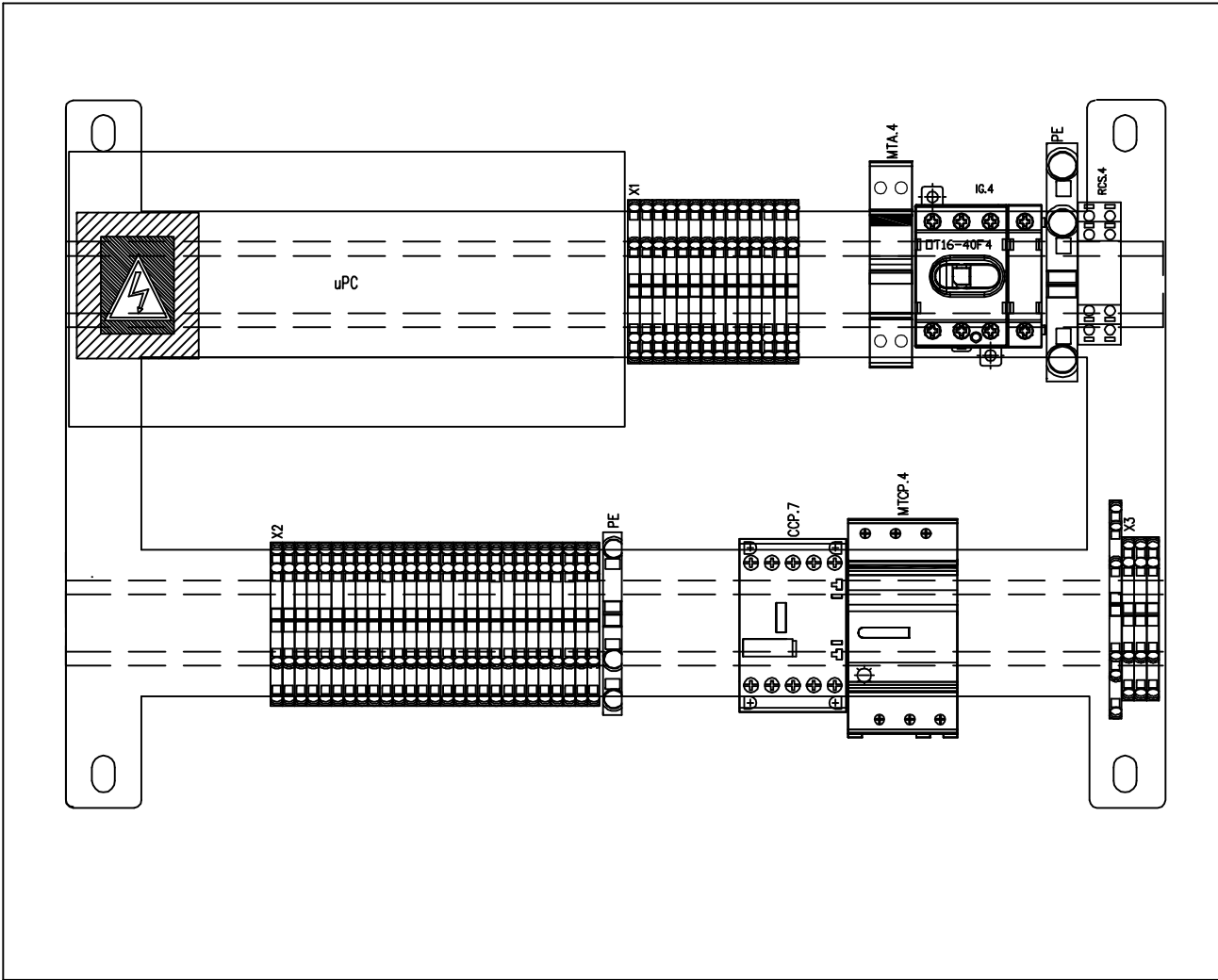
TOT. FOGLI  
TOTAL PAGES

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SUITE  
METER

TOTAL FEUILLES  
BLÄTTER GESAMT

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



|                                                                                                                                     |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| DATI TECNICI CARPENTERIA                                                                                                            | TECHNICAL DATA BOX                                                                                                           |
| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: /                                   | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: /                               |
| DIMENSIONI                                                                                                                          | DIMENSION                                                                                                                    |
| Altezza: 350<br>Larghezza: 500<br>Profondita': 160                                                                                  | height: 350<br>Width: 500<br>Deep: 160                                                                                       |
| NOTE                                                                                                                                | NOTES                                                                                                                        |
| DONNÉES TECHNIQUES<br>TABLEAU<br>Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<br>Ségrégation: 1<br>In: /<br>Icw: /<br>Ue: / | TECHNISCHEN DATEN<br>DES RAHMENS<br>Marke: -<br>Farbe: -<br>Schutzgrad: IP2X<br>Absonderungen: 1<br>In: /<br>Icw: /<br>Ue: / |
| DIMENSION                                                                                                                           | ABMESSUNGEN                                                                                                                  |
| Hauteur: 350<br>Largeur: 500<br>Profondeur: 160                                                                                     | Höhe: 350<br>länge: 500<br>Tiefe: 160                                                                                        |
| NOTE                                                                                                                                | BEMERKUNGEN                                                                                                                  |

☐ QUADRO DI SERIE

☐ Tableau standard

☐ Standard Board

☐ serienmäßig schalttafel

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| <b>M</b> VERSIONE CON VALVOLA MODULANTE A 2 VIE | <b>M</b> Version avec Vanne modulante à deux voies  |
| <b>M</b> Version with 2-way modulating valve    | <b>M</b> Version mit Modulierendes Zwei-Wege-Ventil |

00010203040506070809101112131415

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

DATI TECNICI CARPENTERIA

Marca: -  
Colore: -  
Grado di protezione: IP2X  
Segregazione: 1  
In: /  
Icw: /  
Ue: /

TECHNICAL DATA BOX

Mark: -  
Color: -  
Level of protection: IP2X  
Segregation: 1  
In: /  
Icw: /  
Ue: /

DONNÉES TECHNIQUES  
TABLEAU

Marque: -  
Couleur: -  
Degrè de protection: IP2X  
Ségrégation: 1  
In: /  
Icw: /  
Ue: /

TECHNISCHEN DATEN  
DES RAHMENS

Marke: -  
Farbe: -  
Schutzgrad: IP2X  
Absonderungen: 1  
In: /  
Icw: /  
Ue: /

DIMENSIONI

Altezza: 350  
Larghezza: 1040  
Profondità: 160

DIMENSION

height: 350  
Width: 1040  
Deep: 160

DIMENSION

Hauteur: 350  
Largeur: 1040  
Profondeur: 160

ABMESSUNGEN

Höhe: 350  
länge: 1040  
Tiefe: 160

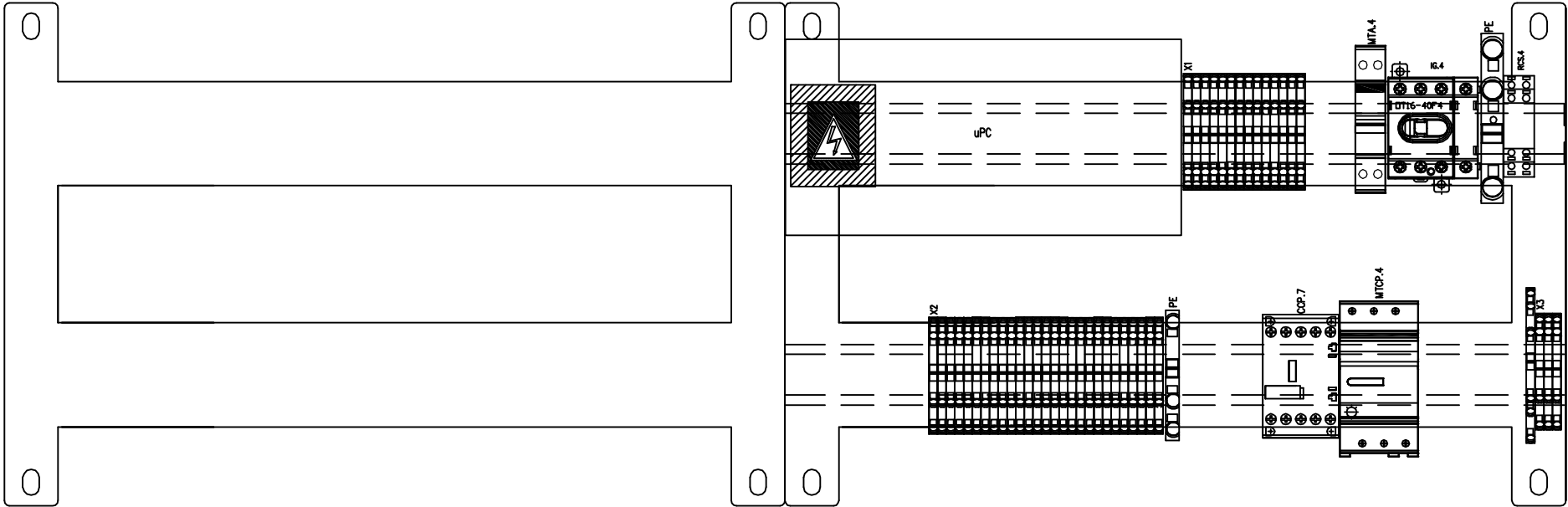
NOTE

NOTES

NOTE

BEMERKUNGEN

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



A

VERSIONE CON ACCUMULO

A

Version with Storage

A

Version avec Stockage

A

Version mit Lagerung

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00940()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00940()

DATA  
DATE

DATE  
DATUM

27/09/10

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

P.E.

NR. DIS.  
DRAW NR.

PROJECT  
BILD

10-418

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

XXXX

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

1100

FOLIO  
PAGE

14B

SUITE  
NEXT PAGE

14C

TOT. FOGLI  
TOTAL PAGES

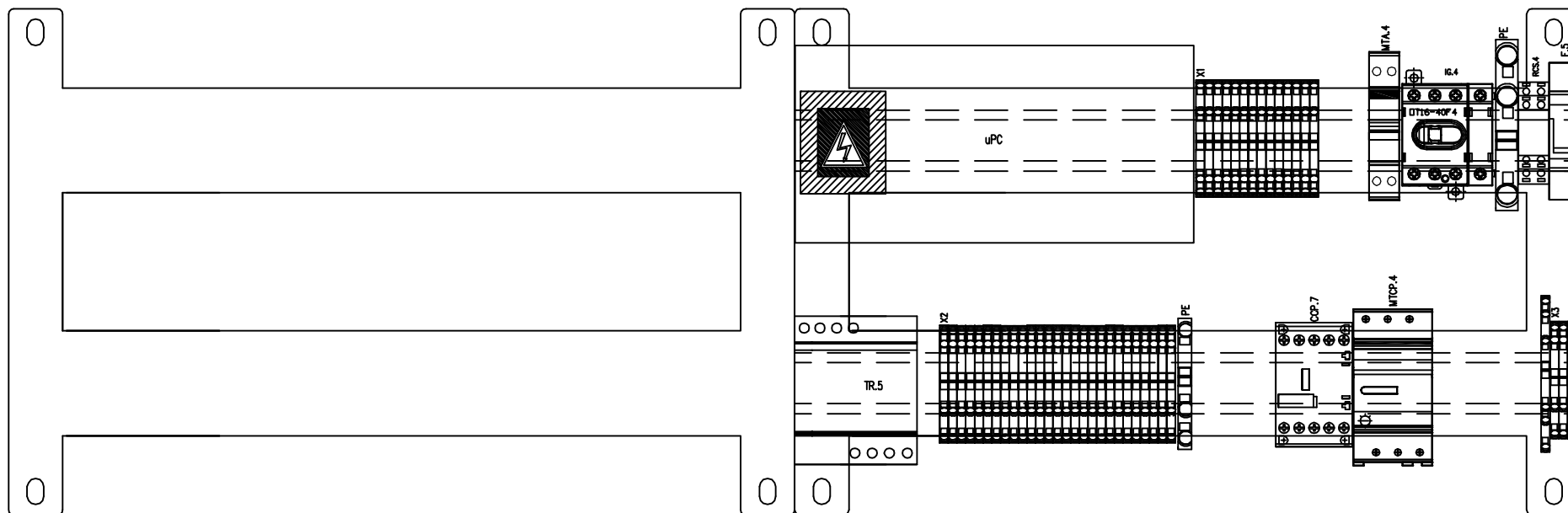
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PAGE  
SEITE

SUITE  
NETHEN

TOTAL FEUILLES  
BLÄTTER GESAMT

VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



**E** Version avec Stockage + Vanne modulante à deux voies  
**E** Version mit Lagerung + Modulierendes Zwei-Wege-Ventil

