



Schemi elettrici

IT

Wiring diagrams

EN

Raccordements

FR

Elektrische Anschlüsse

DE

Esquemas eléctricos

ES

TRIFASE - THREE-PHASE- DREIPHASIGEN  
TRIPHASÉ - TRIFÁSICO

**WRL 100 ÷ 160H**

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|                                                       |           |           |        |
|-------------------------------------------------------|-----------|-----------|--------|
| POMPA TRIFASE                                         |           |           | WRL100 |
| Quadro elettrico                                      |           | REV       |        |
| cod.                                                  | 2E00945   | 1         |        |
| cod.                                                  | 2E00945A  | 1         | A      |
| cod.                                                  | 2E00945M  | 1         | M      |
| cod.                                                  | 2E00945E  | 1         | E      |
|                                                       |           |           |        |
| rif.                                                  | 2E00789_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 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 |

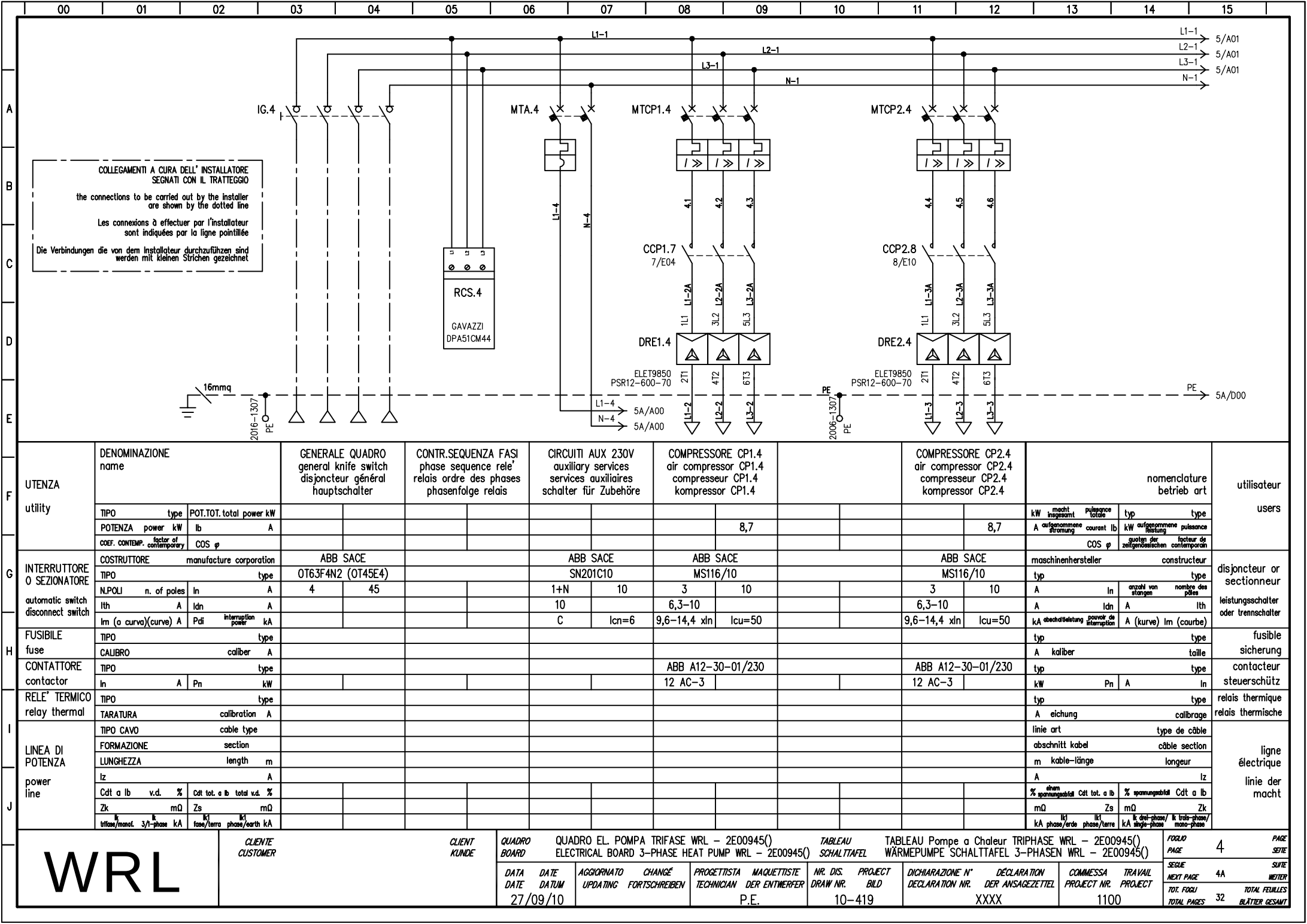
|                        |                     |                      |           |
|------------------------|---------------------|----------------------|-----------|
| WRL                    |                     |                      |           |
| Costruttore            | Manufacturer        | NORMA CEI EN 60335-1 |           |
| COD. ARTICOLO          | Article Code        | 2E009450_01 03/03/11 |           |
| ALIMENTAZIONE          | Power supply        | 3/N/PE - 50 Hz 400V  |           |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 Hz 50 |
| POMPA DI CALORE WRL100 | Heat Pump WRL100    | A Max                | 27,7      |
|                        |                     |                      |           |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x        |
|                        |                     |                      |           |
| NOTE NR. LOTTO=        | Notes               | XXXX                 |           |

|                        |                     |                      |           |
|------------------------|---------------------|----------------------|-----------|
| WRL                    |                     |                      |           |
| Constructeur           | Maschinenhersteller | NORMA CEI EN 60335-1 |           |
| Code Article           | Artikelcode         | 2E009450_01 03/03/11 |           |
| Alimentation           | Stromversorgung     | 3/N/PE - 50 Hz 400V  |           |
| Tension Nominale       | Nennspannung        | V                    | 400 Hz 50 |
| Pompe a Chaleur WRL100 | Wärmepumpe WRL100   | A Max                | 27,7      |
|                        |                     |                      |           |
| 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      | APPROUVÉES  | CONTRÔLÉE     |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                                                                                                                                                      |                 |                                 |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------|------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.            | PROJECT<br>BILD              |
|                                                                                                                                                      |                 | 10-419                          |                              |
| 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           |
| 2E00945                                                                                                                                              |                 | 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                            |                              |





| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name |                           |                         | GENERALE QUADRO<br>general knife switch<br>disjoncteur général<br>hauptschalter |            | CONTR.SEQUENZA FASI<br>phase sequence relé<br>relais ordre des phases<br>phasenfolge relais |    | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |     | COMPRESSORE CP1.4<br>air compressor CP1.4<br>compresseur CP1.4<br>kompressor CP1.4 |          | COMPRESSORE CP2.4<br>air compressor CP2.4<br>compresseur CP2.4<br>kompressor CP2.4 |        | nomenclature<br>betrieb art |                           | utilisateur<br><br>users         |                            |                          |                                              |                     |             |
|----------------------------------------------------------------------------|-----------------------|---------------------------|-------------------------|---------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------|--------|-----------------------------|---------------------------|----------------------------------|----------------------------|--------------------------|----------------------------------------------|---------------------|-------------|
|                                                                            | TIPO                  | type                      | POT.TOT. total power kW |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    |        | kW                          | mach<br>insgesamt         | puissance<br>totale              | typ                        | type                     |                                              |                     |             |
|                                                                            | POTENZA               | power                     | kW                      | lb                                                                              | A          |                                                                                             |    |                                                                                          |     | 8,7                                                                                |          |                                                                                    | 8,7    | 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           |                           |                         | ABB SACE                                                                        |            | ABB SACE                                                                                    |    | ABB SACE                                                                                 |     | ABB SACE                                                                           |          | ABB SACE                                                                           |        | ABB SACE                    |                           | maschinenhersteller              |                            | constructeur             |                                              |                     |             |
|                                                                            | TIPO                  |                           |                         | type                                                                            |            | OT63F4N2 (OT45E4)                                                                           |    | SN201C10                                                                                 |     | MS116/10                                                                           |          | MS116/10                                                                           |        | MS116/10                    |                           | type                             |                            | type                     |                                              |                     |             |
|                                                                            | N.POLI                | n. of poles               | In                      | A                                                                               | 4          | 45                                                                                          |    |                                                                                          | 1+N | 10                                                                                 | 3        | 10                                                                                 |        |                             | 3                         | 10                               | A                          | In                       | anzahl von<br>stangen                        | nombre des<br>pôles |             |
|                                                                            | lth                   | A                         | Idn                     | A                                                                               |            |                                                                                             |    |                                                                                          | 10  |                                                                                    | 6,3-10   |                                                                                    |        |                             | 6,3-10                    |                                  | A                          | Idn                      | A                                            | lth                 |             |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve)   |                           |                         | A                                                                               | Pdi        | interruption<br>power                                                                       | kA |                                                                                          | C   | Icn=6                                                                              | 9,6-14,4 | xIn                                                                                | Icu=50 |                             | 9,6-14,4                  | xIn                              | Icu=50                     | kA                       | abschaltleistung<br>power of<br>interruption | A (kurve)           | Im (courbe) |
|                                                                            | TIPO                  |                           |                         | type                                                                            |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    |        | typ                         |                           | type                             |                            |                          |                                              |                     |             |
|                                                                            | CAUBRO                |                           |                         | caliber                                                                         |            | A                                                                                           |    |                                                                                          |     |                                                                                    |          |                                                                                    |        | A                           |                           | kaliber                          |                            | taille                   |                                              |                     |             |
|                                                                            | TIPO                  |                           |                         | type                                                                            |            |                                                                                             |    |                                                                                          |     | ABB A12-30-01/230                                                                  |          |                                                                                    |        | ABB A12-30-01/230           |                           | typ                              |                            | type                     |                                              |                     |             |
| CONTATTORE<br>contactor                                                    | In                    |                           |                         | A                                                                               | Pn         | kW                                                                                          |    |                                                                                          |     |                                                                                    | 12 AC-3  |                                                                                    |        |                             | 12 AC-3                   |                                  |                            | kW                       | Pn                                           | A                   | In          |
|                                                                            | 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                    |                            |                          |                                              |                     |             |
|                                                                            | LUNGHEZZA             |                           |                         | length                                                                          |            | m                                                                                           |    |                                                                                          |     |                                                                                    |          |                                                                                    |        | m                           |                           | kable-länge                      |                            | longueur                 |                                              |                     |             |
|                                                                            | Iz                    |                           |                         | A                                                                               |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    |        | A                           |                           | Iz                               |                            |                          |                                              |                     |             |
|                                                                            | Cdt a lb              | v.d.                      | %                       | Cdt tot. a lb                                                                   | total v.d. | %                                                                                           |    |                                                                                          |     |                                                                                    |          |                                                                                    |        |                             | ehen<br>% spannungsfaktor | Cdt tot. a lb                    | % spannungsfaktor          | Cdt a lb                 |                                              |                     |             |
|                                                                            | Zk                    |                           | mQ                      | Zs                                                                              |            | mQ                                                                                          |    |                                                                                          |     |                                                                                    |          |                                                                                    |        |                             | mQ                        |                                  | Zs                         | mQ                       | Zk                                           |                     |             |
|                                                                            | Iz                    |                           |                         | A                                                                               |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    |        | A                           |                           | Iz                               |                            |                          |                                              |                     |             |
|                                                                            | Iz                    |                           |                         | A                                                                               |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    |        | A                           |                           | Iz                               |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    | A      |                             | Iz                        |                                  |                            |                          |                                              |                     |             |
| Iz                                                                         |                       |                           | A                       |                                                                                 |            |                                                                                             |    |                                                                                          |     |                                                                                    |          |                                                                                    |        |                             |                           |                                  |                            |                          |                                              |                     |             |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00945()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945()

FOGLIO  
PAGE

4

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  
10-419

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

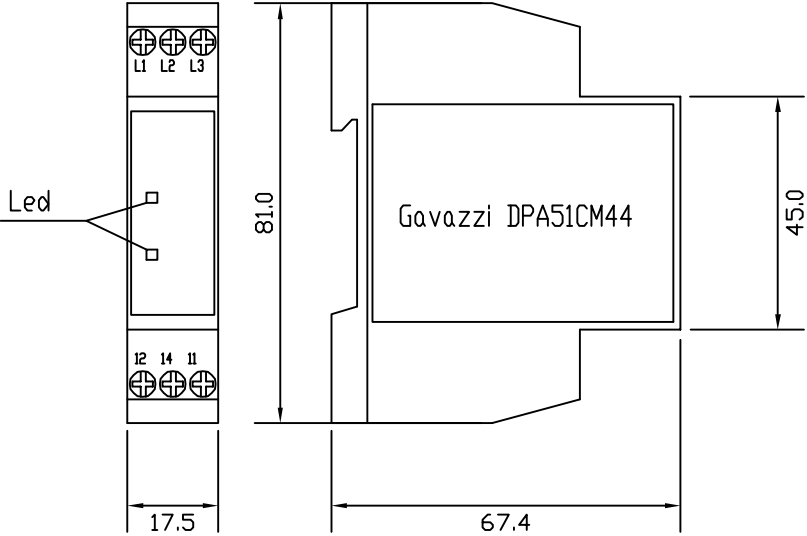
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SUITE  
METER  
TOTAL FEUILLES  
BLATTIER GESAMT



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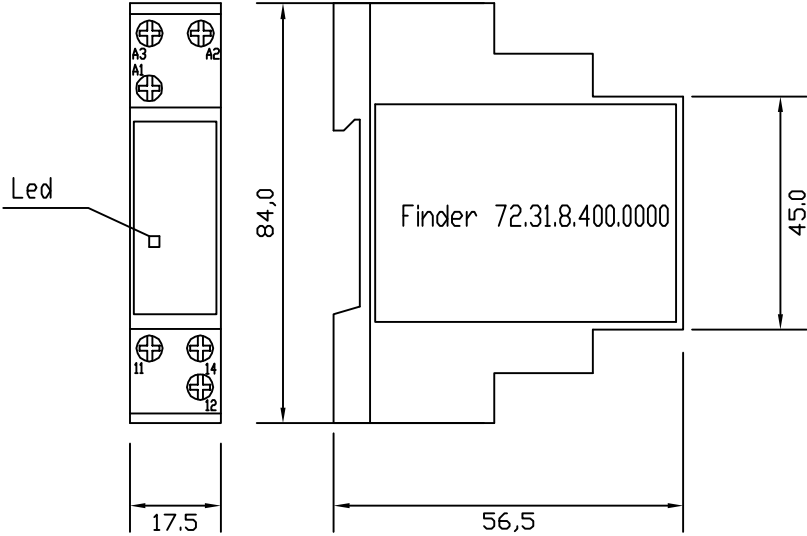
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L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



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

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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

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00945()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945()

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AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-419

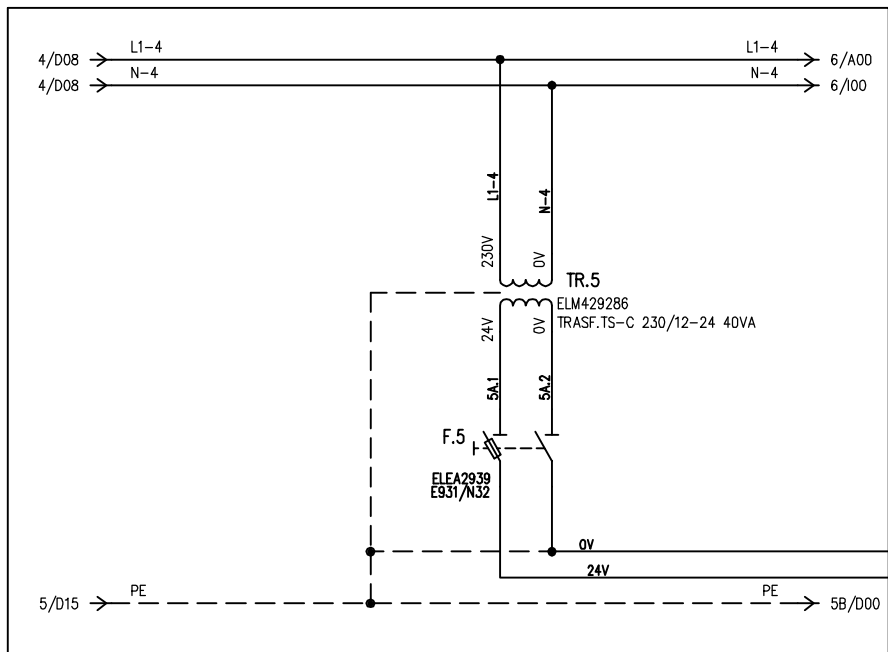
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DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

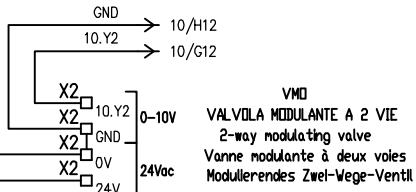
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TOTAL PAGES 32 BLATTIER GESAMT

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       |                               |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     |                           |                                    |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|--------------------------------------|--------------------|----------|------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------|------------------------------------|-------------------------------------|-----------------------------------------|-----------------------------------------------|--|-----------------|--|-----------------------------------|--|---------------------------------|--|---------------------------|--|--------------------|--|-----------------------------------|--|----|--|----------------|--|
|   | 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 01                                    | 02                            | 03                                   | 04                 | 05       | 06               | 07                                                                                      | 08                                                                                             | 09                                                                                      | 10                     | 11                                                                                      | 12                                                                                                 | 13                                  | 14                        | 15                                 |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
| A | <div><div><div>4/A15 → L1-1<br/>4/A15 → L2-1<br/>4/A15 → L3-1</div><div>MTMPO.5</div><div><div>L1-5<br/>L2-5<br/>L3-5</div><div><div>MP01.5<br/>POMPA STANDARD<br/>Standard pump<br/>Pompe standard<br/>Pump standard</div><div>MP01.5<br/>POMPA MAGGIORATA<br/>Increased pump<br/>Pompe avec augmentation<br/>Pump Erhöhten Volumenstrom</div><div>MP01.5<br/>POMPA INVERTER<br/>Inverter pump<br/>Pompe Inverter<br/>Inverter pump</div></div><div><div>L1-5 → 5B/A01<br/>L2-5 → 5B/A01<br/>L3-5 → 5B/A01</div><div><div>CMP01.7<br/>7/E02</div><div><div>L1-6<br/>L2-6<br/>L3-6</div><div>MP01.5<br/>M</div><div>OPZIONALE<br/>optional<br/>optionnel<br/>optionales</div></div><div><div>L1-6<br/>L2-6<br/>L3-6</div><div>MP01.5<br/>M</div><div>OPZIONALE<br/>optional<br/>optionnel<br/>optionales</div></div><div><div>L1-6<br/>L2-6<br/>L3-6</div><div>MP01.5<br/>M</div><div>OPZIONALE<br/>optional<br/>optionnel<br/>optionales</div><div>SEGNALI 0-10V<br/>signal 0-10V<br/>signal 0-10V<br/>signal 0-10V<br/>10.Y2 → 10/D04<br/>GND → 10/D04<br/>10.D14 → 10/E04<br/>10.2 → 10/E04<br/>CATENA SICUREZZE<br/>thermal emergencies<br/>thermiques sécurité<br/>sicherheit spannungsreihe</div></div></div></div></div></div></div> |                                       |                               |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     |                           |                                    |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
| F | UTENZA<br>utility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DENOMINAZIONE<br>name                 |                               | MOTOPOMPE<br>pumps<br>pompe<br>pumpe |                    |          |                  | 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>users               |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TIPO type                             | POT.TOT. total power kW       |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | kW<br>A                   | machte<br>aufgenommene<br>stromung | puissance<br>courant lb<br>leistung | typ<br>kW<br>A                          | type<br>aufgenommene<br>puissance<br>leistung |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | POTENZA power kW                      | lb                            | A                                    |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     |                           |                                    |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | COEF. CONTEMP. factor of contemporary | COS φ                         |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     |                           | COS φ                              |                                     |                                         | facteur de contemporanéité                    |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
| G | INTERRUTTORE O SEZIONATORE<br>automatic switch<br>disconnect switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | COSTRUTTORE manufacture corporation   |                               | ABB SACE                             |                    | ABB SACE |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    | maschinenhersteller<br>constructeur |                           | disjoncteur or<br>sectionneur      |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TIPO type                             |                               | S203                                 |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    | typ type                            |                           | type                               |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N.POLI n. of poles                    | ln                            | A                                    | 3                  | 16       |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | A                         | ln                                 | anzahl von stromen                  | nombre des poles                        |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | lth                                   | A                             | ldn                                  | A                  | 16       |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | A                         | ldn                                | A                                   | lth                                     |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Im (o curva)(curve)                   | A                             | Pdi                                  | interruption power | kA       | C                | lcn=6                                                                                   |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | kA                        | abschaltleistung                   | pouvoir de interruption             | A (kurve) Im (courbe)                   |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
| H | FUSIBILE<br>fuse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TIPO type                             |                               |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | typ                       | type                               |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CAUBRO                                | caliber                       |                                      | A                  |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | A                         | taille                             |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   | CONTATTORE<br>contactor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TIPO type                             |                               |                                      |                    |          | ABB A9-30-10/230 |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | typ                       | type                               |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ln                                    | A                             | Pn                                   | kW                 |          | 9 AC-3           |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | kW                        | Pn                                 | A                                   | ln                                      |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
| I | RELE' TERMICO<br>relay thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TIPO type                             |                               |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | typ                       | type                               |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TARATURA                              | calibration                   |                                      | A                  |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | A                         | calibrage                          |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
| J | LINEA DI POTENZA<br>power line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TIPO CAVO cable type                  |                               |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | linie art                 | type de câble                      |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FORMAZIONE section                    |                               |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | abschnitt kabel           | câble section                      |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LUNGHEZZA length                      | m                             |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | m                         | kable-länge                        |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | lz                                    | A                             |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | A                         | lz                                 |                                     |                                         |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cdt a lb v.d. %                       | Cdt tot. a lb total v.d. %    |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     |                           | % einphasig                        | Cdt tot. a lb                       | % spannungsbil                          | Cdt a lb                                      |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Zk mQ                                 | Zs mQ                         |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     |                           | mQ                                 | Zs                                  | mQ                                      | Zk                                            |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | lk1 phase/phase 3/1-phase kA          | lk1 fase/terro phase/earth kA |                                      |                    |          |                  |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     |                           | kA phase/terro                     | lk1 phase/terro                     | lk1 drei-phase/ trois-phase/ mono-phase |                                               |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   | WRL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       | CLIENTE<br>CUSTOMER           |                                      | CLIENT<br>KUNDE    |          | QUADRO<br>BOARD  |                                                                                         | QUADRO EL. POMPA TRIFASE WRL - 2E00945()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945() |                                                                                         | TABLEAU<br>SCHALTAFEL  |                                                                                         | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945() |                                     | FOLIO<br>PAGE             |                                    | 5                                   |                                         | PAGE<br>SEITE                                 |  |                 |  |                                   |  |                                 |  |                           |  |                    |  |                                   |  |    |  |                |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       |                               |                                      |                    |          | 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 |  | DICHIAZIONE N°<br>DECLARATION NR. |  | DÉCLARATION<br>DER ANSAGEZETTEL |  | COMMESSA<br>PROJECT NR.   |  | TRAVAIL<br>PROJECT |  | SEGUE<br>NEXT PAGE                |  | 5A |  | SUITE<br>METER |  |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       |                               |                                      |                    |          | 27/09/10         |                                                                                         |                                                                                                |                                                                                         |                        |                                                                                         |                                                                                                    |                                     | P.E.                      |                                    | 10-419                              |                                         |                                               |  | XXXX            |  | 1100                              |  |                                 |  | TOT. FOLII<br>TOTAL PAGES |  | 32                 |  | TOTAL FEUILLES<br>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                                 |                                                   | 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)            |                            |                                       |                |
|                                                                            | 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>steuerschütz            |                |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | typ                                 |                                                   | type                             |                            |                                       |                |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | typ                                 |                                                   | type                             |                            |                                       |                |
|                                                                            | TIPO                                   | type                      |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | typ                                 |                                                   | type                             |                            |                                       |                |
| RELE' TERMICO<br>relay thermal                                             | TARATURA<br>calibration                |                           |                         | A                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | A                                   |                                                   | eichung<br>calibrage             |                            | relais thermique<br>relais thermische |                |
|                                                                            | TIPO CAVO                              | cable type                |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | linie art                           |                                                   | type de câble                    |                            |                                       |                |
|                                                                            | FORMAZIONE                             | section                   |                         |                                                                                         |            |                                                                                    |             |    |  |  |  |  |  | abschnitt kabel                     |                                                   | câble section                    |                            |                                       |                |
|                                                                            | LUNGHEZZA                              | length                    |                         | m                                                                                       |            |                                                                                    |             |    |  |  |  |  |  | m                                   |                                                   | kable-länge<br>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.            | 3/1-phase               | kA                                                                                      | Ik         | fase/terza                                                                         | phase/earth | kA |  |  |  |  |  | kA                                  | trifase/monof.                                    | 3/1-phase                        | kA                         | Ik                                    | trifase/monof. |
|                                                                            | Ik                                     | trifase/monof.            | 3/1-phase               | kA                                                                                      | Ik         | fase/terza                                                                         | phase/earth | kA |  |  |  |  |  | kA                                  | trifase/monof.                                    | 3/1-phase                        | kA                         | Ik                                    | trifase/monof. |
|                                                                            | Ik                                     | trifase/monof.            | 3/1-phase               | kA                                                                                      | Ik         | fase/terza                                                                         | phase/earth | kA |  |  |  |  |  | kA                                  | trifase/monof.                                    | 3/1-phase                        | kA                         | Ik                                    | trifase/monof. |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00945()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945()

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

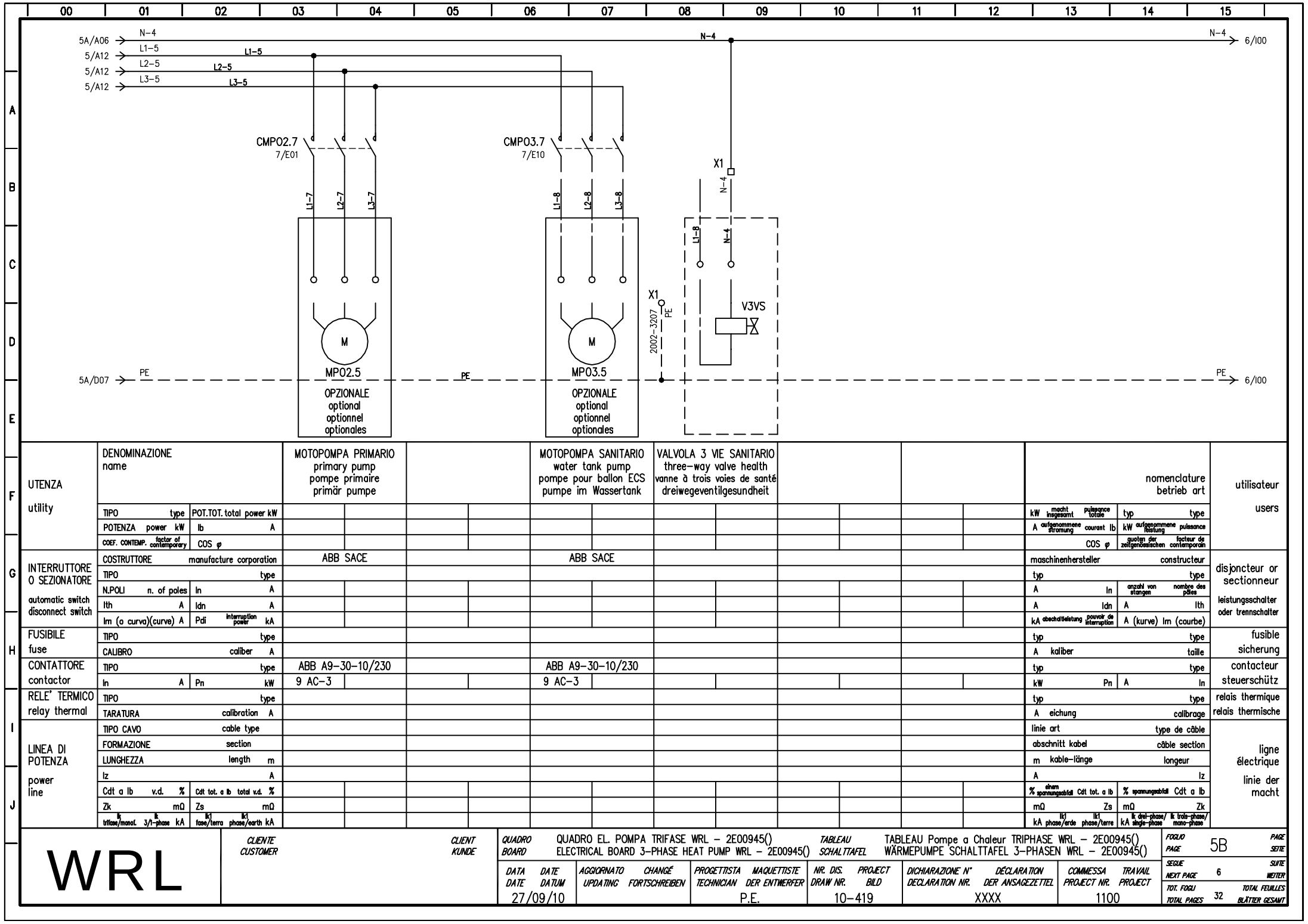
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10-419

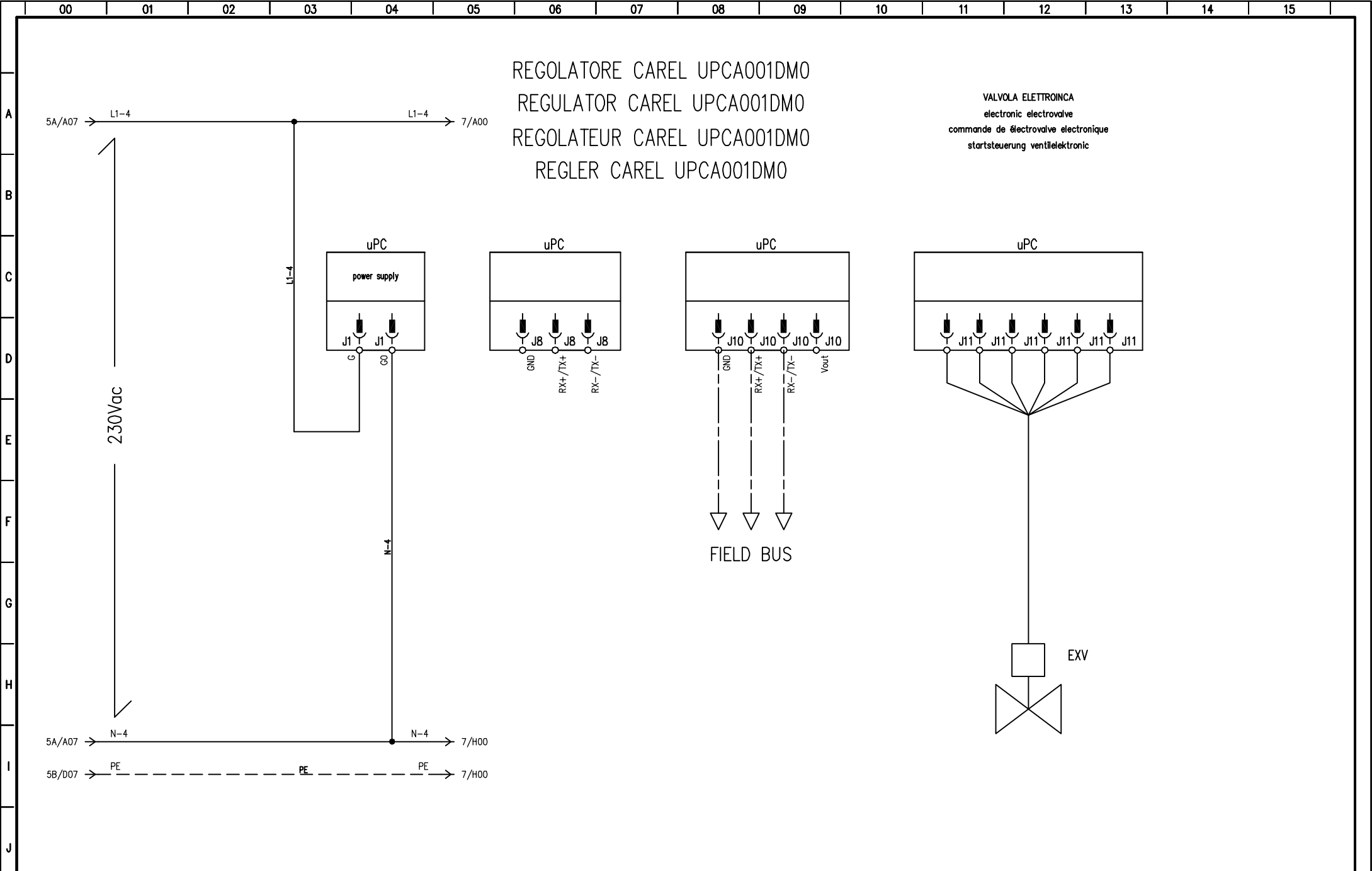
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COMMESSA TRAVAIL  
PROJECT PROJECT  
1100

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METER  
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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 - 2E00945()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945()

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AGGIORNATO  
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CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

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PROJECT  
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DECLARATION NR.

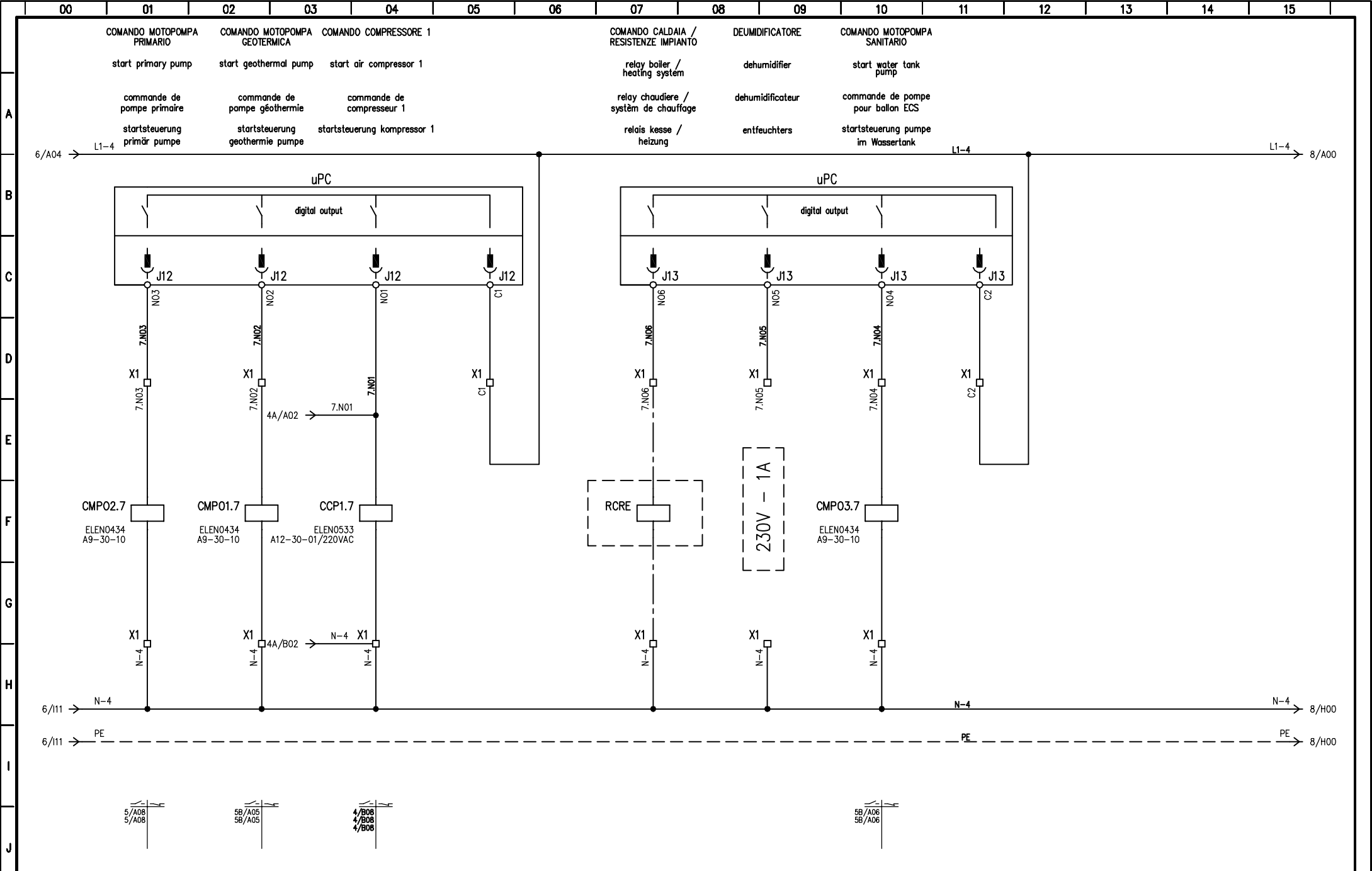
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PROJECT NR.

TRAVAIL  
PROJECT

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TOTAL FEUILLES

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TOTAL PAGES  
BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00945()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945()

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PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

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PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR. XXXX

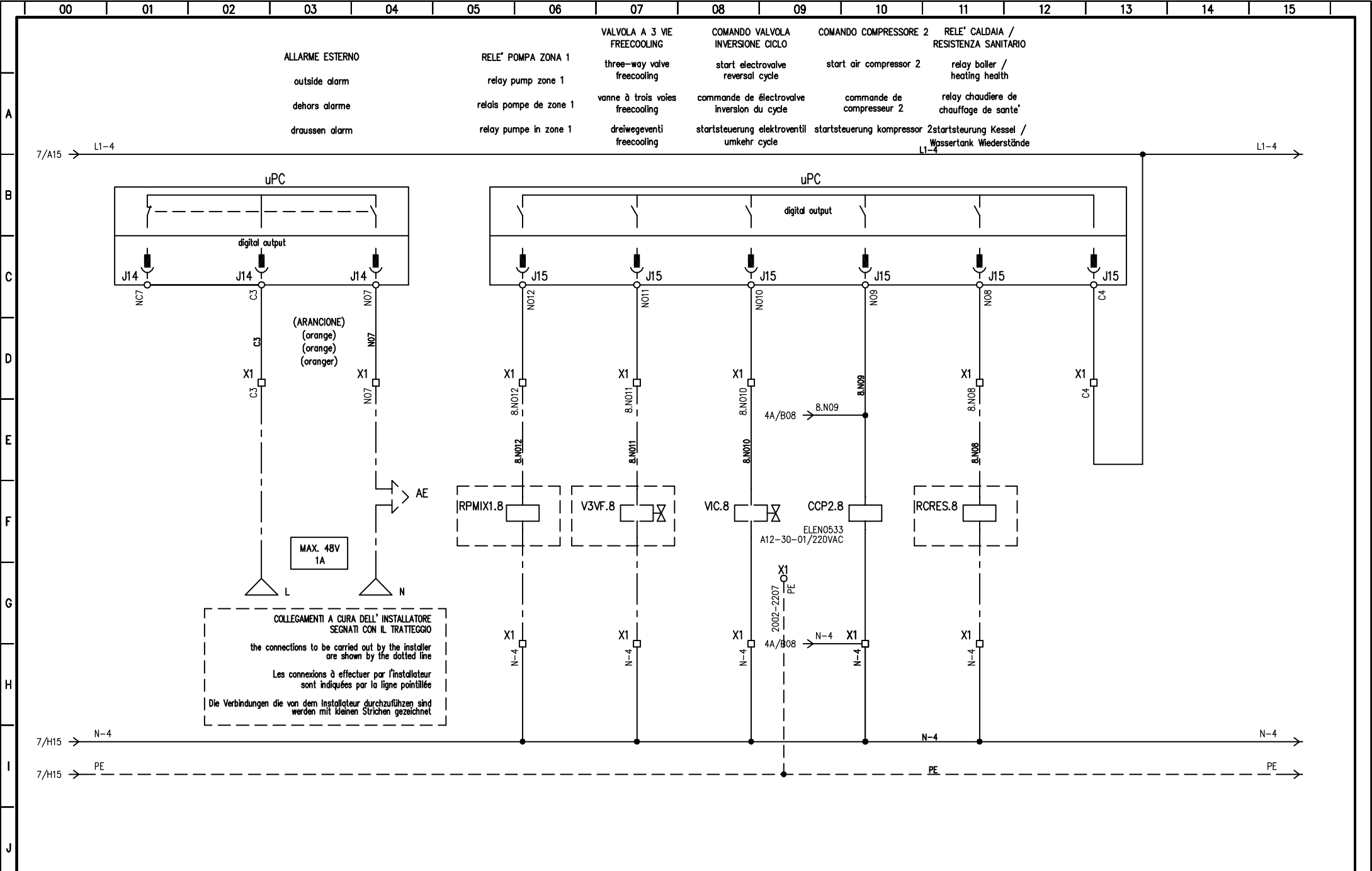
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PROJECT NR. 1100

TRAVAIL  
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BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00945()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945()

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PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
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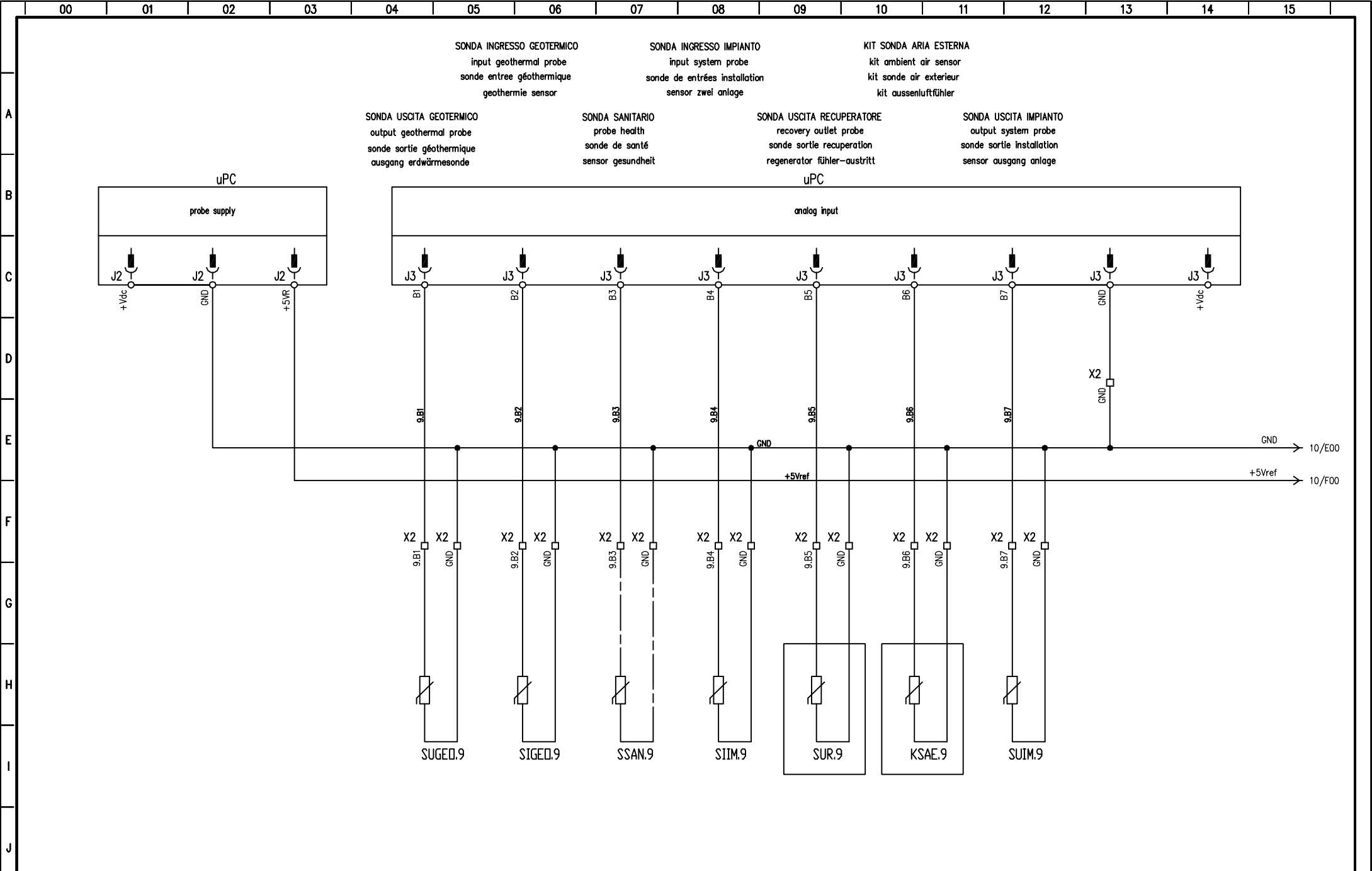
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PROJECT NR. PROJECT  
1100

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TOTAL FEUILLES  
32

TOTAL PAGES  
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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00945()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945()

FOGLIO  
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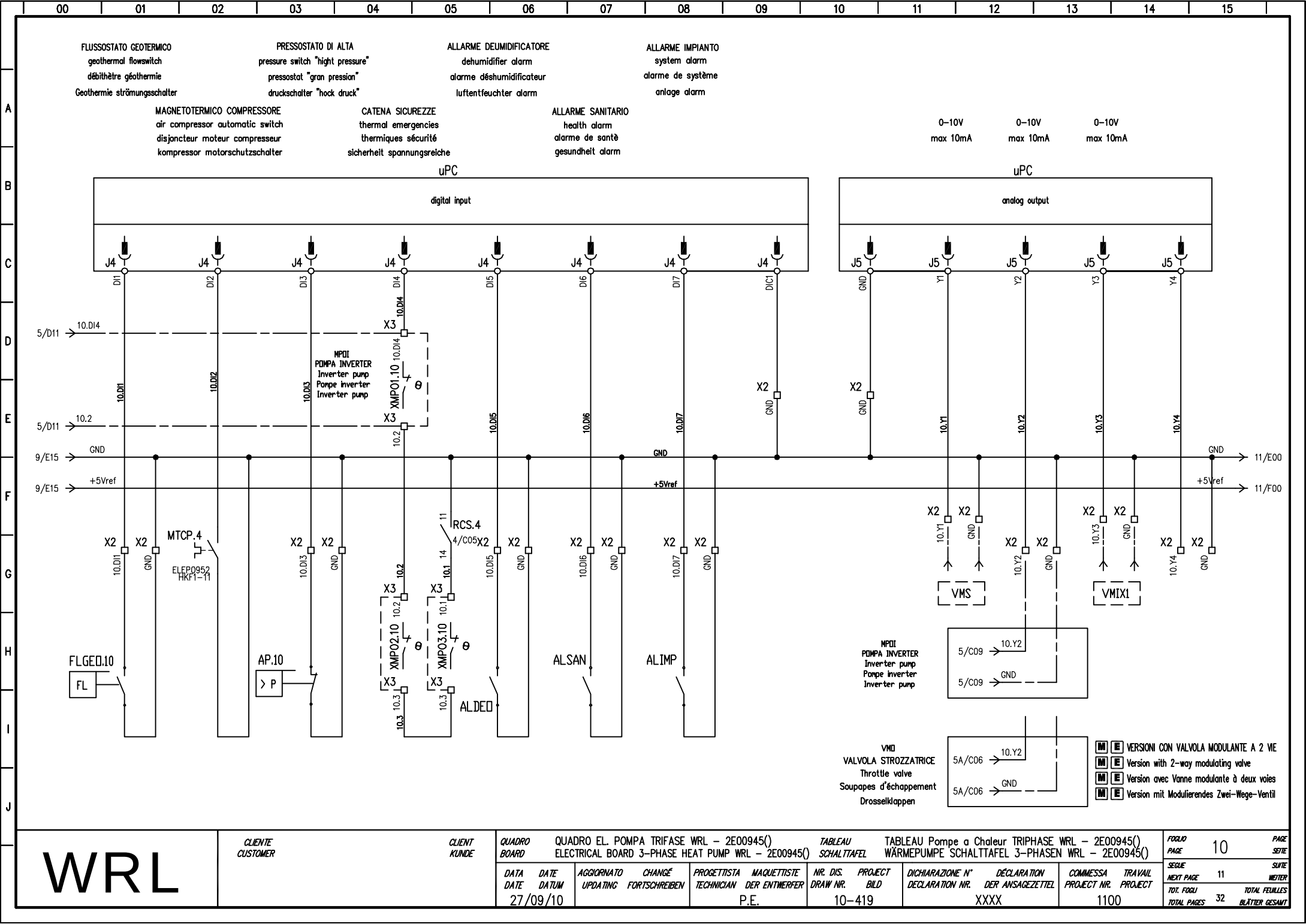
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TECHNICIAN DER ENTWERFER

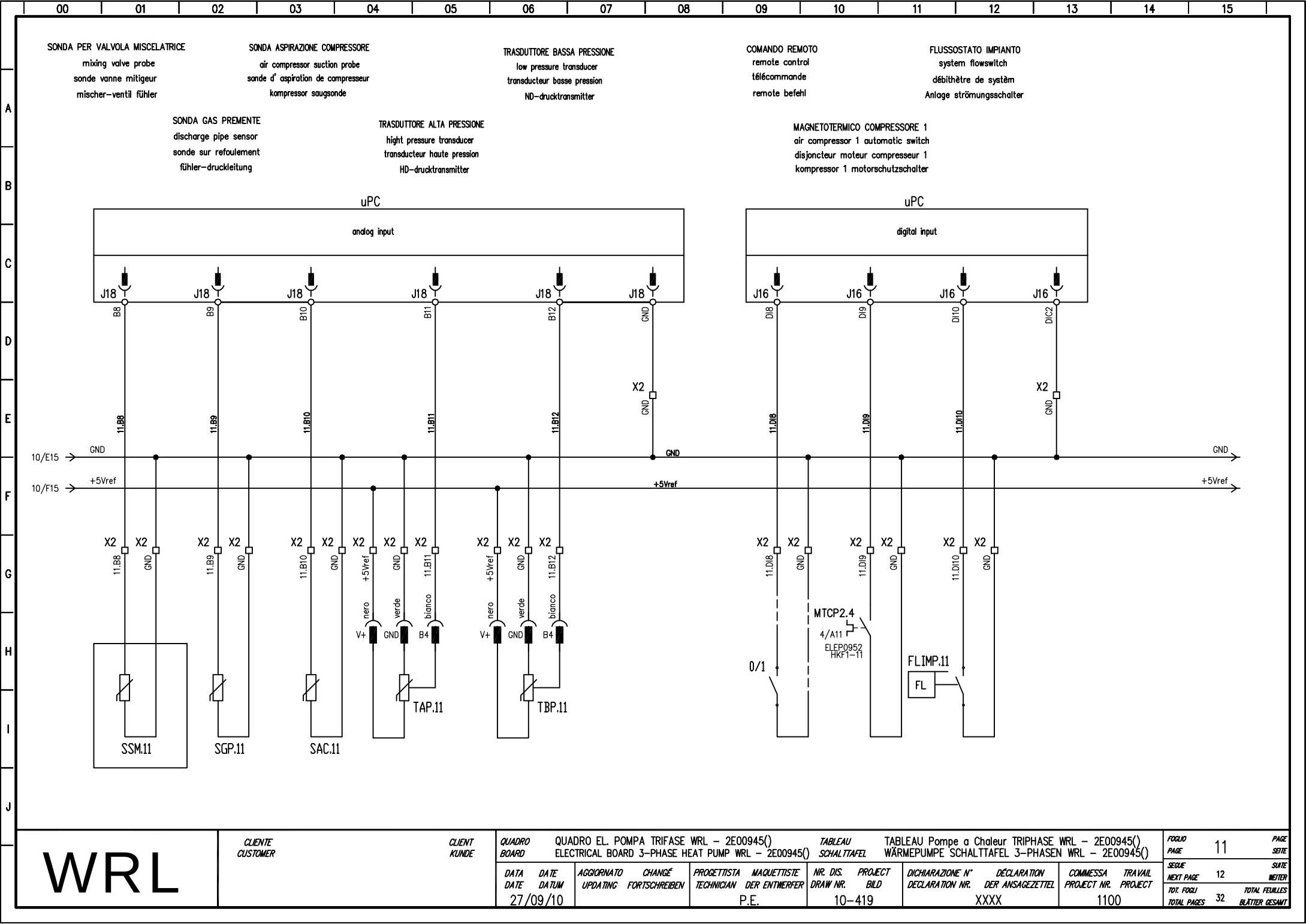
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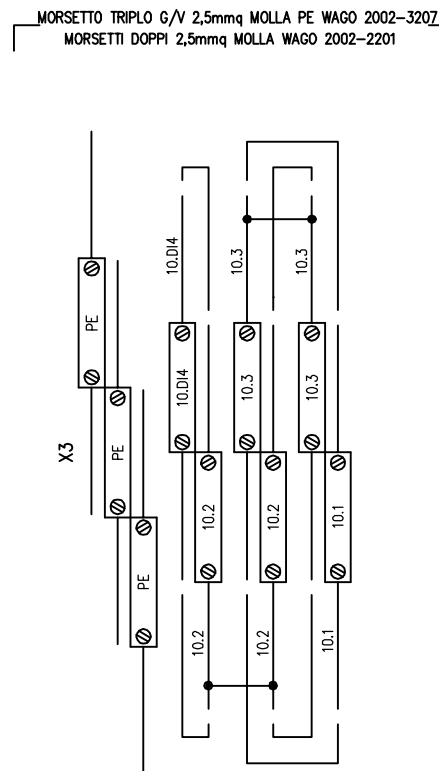
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PROJECT NR. PROJECT  
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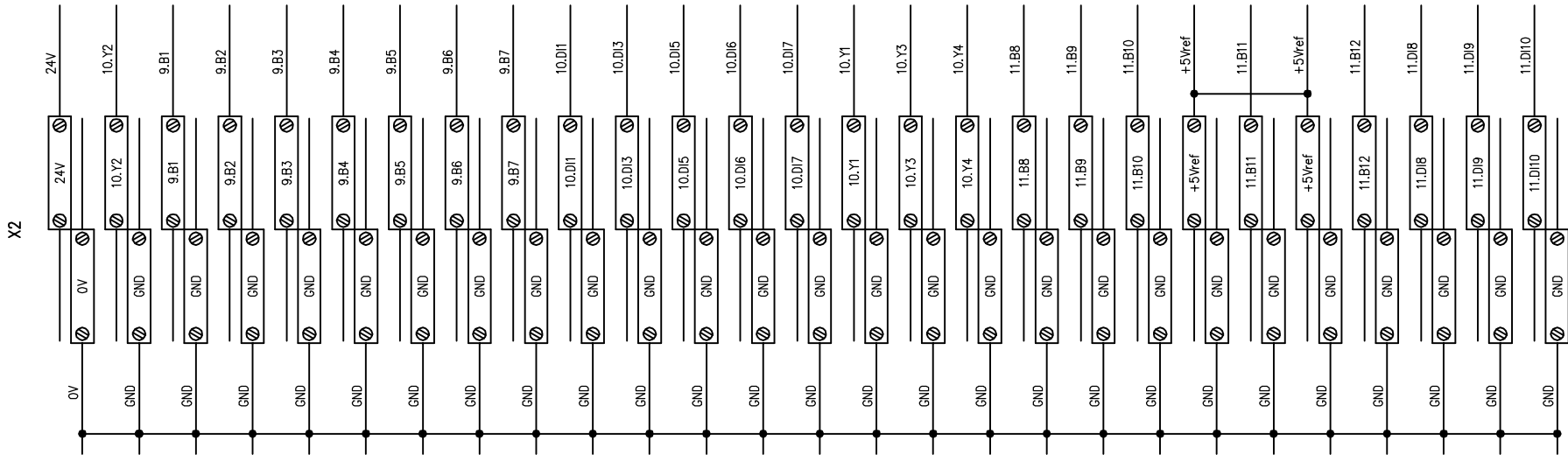
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MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

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CUSTOMER

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KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00945()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945()

TABE  
SCHALT

TABE  
SCHALT

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TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
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PROJECT  
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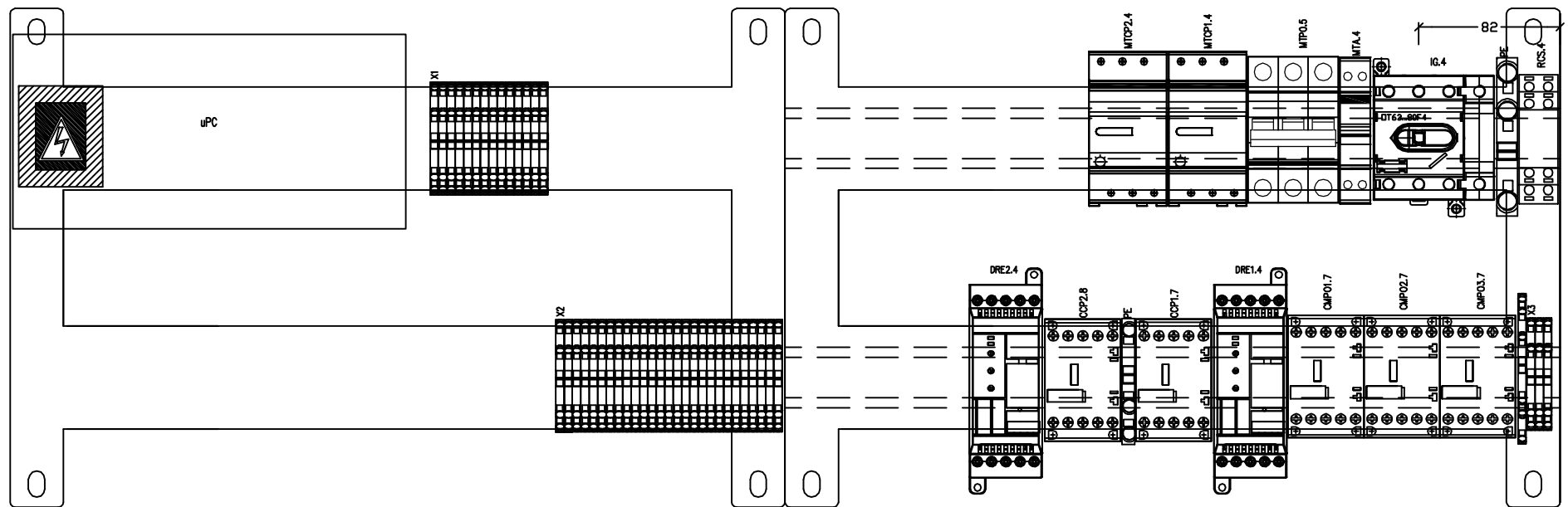
32

TOTAL FEUILLES  
BLÄTTER GESAMT

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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



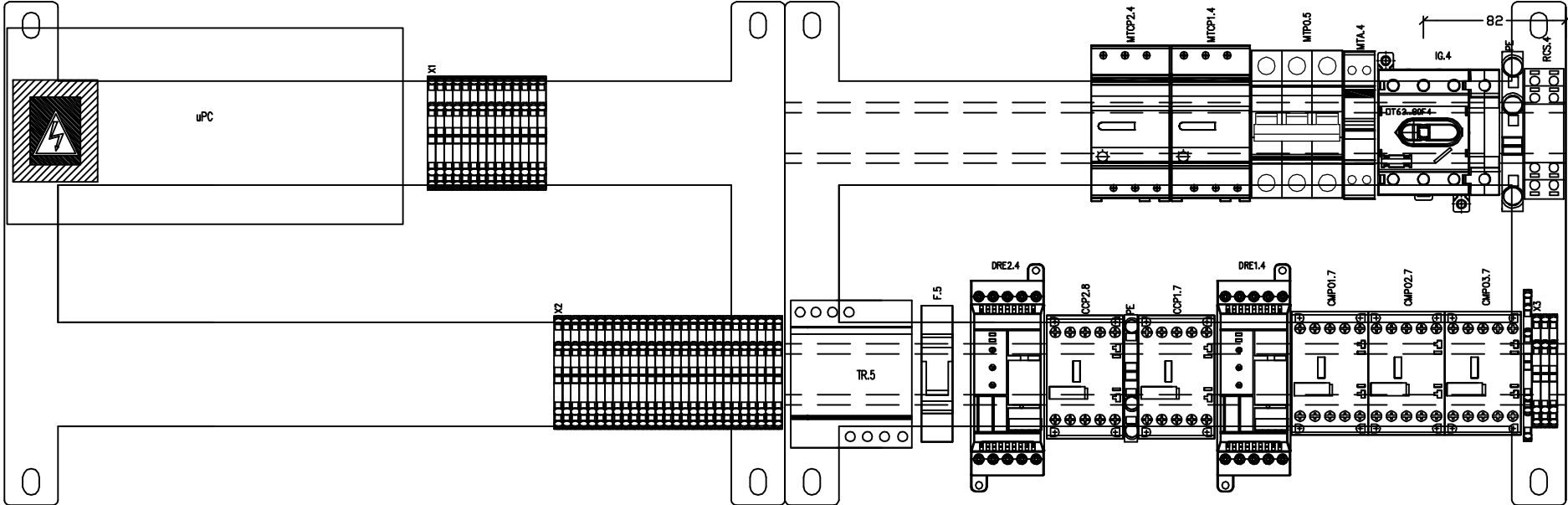
- ☐ QUADRO DI SERIE
- ☐ Standard Board
- ☐ Tableau standard
- ☐ serienmäßig schalttafel

WRL

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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                                                                              |

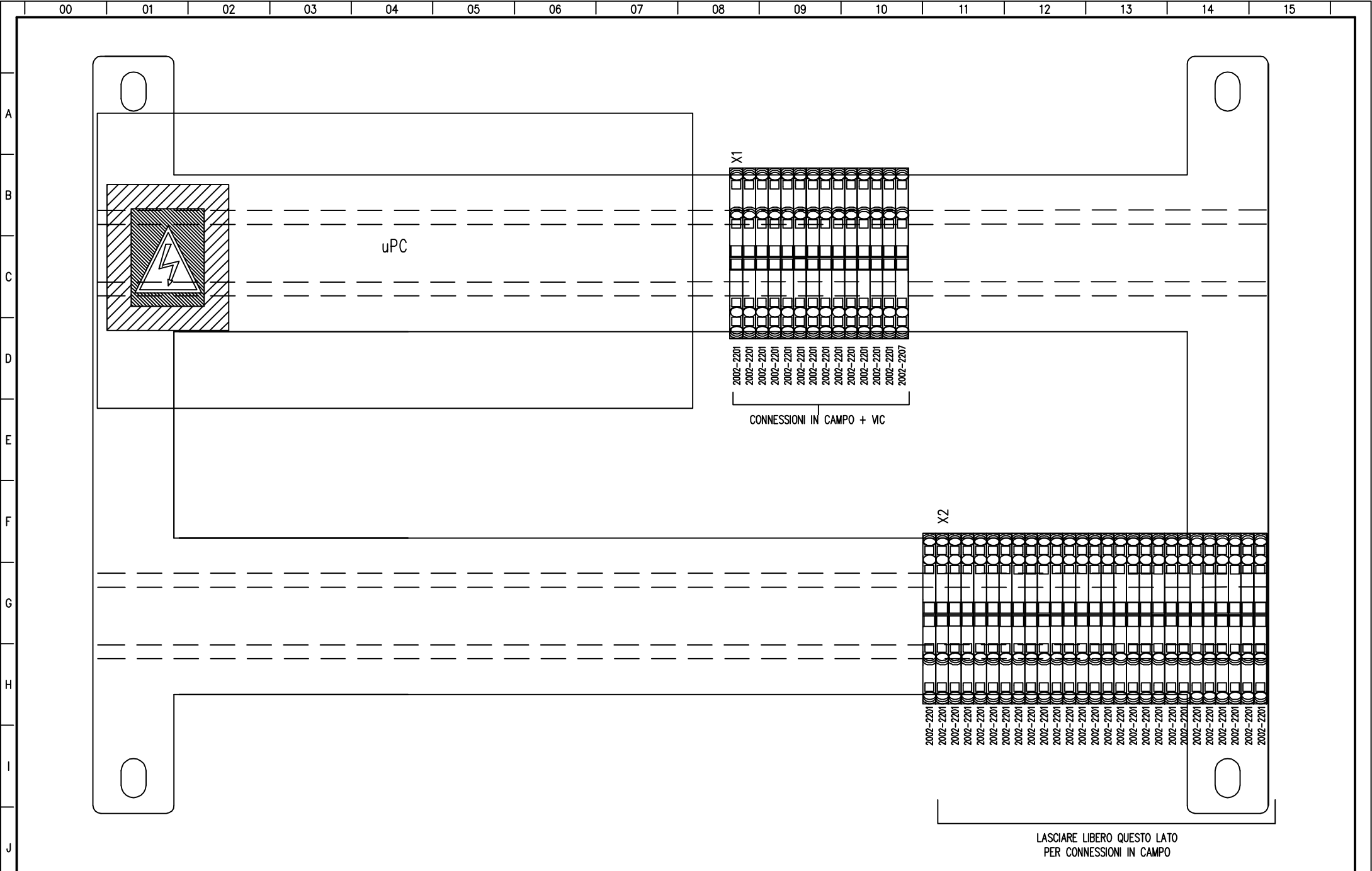
VISTA INTERNA  
fore sight internal  
vue extérieur  
innenansicht



☒ VERSIONE CON 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



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00945()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00945()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945()

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AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR. 10-419

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR. XXXX

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR. 1100

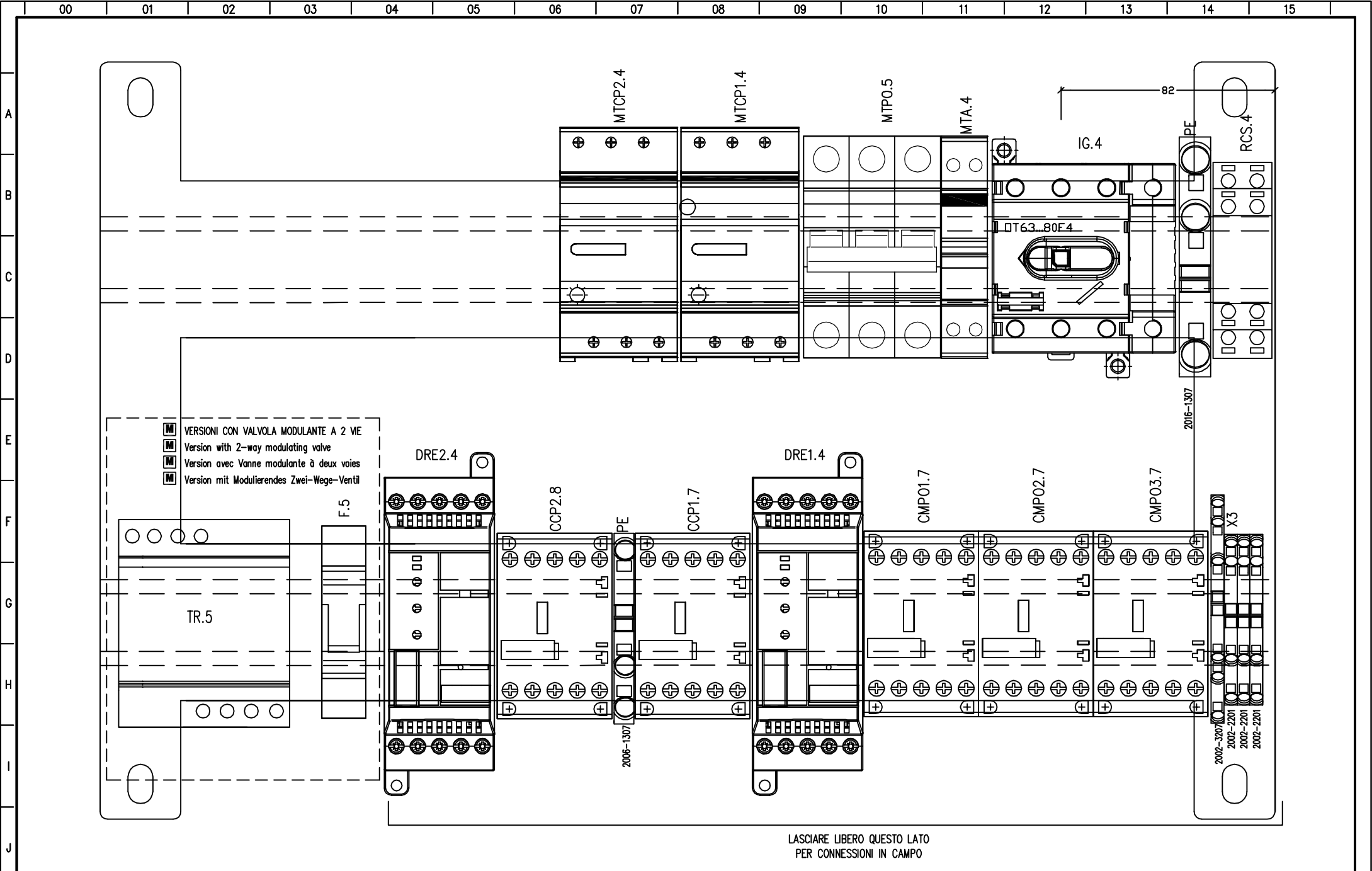
TRAVAIL  
PROJECT

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TOTAL PAGES 32

TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

|                     |                 |                                   |               |                                 |                         |                                                                                                    |                              |                      |                 |                    |               |  |  |
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| CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO<br>BOARD                   |               | TABLEAU<br>SCHALTAFEL           |                         | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00945()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00945() |                              | Foglio<br>PAGE       |                 | 14C                | 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 |                    |               |  |  |
|                     |                 | 27/09/10                          |               |                                 |                         | P.E.                                                                                               |                              | 10-419               |                 |                    |               |  |  |
|                     |                 | DICHIAZIONE N°<br>DECLARATION NR. |               | DÉCLARATION<br>DER ANSAGEZETTEL |                         | COMMESSA<br>PROJECT NR.                                                                            |                              | TRAVAIL<br>PROJECT   |                 | SUIVE<br>NEXT PAGE |               |  |  |
|                     |                 | XXXX                              |               |                                 |                         | 1100                                                                                               |                              |                      |                 | 15                 |               |  |  |
|                     |                 | TOT. FOGLI<br>TOTAL PAGES         |               | 32                              |                         | TOTAL FEUILLES<br>BLÄTTER GESAMT                                                                   |                              |                      |                 |                    |               |  |  |

|                                                       |            |           |        |
|-------------------------------------------------------|------------|-----------|--------|
| POMPA TRIFASE                                         |            |           | WRL100 |
| Quadro elettrico                                      |            | REV       |        |
| cod.                                                  | 2E00946    | 1         |        |
| cod.                                                  | 2E00946A   | 1         | A      |
| cod.                                                  | 2E00946M   | 1         | M      |
| cod.                                                  | 2E00946E   | 1         | E      |
|                                                       |            |           |        |
| rif.                                                  | 2E00789A_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"/> 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 |

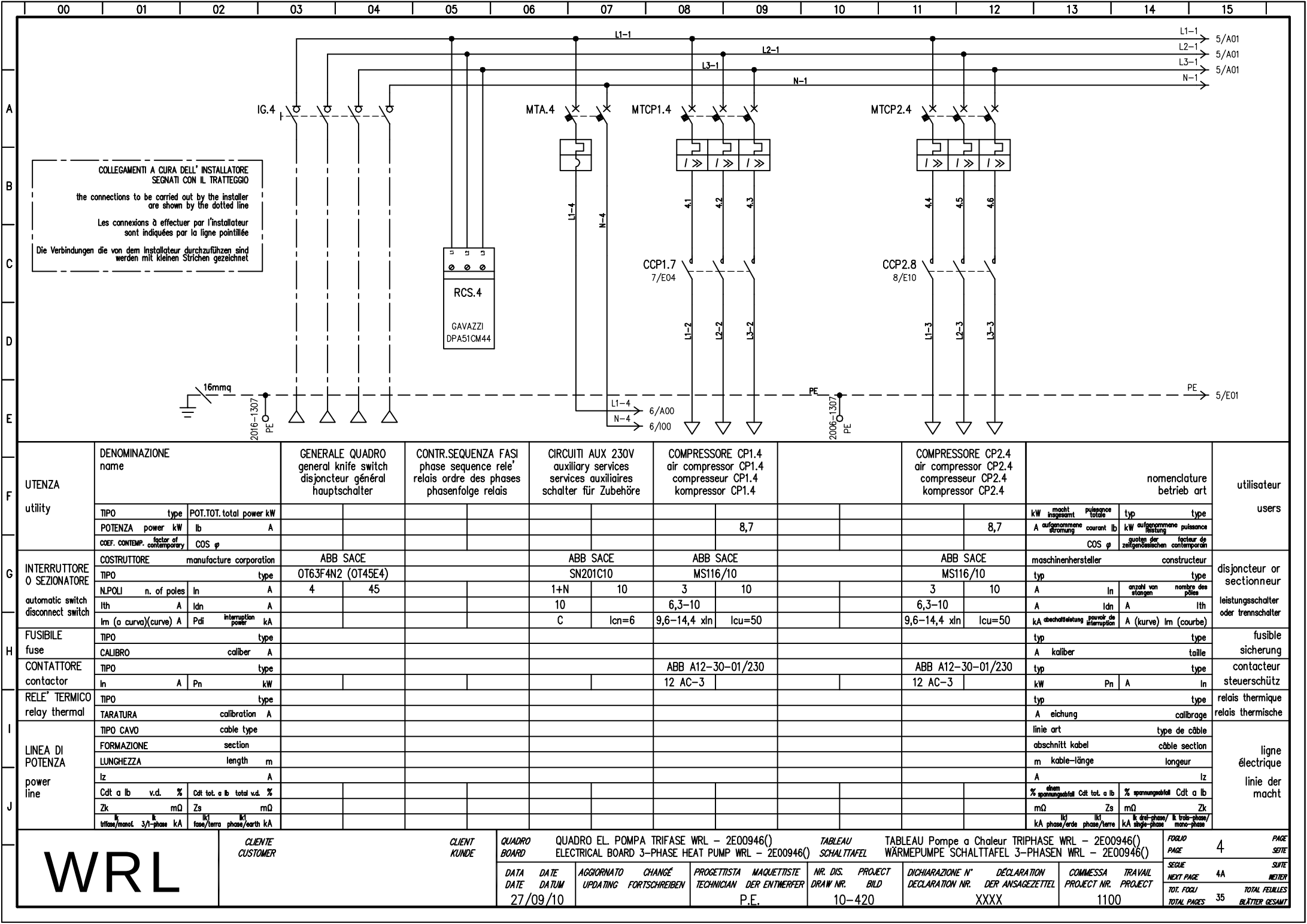
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| WRL                    |  |                     |  |
| COSTRUTTORE            |  | Manufacturer        |  |
| COD. ARTICOLO          |  | Article Code        |  |
| ALIMENTAZIONE          |  | Power supply        |  |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  |
| POMPA DI CALORE WRL100 |  | Heat Pump WRL100    |  |
| GRADO DI PROTEZIONE    |  | Level of protection |  |
| NOTE: NR. LOTTO=       |  | Notes               |  |

|                        |  |                     |  |
|------------------------|--|---------------------|--|
| WRL                    |  |                     |  |
| Constructeur           |  | Maschinenhersteller |  |
| Code Article           |  | Artikelcode         |  |
| Alimentation           |  | Stromversorgung     |  |
| Tension Nominale       |  | Nennspannung        |  |
| Pompe a Chaleur WRL100 |  | Wärmepumpe WRL100   |  |
| Degré de protection    |  | Schutzgrad          |  |
| Note                   |  | Anmerkungen         |  |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| 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 |

|                                                                                                                                                      |                 |                              |                              |
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| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD              |
|                                                                                                                                                      |                 | 10-420                       |                              |
| 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           |
| 2E00946                                                                                                                                              |                 | 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 |                              |
|                                                                                                                                                      |                 | XXXX                         |                              |

|   | 00                                                                                                                                                                                                                                                                                                                                                                                         | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                        | 08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 09                                                                                                                                                                                                                                                               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|   | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                        | DEUTSCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ENGLISH |               | FRANCAIS |    | DEUTSCH |    |
| 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 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<br>softstarter<br>fuse<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>magneto-thermic pump<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                                                                                                                                                                                                                                                                                 | 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>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                                                                                                                                                                                                                                                                | 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 | 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>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>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 |         |               |          |    |         |    |
| 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 | governor-cut phase clamps<br>signal clamps<br>auxiliary services magneto-thermal<br>magneto-thermic pump<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>Transformer<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 | 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 voies<br>Modulation de la santé valve<br>Vanne de zone de mélange 1<br>électrovalve injection de liquide<br>électrovalve economizer | hackdruckrelais<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 gebläse<br>dreiwegeventil freecooling<br>dreiwegeventil 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                                             | MPDI-B<br>MPDI-U<br>MPDI<br>COMPONENTI FORNITI<br>COME OPTIONAL<br>COMPONENTI<br>NON FORNITI<br>COLLEGAMENTI<br>DA ESEGUIRE IN CANTIERE                                                | POMPA STANDARD<br>POMPA MAGGIORATA<br>POMPA INVERTER<br>Standard pump<br>Increased pump<br>Inverter pump<br>components supplied<br>as an option<br>components<br>not supplied<br>connections to be<br>made in field                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pompe standard<br>Pompe avec augmentation<br>Pompe inverter<br>composants fournis<br>en option<br>composants<br>non fournis<br>connexions à effectuer<br>sur le site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Pump standard<br>Pump Erhöhten Volumenstrom<br>Inverter pump<br>Komponenten geliefert<br>als Option<br>Komponenten nicht<br>in Lieferumfang enthalten<br>anschlüsse auf ort<br>vorgenommen werden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |               |          |    |         |    |
| C | WRL                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CLIENT<br>KUNDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QUADRO<br>BOARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | QUADRO EL. POMPA TRIFASE WRL - 2E00946()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946()                                                                                         | TABLEAU<br>SCHALTТАFEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00946()<br>WÄRMEPUMPE SCHALTТАFEL 3-PHASEN WRL - 2E00946()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FOGLIO<br>PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2       | PAGE<br>SEITE |          |    |         |    |
| D | WRL                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CLIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                      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|                                                                        |                                        |                           |                                                                                 |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     |                                     |                                |                                                                          |
|------------------------------------------------------------------------|----------------------------------------|---------------------------|---------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------|-----|-------------------------------------|--------------------------------|--------------------------------------------------------------------------|
| UTENZA<br>utility                                                      | DENOMINAZIONE<br>name                  |                           | GENERALE QUADRO<br>general knife switch<br>disjoncteur général<br>hauptschalter |              | CONTR.SEQUENZA FASI<br>phase sequence relé<br>relais ordre des phases<br>phasenfolge relais |    | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |    | COMPRESSORE CP1.4<br>air compressor CP1.4<br>compresseur CP1.4<br>kompressor CP1.4 |    | COMPRESSORE CP2.4<br>air compressor CP2.4<br>compresseur CP2.4<br>kompressor CP2.4 |     | nomenclature<br>betrieb art         |                                | utilisateur<br>users                                                     |
|                                                                        | TIPO                                   | type                      | POT.TOT. total power kW                                                         |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | kW                                  | macht<br>insgesamt             |                                                                          |
|                                                                        | POTENZA                                | power kW                  | lb                                                                              | A            |                                                                                             |    |                                                                                          |    | 8,7                                                                                |    |                                                                                    | 8,7 | A                                   | aufgenommene<br>stromung       |                                                                          |
|                                                                        | COEF. CONTEMP.                         | factor of<br>contemporary | COS φ                                                                           |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | COS φ                               | zeitgleichzeitigen<br>leistung |                                                                          |
| INTERRUTTORE<br>O SEZIONATORE<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<br>leistungsschalter<br>oder trennschalter |
|                                                                        | TIPO                                   | type                      | OT63F4N2 (OT45E4)                                                               |              | SN201C10                                                                                    |    | MS116/10                                                                                 |    | MS116/10                                                                           |    | MS116/10                                                                           |     | typ                                 | type                           |                                                                          |
|                                                                        | N.POLI                                 | n. of poles               | In                                                                              | A            | 4                                                                                           | 45 | 1+N                                                                                      | 10 | 3                                                                                  | 10 | 3                                                                                  | 10  | A                                   | In                             |                                                                          |
|                                                                        | lth                                    | A                         | Idn                                                                             | A            |                                                                                             |    | 10                                                                                       |    | 6,3-10                                                                             |    | 6,3-10                                                                             |     | A                                   | Idn                            |                                                                          |
| FUSIBILE<br>fuse                                                       | TIPO                                   | type                      |                                                                                 |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | typ                                 | type                           | fusible<br>sicherung                                                     |
|                                                                        | CALIBRO                                | caliber                   | A                                                                               |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | A                                   | kaliber                        |                                                                          |
|                                                                        | TIPO                                   | type                      |                                                                                 |              |                                                                                             |    |                                                                                          |    | ABB A12-30-01/230                                                                  |    | ABB A12-30-01/230                                                                  |     | typ                                 | type                           |                                                                          |
|                                                                        | In                                     | A                         | Pn                                                                              | kW           |                                                                                             |    |                                                                                          |    | 12 AC-3                                                                            |    | 12 AC-3                                                                            |     | kW                                  | Pn                             |                                                                          |
| CONTATTORE<br>contactor                                                | TIPO                                   | type                      |                                                                                 |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | typ                                 | type                           | contacteur<br>steuerschütz                                               |
|                                                                        | In                                     | A                         | Pn                                                                              | kW           |                                                                                             |    |                                                                                          |    | 12 AC-3                                                                            |    | 12 AC-3                                                                            |     | kW                                  | Pn                             |                                                                          |
|                                                                        | TIPO                                   | type                      |                                                                                 |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | typ                                 | type                           |                                                                          |
|                                                                        | TARATURA                               | calibration               | A                                                                               |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | A                                   | eichung                        |                                                                          |
| RELE' TERMICO<br>relay thermal                                         | TIPO                                   | type                      |                                                                                 |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | typ                                 | type                           | relais thermique<br>relais thermische                                    |
|                                                                        | TARATURA                               | calibration               | A                                                                               |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | A                                   | eichung                        |                                                                          |
|                                                                        | TIPO CAVO                              | cable type                |                                                                                 |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | linie art                           | type de câble                  |                                                                          |
|                                                                        | FORMAZIONE                             | section                   |                                                                                 |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | abschnitt kabel                     | câble section                  |                                                                          |
| LINEA DI<br>POTENZA<br>power<br>line                                   | LUNGHEZZA                              | length                    | m                                                                               |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | m                                   | kable-länge                    | ligne<br>électrique<br>linie der<br>macht                                |
|                                                                        | Iz                                     | A                         |                                                                                 |              |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | A                                   | iz                             |                                                                          |
|                                                                        | Cdt a lb                               | v.d. %                    | Cdt tot. a lb                                                                   | total v.d. % |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | %                                   | spannungsgradfall              |                                                                          |
|                                                                        | Zk                                     | mΩ                        | Zs                                                                              | mΩ           |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | mΩ                                  | Zs                             |                                                                          |
| trifase/mot. 3/1-phase                                                 | IK1                                    | kA                        | IK1                                                                             | kA           |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | IK1                                 | kA                             | IK1                                                                      |
|                                                                        | IK1                                    | kA                        | IK1                                                                             | kA           |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | IK1                                 | kA                             |                                                                          |
|                                                                        | IK1                                    | kA                        | IK1                                                                             | kA           |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | IK1                                 | kA                             |                                                                          |
|                                                                        | IK1                                    | kA                        | IK1                                                                             | kA           |                                                                                             |    |                                                                                          |    |                                                                                    |    |                                                                                    |     | IK1                                 | kA                             |                                                                          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00946()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00946()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00946()

FOGLIO  
PAGE

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DATA DATE  
DATE DATUM

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

NR. DIS. PROJECT  
DRAW NR. BILD

DICHIARAZIONE N°  
DECLARATION NR.  
DER ANSAGEZETTEL

COMMESSA TRAVAIL  
PROJECT NR. PROJECT

1100

TOT. FOGLI  
TOTAL PAGES

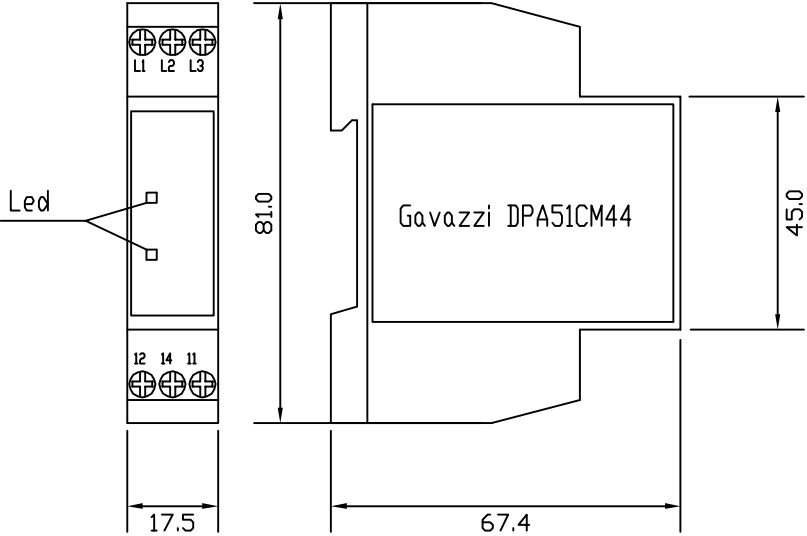
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TOTAL FEUILLES  
BLATTIER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |       |                |    |       |
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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   | QUADRO EL. POMPA TRIFASE WRL - 2E00946()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00946() |         |                  |                  |             |         |             |       | FORNID         | 4A | PAGE  |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00946()   |         |                  |                  |             |         |             |       |                |    | SETTE |
|     |                     |                 | 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   | 4B    | NETTER         |    |       |
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|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         | TOTAL PAGES |       | BLÄTTER GESAMT |    |       |

IN ALTERNATIVA  
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alternative

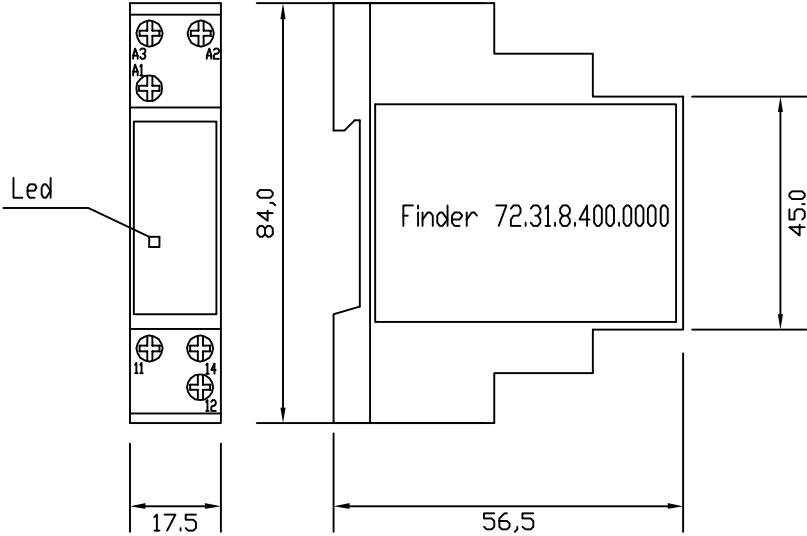
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L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C:



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

IN ALTERNATIVA  
alternative  
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Finder 72.31.8.400.0000  
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A2 = L2  
A3 = L3  
rele'  
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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 - 2E00946()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00946()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00946()

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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  
10-420

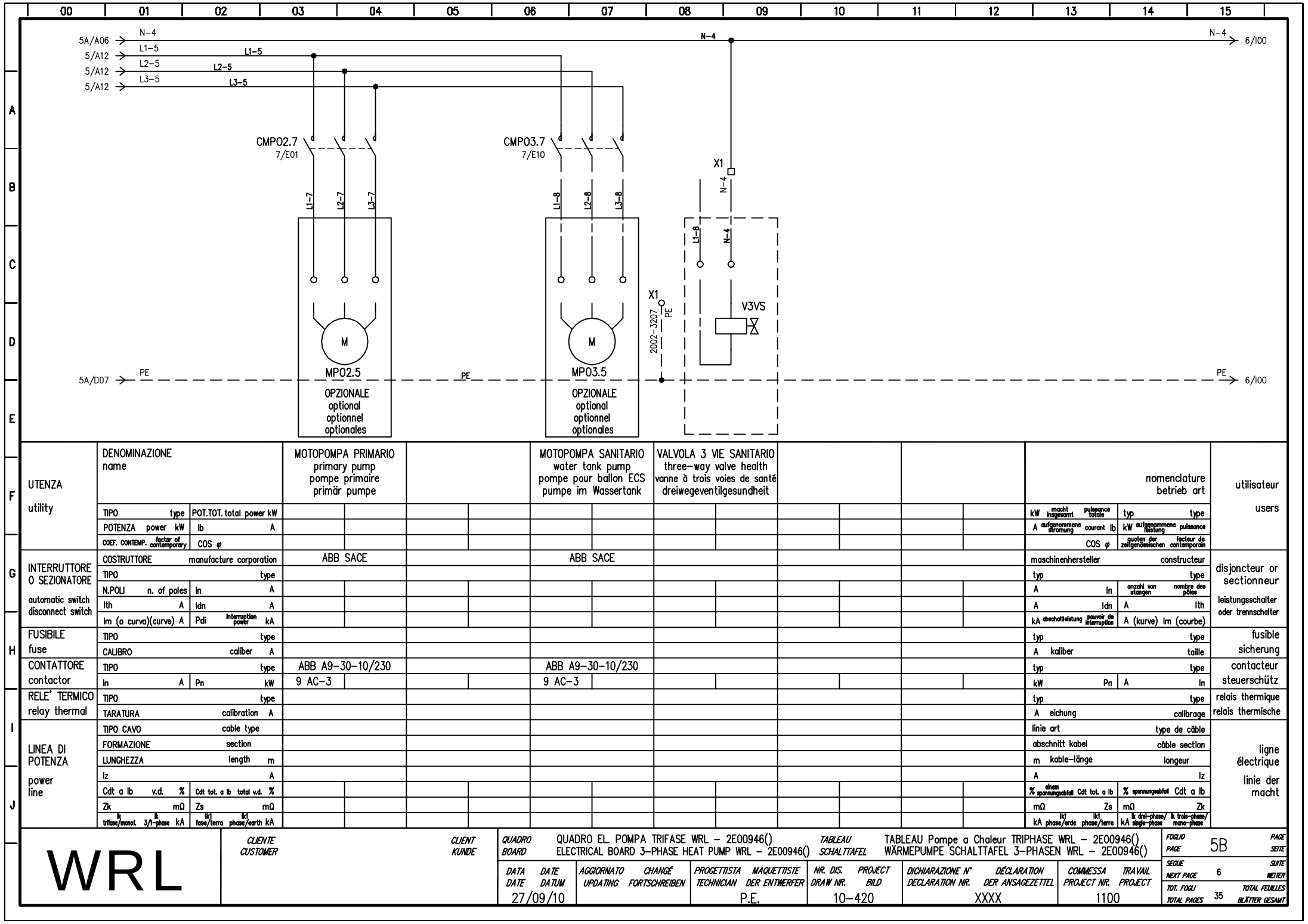
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DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE' SUITE  
NEXT PAGE 5  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 35 BLÄTTER 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<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<br>de<br>synchronisme | facteur de<br>synchronisme |                                                                              |                 |          |
| 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>polen               | nombre des<br>pôles        |                                                                              |                 |          |
|                                                                            | Ith                   | A                         | Idn                                                                 | A                     |                  |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           | Idn                      | A                                 | Ith                        |                                                                              |                 |          |
|                                                                            | Im (a curva)(curve)   | A                         | Pdi                                                                 | interruption<br>power | kA               |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | kA                          | abschaltleistung         | puissance de<br>coupure           | A (curve) Im (courbe)      |                                                                              |                 |          |
| FUSIBILE<br><br>fuse                                                       | TIPO                  |                           | type                                                                |                       |                  |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | typ                         |                          | type                              |                            | fusible<br><br>sicherung                                                     |                 |          |
|                                                                            | CALIBRO               |                           | caliber                                                             |                       | A                |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           |                          | kaliber                           |                            |                                                                              | taille          |          |
| CONTATTORE<br>contactor                                                    | TIPO                  |                           | type                                                                |                       | ABB A9-30-10/230 |            | ABB A9-30-10/230                                                                       |  |                                                                                                                |  |  |  |  |  | typ                         |                          | type                              |                            | contacteur<br><br>steuerschütz                                               |                 |          |
|                                                                            | In                    | A                         | Pn                                                                  | kW                    | 9 AC-3           |            | 9 AC-3                                                                                 |  |                                                                                                                |  |  |  |  |  | kW                          | Pn                       | A                                 | In                         |                                                                              |                 |          |
| RELE' TERMICO<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                           |                          | kabel-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                    |                           | mΩ                                                                  | Zs                    | mΩ               |            |                                                                                        |  |                                                                                                                |  |  |  |  |  |                             | mΩ                       | Zs                                | mΩ                         |                                                                              | Zk              |          |
|                                                                            | trifase/monof.        | 3/1-phase                 | kA                                                                  | fase/terro            | phase/earth      | kA         |                                                                                        |  |                                                                                                                |  |  |  |  |  | kA                          | phase/erde               | phase/terre                       | kA                         | trifase/monof.                                                               | 3/1-phase       |          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00946()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00946()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00946()

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AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

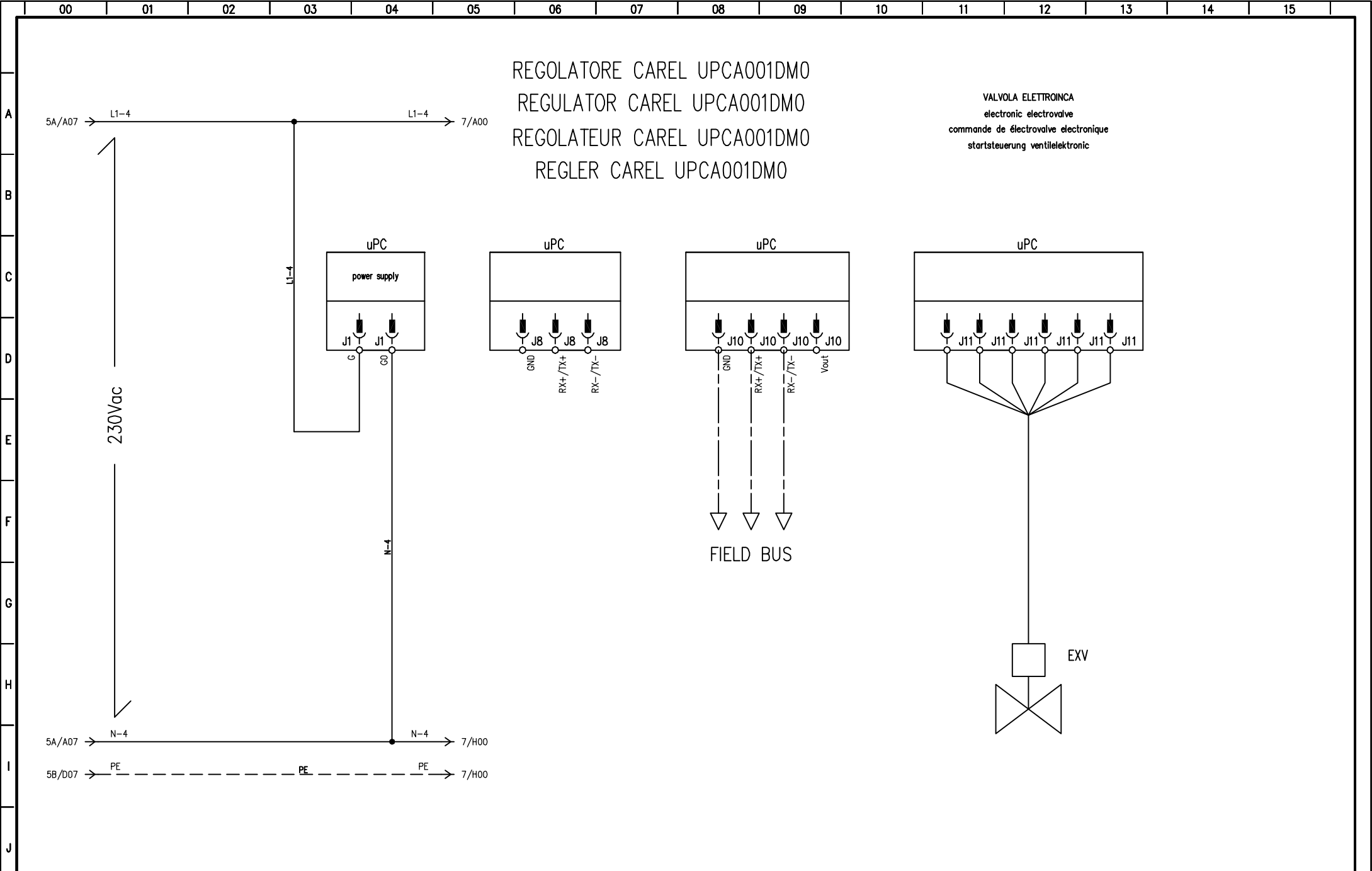
PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-420

DICHIARAZIONE N°  
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XXXX

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PROJECT NR. PROJECT  
1100

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35  
SUITE  
FEUILLES  
BLATTIER GESAMT

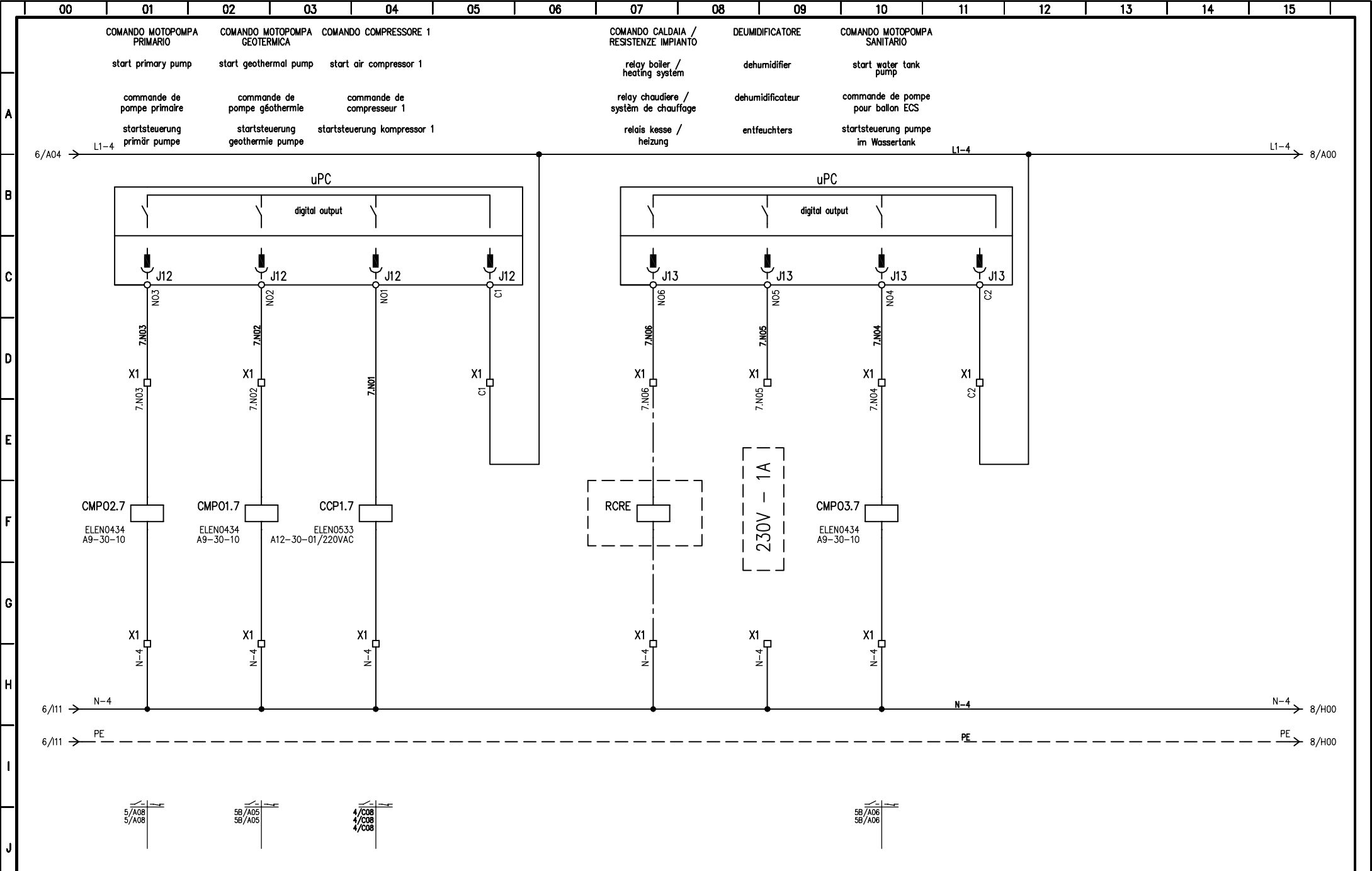


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |         |  |            |  |                |  |
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| CLIENTE<br>CUSTOMER |  | CLIENT<br>KUNDE |  | QUADRO     |  | QUADRO EL. POMPA TRIFASE WRL – 2E00946()           |  |             |  | TABLEAU       |  | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00946() |  |         |  | FOLIO            |  | PAGE             |  |             |  |         |  |            |  |                |  |
|                     |  |                 |  | BOARD      |  | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL – 2E00946() |  |             |  | SCHALTAFEL    |  | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL – 2E00946()   |  |         |  | PAGE             |  | SEITE            |  |             |  |         |  |            |  |                |  |
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| DATE                |  | DATUM           |  | UPDATING   |  | FORTSCHREIBEN                                      |  | TECHNICIAN  |  | DER ENTWERFER |  | DRAW NR.                                         |  | BILD    |  | DECLARATION NR.  |  | DER ANSAGEZETTEL |  | PROJECT NR. |  | PROJECT |  | NEXT PAGE  |  | WEITER         |  |
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|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |         |  | 35         |  | BLÄTTER GESAMT |  |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00946()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946()

TABEUA  
SCHALTAFEL

TABEUA Pompe a Chaleur TRIPHASE WRL - 2E00946()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00946()

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

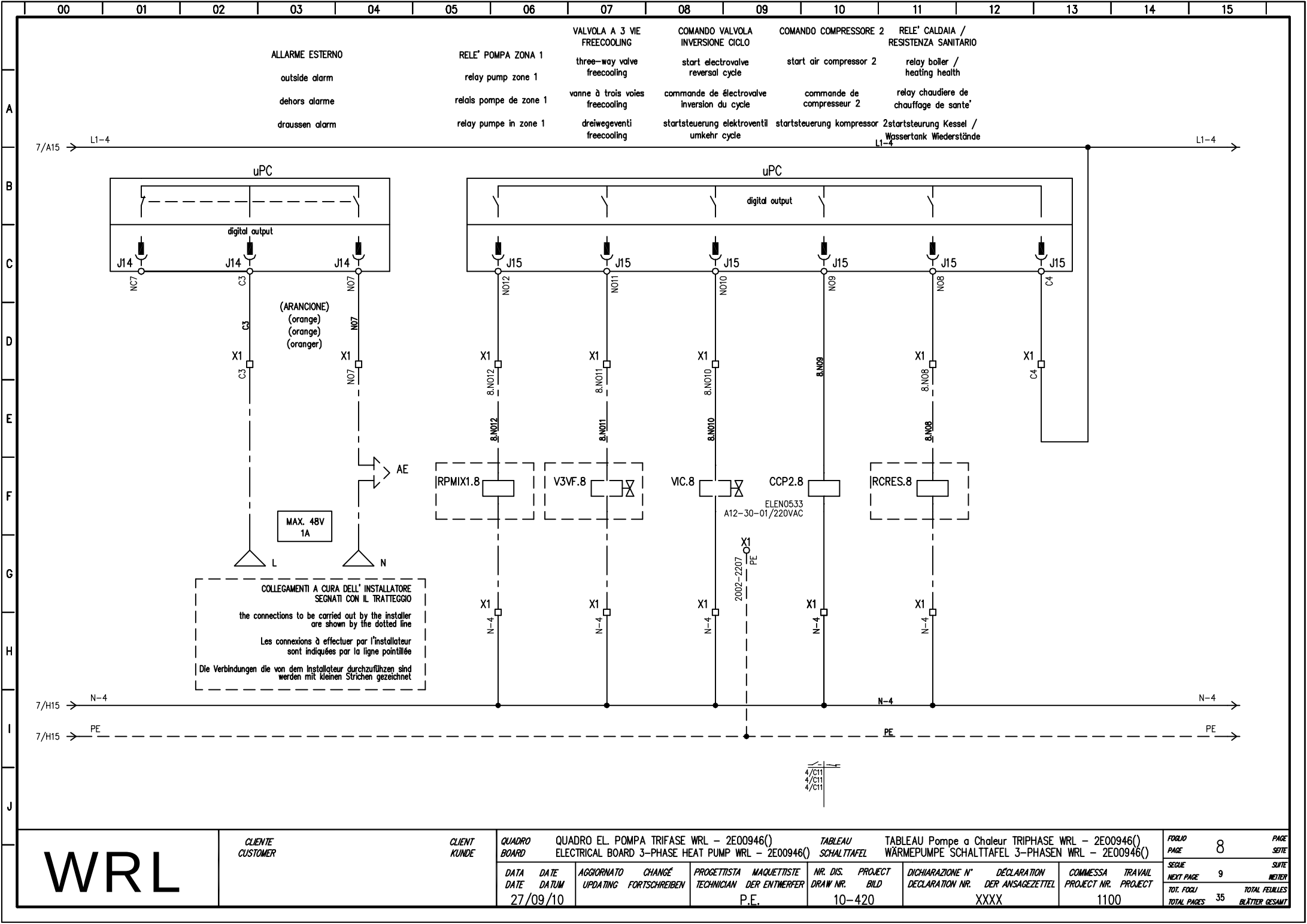
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QUADRO EL. POMPA TRIFASE WRL - 2E00946()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946()

TAFEL  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00946()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00946()

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TECHNICIAN

MAQUETTISTE  
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DICHIARAZIONE N°  
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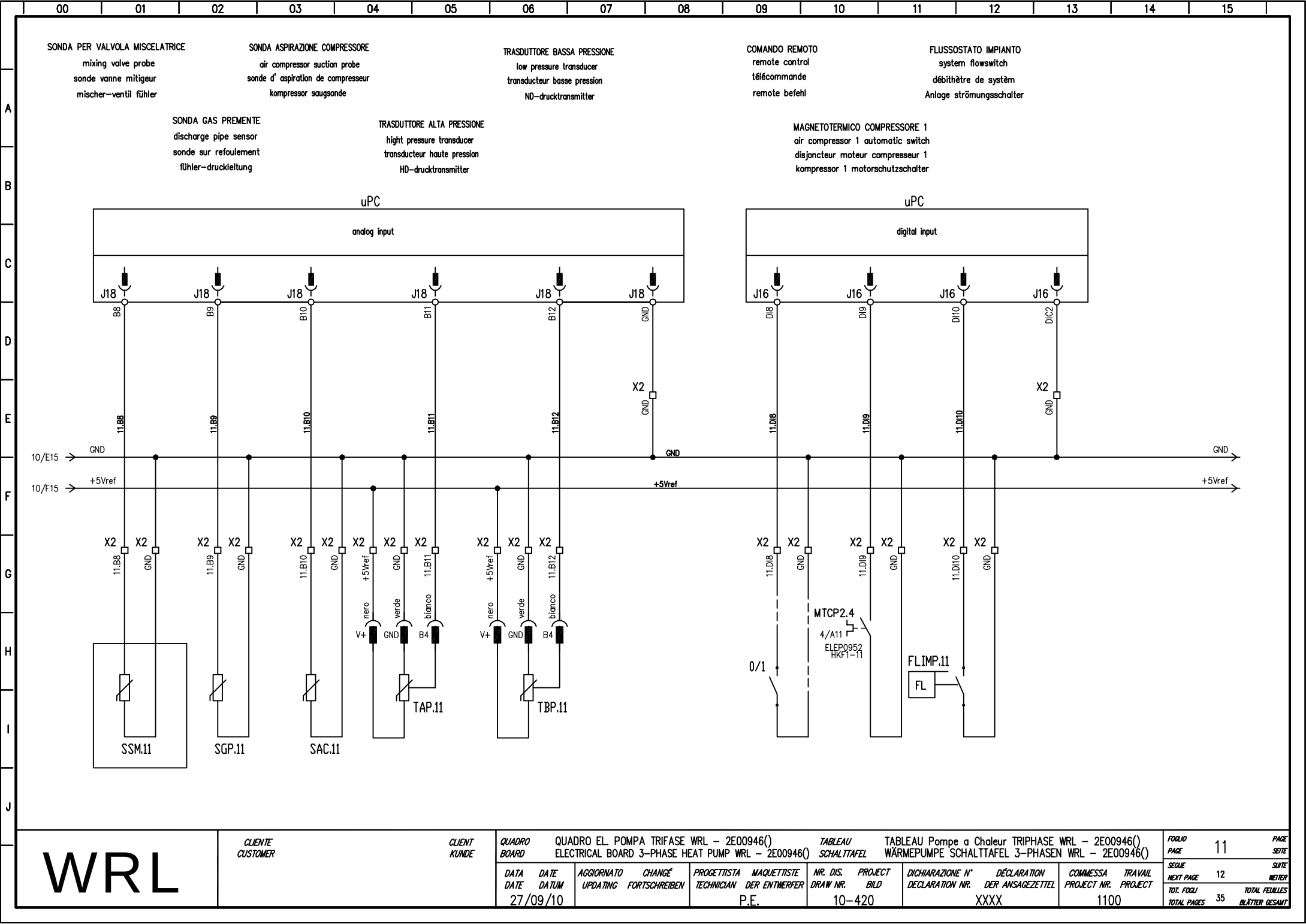
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TOTAL FEUILLES  
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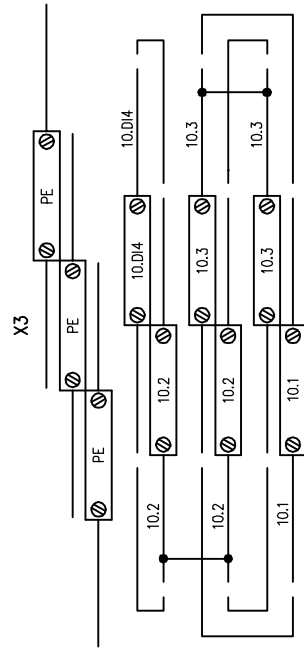
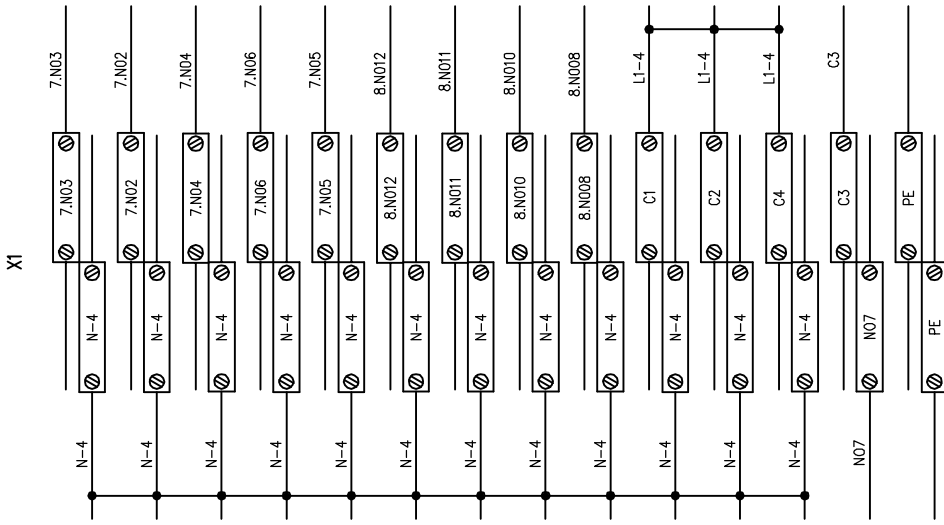






MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

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



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QUADRO  
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QUADRO EL. POMPA TRIFASE WRL - 2E00946()  
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SCHALT

TABE  
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PROGETTISTA  
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MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

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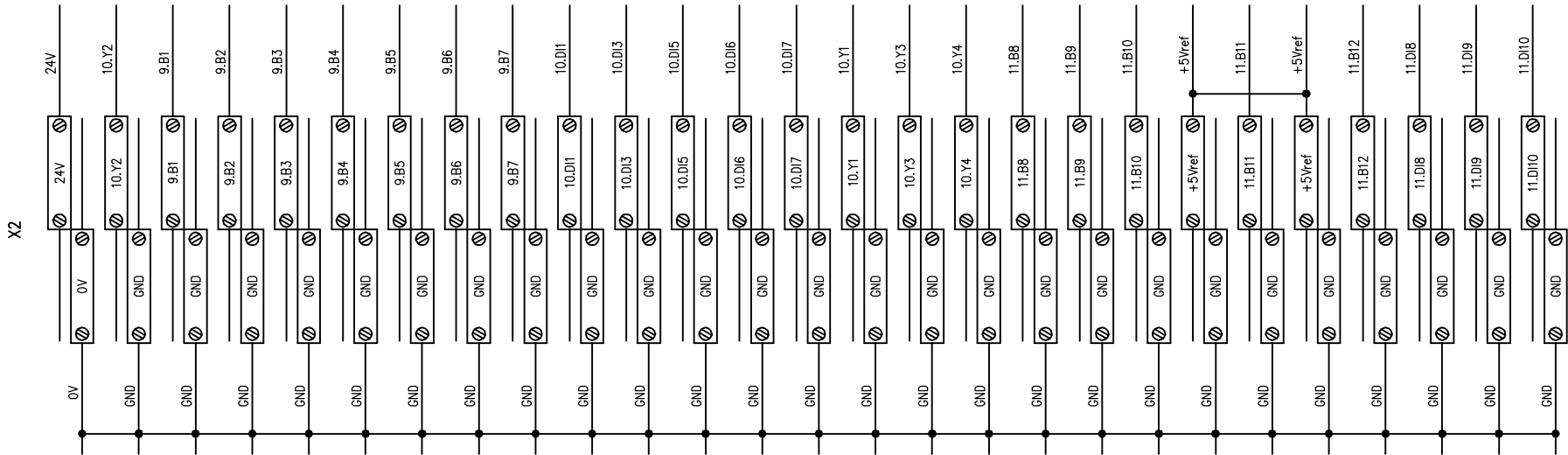
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MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00946()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946()

TABE  
SCHALT

TABE  
WÄRM

FOLIO  
PAGE

13

PAGE  
SEITE

DATA  
DATE

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

SEQ  
NEXT PAGE

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SUITE  
WEITER

TOT. FOGLI  
TOTAL PAGES

35

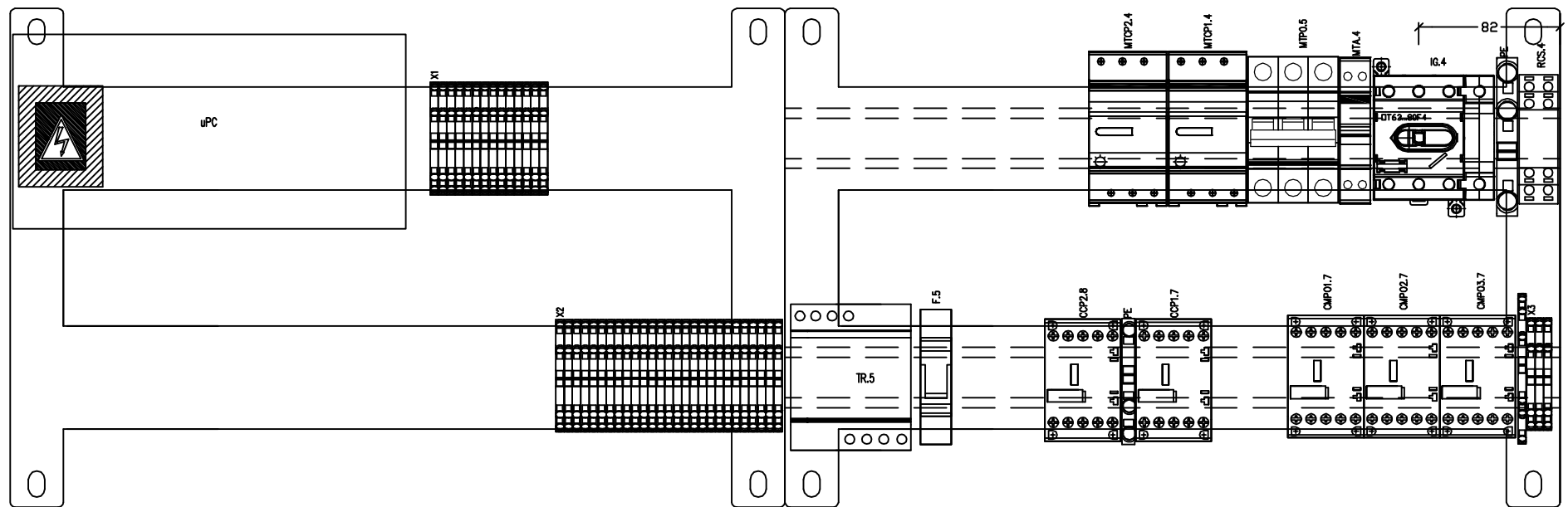
TOTAL FEUILLES  
BLÄTTER GESAMT



A  
B  
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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                                                                              |

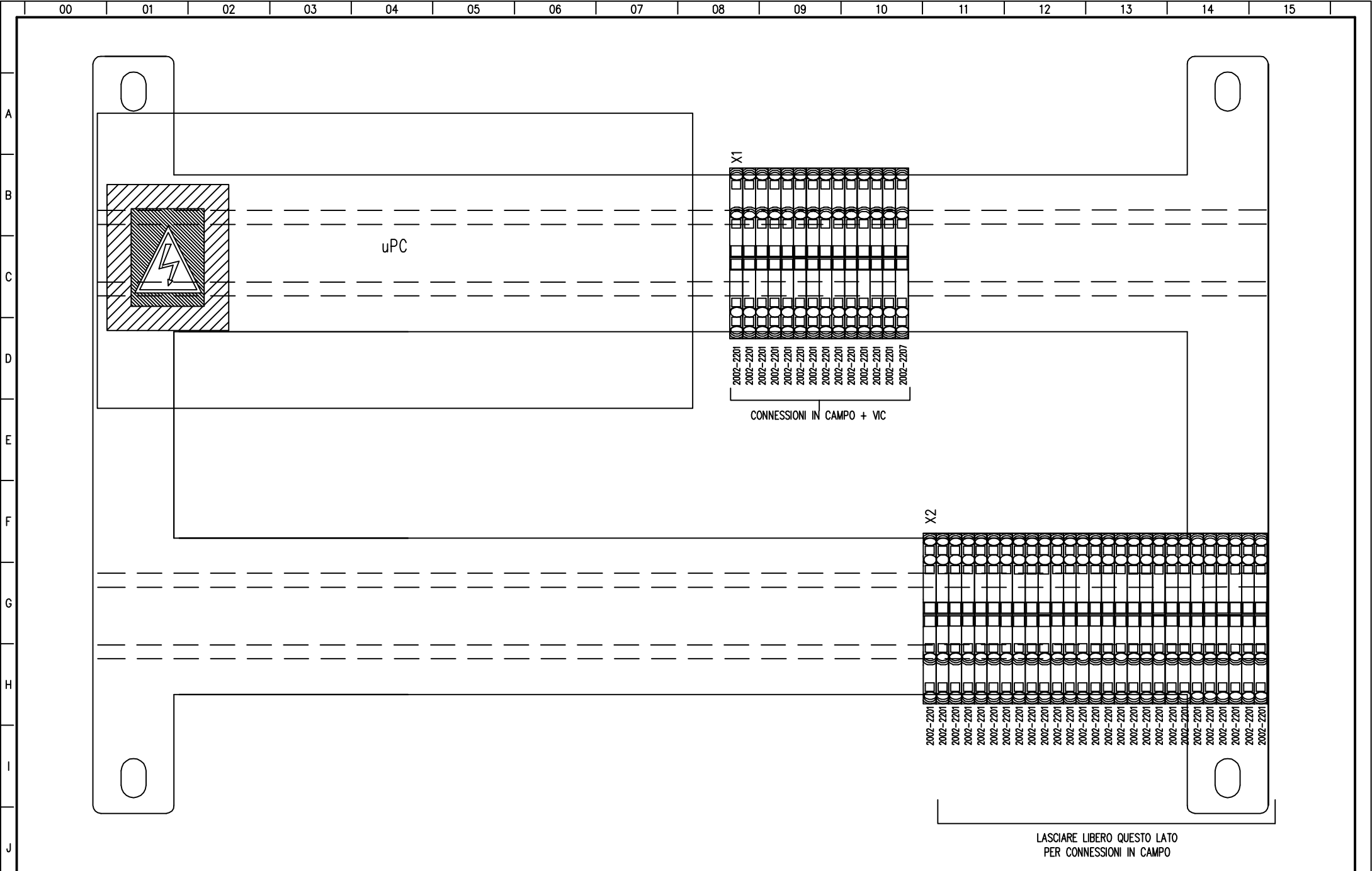
VISTA INTERNA  
fore sight internal  
vue extérieur  
Innenansicht



☒ VERSIONE CON 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



CONNESSIONI IN CAMPO + VIC

LASCIARE LIBERO QUESTO LATO  
PER CONNESSIONI IN CAMPO

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00946()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00946()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00946()

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  
10-420

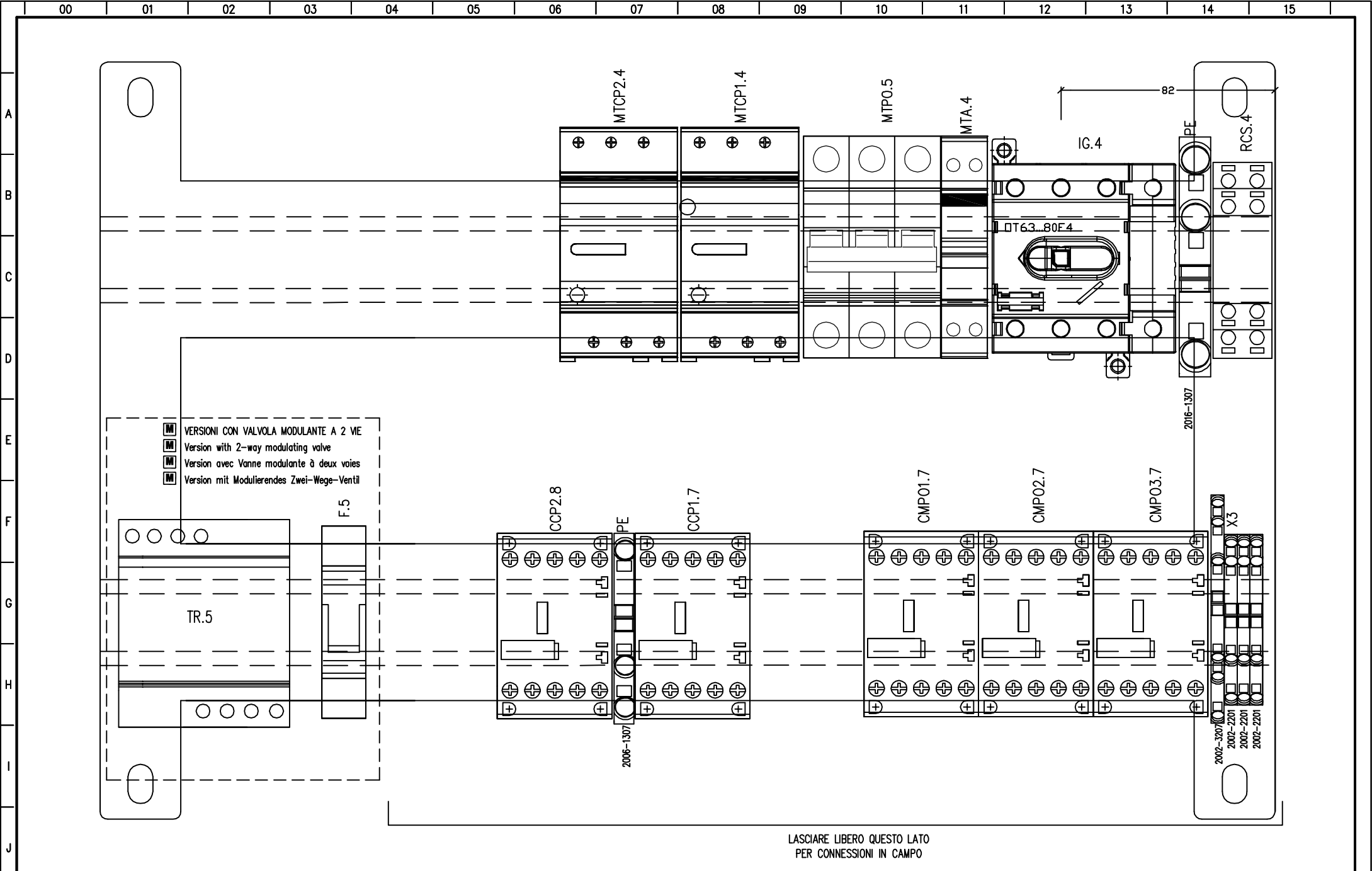
DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE  
TOT. FOLGI  
TOTAL PAGES

14C  
35

SUITE  
FEUILLES  
BLÄTTER GESAMT



WRL

|                     |                 |                 |                                                                                                |                        |                         |                           |                              |                                                                                                    |                 |                                     |                                 |                         |                    |                           |    |                                  |
|---------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------|------------------------|-------------------------|---------------------------|------------------------------|----------------------------------------------------------------------------------------------------|-----------------|-------------------------------------|---------------------------------|-------------------------|--------------------|---------------------------|----|----------------------------------|
| CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO<br>BOARD | QUADRO EL. POMPA TRIFASE WRL - 2E00946()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00946() |                        |                         |                           | TABLEAU<br>SCHALTAFEL        | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00946()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00946() |                 |                                     |                                 | FOGLIO<br>PAGE          | 14C                | 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 | SUITE<br>NEXT PAGE        | 15 | METER                            |
|                     |                 | 27/09/10        |                                                                                                |                        |                         |                           | P.E.                         | 10-420                                                                                             |                 | XXXX                                |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 35 | TOTAL FEUILLES<br>BLÄTTER GESAMT |
|                     |                 |                 |                                                                                                |                        |                         |                           |                              |                                                                                                    |                 |                                     |                                 |                         |                    |                           |    |                                  |

|                                                       |            |           |        |
|-------------------------------------------------------|------------|-----------|--------|
| POMPA TRIFASE                                         |            |           | WRL100 |
| Quadro elettrico                                      | REV        |           |        |
| cod.                                                  | 2E00947    | 1         |        |
| cod.                                                  | 2E00947A   | 1         | A      |
| cod.                                                  | 2E00947M   | 1         | M      |
| cod.                                                  | 2E00947E   | 1         | E      |
|                                                       |            |           |        |
| rif.                                                  | 2E00789B_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 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 |

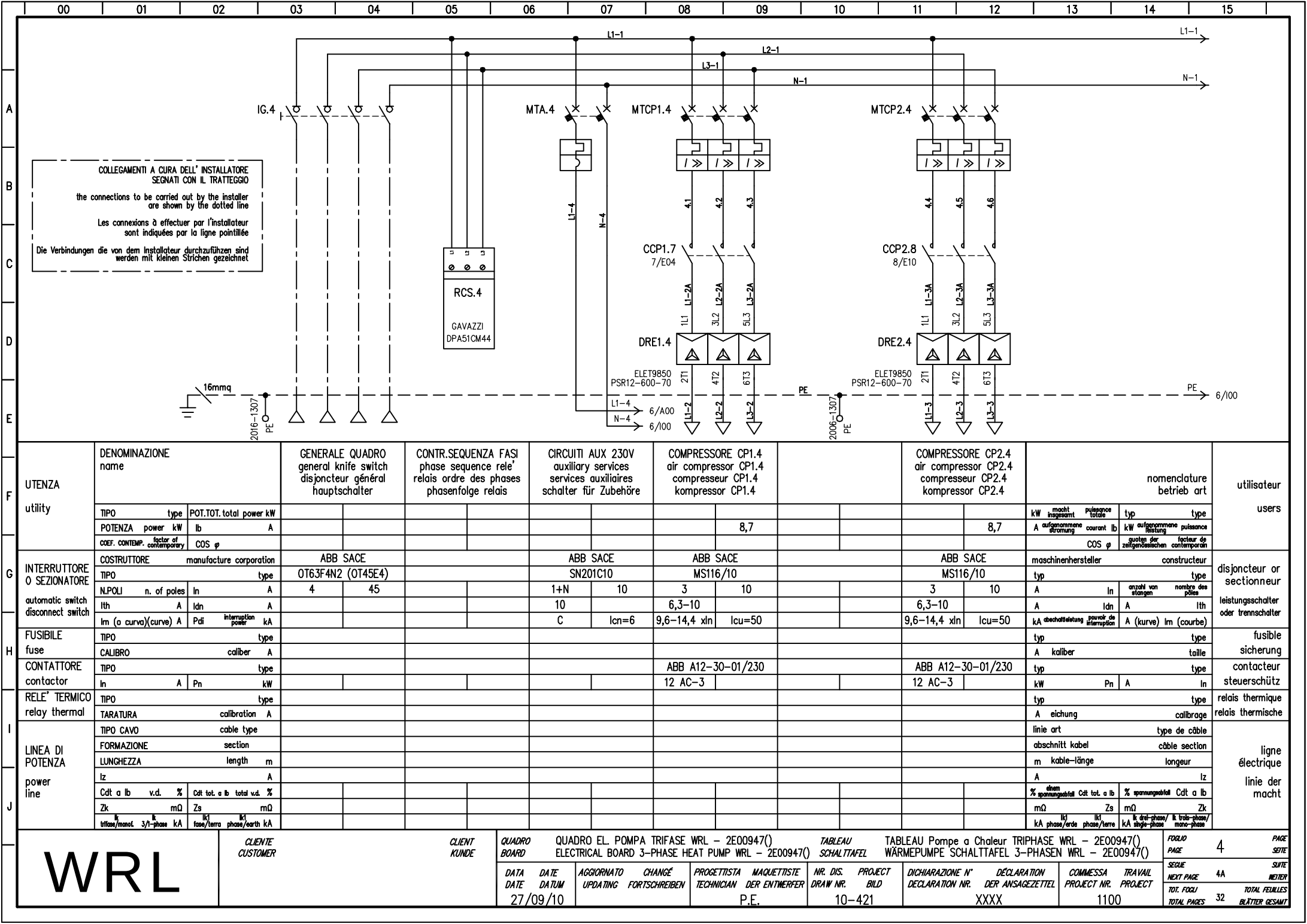
|                        |  |                     |  |                      |           |
|------------------------|--|---------------------|--|----------------------|-----------|
| WRL                    |  |                     |  |                      |           |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |           |
| COD. ARTICOLO          |  | Article Code        |  | 2E009470_01 03/03/11 |           |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE - 50 Hz 400V  |           |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V                    | 400 Hz 50 |
| POMPA DI CALORE WRL100 |  | Heat Pump WRL100    |  | A Max                | 18,2      |
|                        |  |                     |  |                      |           |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP                   | 2x        |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 |           |

|                        |  |                     |  |                      |           |
|------------------------|--|---------------------|--|----------------------|-----------|
| WRL                    |  |                     |  |                      |           |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |           |
| Code Article           |  | Artikelcode         |  | 2E009470_01 03/03/11 |           |
| Alimentation           |  | Stronversorgung     |  | 3/N/PE - 50 Hz 400V  |           |
| Tension Nominale       |  | Nennspannung        |  | V                    | 400 Hz 50 |
| Pompe a Chaleur WRL100 |  | Wärmepumpe WRL100   |  | A Max                | 18,2      |
|                        |  |                     |  |                      |           |
| 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      | APPROUVÉ    | CONTRÔLÉ      |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                                                                                                                                                      |                 |                                 |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------|------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.            | PROJECT<br>BILD              |
|                                                                                                                                                      |                 | 10-421                          |                              |
| 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           |
| 2E00947                                                                                                                                              |                 | 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                                            | 02                                          | 03                                                 | 04                                       | 05                                                 | 06                               | 07                                               | 08                                    | 09                                    | 10          | 11   | 12       | 13             | 14      | 15 |
|---|----------|-----------------------------------------------|---------------------------------------------|----------------------------------------------------|------------------------------------------|----------------------------------------------------|----------------------------------|--------------------------------------------------|---------------------------------------|---------------------------------------|-------------|------|----------|----------------|---------|----|
|   | ITALIANO |                                               | ENGLISH                                     |                                                    | FRANCAIS                                 |                                                    | DEUTSCH                          |                                                  | ITALIANO                              |                                       | ENGLISH     |      | FRANCAIS |                | DEUTSCH |    |
| A | O/I      | INTERRUTTORE ACCESSO/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 extérieur                                   | fernstoermeldung                         | BP                                                 | PRESSOSTATO DI BASSA             | pressure switch "low pressure"                   | pressostat "basse pression"           | druckschalter "niedrig druck"         |             |      |          |                |         |    |
|   | AL       | ALLARME                                       | alarm                                       | alarm                                              | alarm                                    | FL                                                 | FLUSSOSTATO                      | flowswitch                                       | fluxostat                             | strommesswaechter                     |             |      |          |                |         |    |
|   | ALDEO    | ALLARME DEUMIDIFICATORE                       | alarm dehumidifier                          | alarme déshumidificateur                           | alarm entfeuchter                        | EXV                                                | VALVOLA ELETTRONICA              | electronic electrovalve                          | commande de electrovalve electronique | startsteuerung ventilelektronic       |             |      |          |                |         |    |
| B | ALSAN    | ALLARME SANITARIO                             | health alert                                | alarme la santé                                    | gesundheit alarm                         | FLGEO                                              | FLUSSOSTATO GEOTERMICO           | geothermal flowswitch                            | débitmètre géothermie                 | Geothermie strömungsschalter          |             |      |          |                |         |    |
|   | ALUMP    | ALLARME CALDAIA/RESISTENZA                    | boiler/heater alarm                         | alarme chaudière/resistance                        | alarm kessel/elekt. Widerstände          | FLIMP                                              | FLUSSOSTATO IMPIANTO             | system flowswitch                                | débitmètre de système                 | Anlage strömungsschalter              |             |      |          |                |         |    |
|   | BL       | CONTATTORE COMPRESSORE                        | compressor contactor                        | contacteur compresseur                             | kompressorschuetz                        | MAP                                                | MORSETTIERA PRESSOSTATO DI ALTA  | pressure switch "high pressure" clamps           | bornes de pressostat "gran pression"  | druckschalter "hoch druck" klemmen    |             |      |          |                |         |    |
|   | CP       | COMPRESSORE                                   | compressor                                  | compresseur                                        | kompressor                               | MBP                                                | MORSETTIERA PRESSOSTATO DI BASSA | pressure switch "low pressure" clamps            | bornes de pressostat "basse pression" | druckschalter "niedrig druck" klemmen |             |      |          |                |         |    |
| C | CIMO     | CONTATTORE MOTOPOMPA                          | pump contactor                              | contacteur de pompe                                | steuerschütz pumpe                       | KSAE                                               | SONDA ARIA ESTERNA               | ambient air probe                                | sonde air extérieur                   | außenluftfühler                       |             |      |          |                |         |    |
|   | RCORE    | RELE' CALDAIA/RESISTENZA IMPIANTO             | relay boiler / heating system               | relais chaudière/système de chauffage              | relais kessel/heizung                    | SAC                                                | SONDA ASPIRAZIONE COMPRESSORE    | air compressor suction probe                     | sonde d'aspiration de compresseur     | kompressor saugsonde                  |             |      |          |                |         |    |
|   | RCORES   | RELE' CALDAIA/RESISTENZA SANITARIO            | relay boiler / heating health               | relais chaudière de chauffage de santé             | startsteuerung Kessel/Wassertank         | SIIM                                               | SONDA INGRESSO IMPIANTO          | input system probe                               | sonde de entrées installation         | sensor zwei anlage                    |             |      |          |                |         |    |
|   | DCP      | DISPOSITIVO BASSE TEMPERATURE DEUMIDIFICATORE | low ambient temperature device dehumidifier | dispositif pour basse température déhumidificateur | winterregelung entfeuchters              | SGP                                                | SONDA GAS PREMENTE               | discharge pipe sensor                            | sonde sur refolement                  | fühler-druckleitung                   |             |      |          |                |         |    |
| D | DRE      | AVVIATORE                                     | softstarter                                 | démarrateur                                        | anlasser                                 | SGEO                                               | SONDA INGRESSO GEOTERMICO        | input geothermal probe                           | sonde entree géothermique             | geothermie sensor                     |             |      |          |                |         |    |
|   | F        | FUSIBILE                                      | fuse                                        | fusible                                            | sicherung                                | SIW                                                | SONDA INGRESSO ACQUA (NTC)       | water inlet probe (NTC)                          | sonde entree eau (NTC)                | fühler-wassereintritt (NTC)           |             |      |          |                |         |    |
|   | FRC      | FILTRO ANTIDISTURBO                           | Interference suppressor                     | antiparasitage                                     | Funkentstörung                           | SIWH                                               | SONDA INGRESSO ACQUA (NTC)       | water inlet probe (NTC)                          | sonde entree eau (NTC)                | fühler-wassereintritt (NTC)           |             |      |          |                |         |    |
|   | IG       | INTERRUTTORE GENERALE                         | Main switch                                 | Interrupteur général                               | Hauptschalter                            | SRIM                                               | SONDA RITORNO IMPIANTO           | output system probe                              | sonde de sorties installation         | Ausgang Wärmetauscher sensor          |             |      |          |                |         |    |
| E | L        | FASE DI ALIMENTAZIONE                         | phase of power supply                       | phase de alimentation                              | phasen vom Stromversorgung               | SSAN                                               | SONDA SANITARIO                  | probe health                                     | sonde de santé                        | probe gesundheit                      |             |      |          |                |         |    |
|   | M        | MORSETTIERA                                   | clamps                                      | bornes                                             | klemmen                                  | SUGEO                                              | SONDA USCITA GEOTERMICO          | output geothermal probe                          | sonde sortie géothermique             | ausgang erdwärmesonde                 |             |      |          |                |         |    |
|   | MA       | MARRONE                                       | brown                                       | marron                                             | braun                                    | SIUM                                               | SONDA USCITA IMPIANTO            | output system probe                              | sonde sortie installation             | sensor ausgang anlage                 |             |      |          |                |         |    |
|   | MCN      | MORSETTIERA DI COMANDO                        | control clamps                              | bornes de commande                                 | startsteuerung klemmen                   | SUR                                                | SONDA USCITA RECUPERATORE        | recovery outlet probe                            | sonde sortie recuperation             | regenerator fñher-austritt            |             |      |          |                |         |    |
| F | MPO1     | MOTOPOMPA GEOTERMICO                          | geothermal pump                             | pompe géothermie                                   | Geothermie pumpe                         | SUW                                                | SONDA USCITA ACQUA (NTC)         | water outlet probe (NTC)                         | sonde sortie eau (NTC)                | fühler-wasseraustritt (NTC)           |             |      |          |                |         |    |
|   | MPO2     | MOTOPOMPA PRIMARIO                            | primary pump                                | pompe primaire                                     | primär pumpe                             | SUWH                                               | SONDA USCITA ACQUA (NTC)         | water outlet probe (NTC)                         | sonde sortie eau (NTC)                | fühler-wasseraustritt (NTC)           |             |      |          |                |         |    |
|   | MPO3     | MOTOPOMPA SANITARIO                           | water tank pump                             | pompe pour ballon ECS                              | pumpe im Wassertank                      | SSM                                                | SONDA VALVOLA MISCELATRICE       | mixing valve probe                               | sonde robinet mélange                 | mischerventil probe                   |             |      |          |                |         |    |
|   | MRTF     | MORSETTIERA REG. TAGLIO DI FASE               | governor-cut phase clamps                   | bornes de gouverneur coupe phase                   | klemmen der gouverneur cut-phase         | TAP                                                | TRASDUTTORE ALTA PRESSIONE       | high pressure trasducer                          | trasducteur haute pression            | HD-drucktransmitter                   |             |      |          |                |         |    |
| G | MSN      | MORSETTIERA DI SEGNALE                        | signal clamps                               | bornes de signal                                   | signal klemmen                           | TBP                                                | TRASDUTTORE BASSA PRESSIONE      | low pressure trasducer                           | trasducteur basse pression            | ND-drucktransmitter                   |             |      |          |                |         |    |
|   | 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                       |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | MTOP     | MAGNETOTERMICO COMPRESSORE                    | compressor magneto-thermal                  | magneto-thermique compresseur                      | motorschuttschalter kompressor           |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| H | 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                           |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| I | PD       | PRESSOSTATO DIFFERENZIALE                     | differential pressure switch                | pressostat différentiel                            | druckdifferenzschalter                   |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | PDH      | PRESSOSTATO DIFFERENZIALE                     | differential pressure switch                | pressostat différentiel                            | druckdifferenzschalter                   |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | RPMIXI   | RELE' POMPA ZONA 1                            | relay pump zone 1                           | relais pompe de zone 1                             | relay pumpe in zone 1                    |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | PR       | PANNELLO REMOTO                               | remote panel                                | commande à distance                                | remote panel                             |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| J | R        | RELE'                                         | relé                                        | relais                                             | relais                                   |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | RAP      | RELE' ALTA PRESSIONE                          | "high pressure" relay                       | Relsais haute pression                             | hackdruckrelais                          |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | RC       | RESISTENZA OLIO COMPRESSORE                   | compressor oil heater                       | résistance huile CP                                | kubelwannenheizung                       |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | RCP      | RELE' COMPRESSORE                             | air compressor relé                         | relais de compresseur                              | kompressor relais                        |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| K | 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                      |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | RIMO     | RELE' MOTOPOMPA                               | pump relé                                   | relais de pompe                                    | pumpe relais                             |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| L | RI       | RISCALDATORE                                  | heating device                              | chauffage                                          | heizvorrichtung                          |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | RYSE     | RELE' VALVOLA ECONOMIZER                      | economizer relé                             | relais de economizer                               | economizer relais                        |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | RX       | RESISTENZA BACINELLA                          | tray resistance                             | résistance de bassins                              | tropfschale Widerstände                  |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | SET      | SECONDO SET                                   | second set                                  | second set                                         | zweite set                               |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| M | SIC      | CATENA SICUREZZE                              | thermal emergencies                         | thermiques sécurité                                | sicherheit spannungsreiche               |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | TEP      | RELE' RITARDATO                               | delayed relé                                | relais retard                                      | zeit relais                              |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | TGP      | TERMOSTATO GAS PREMENTE                       | discharge gas thermostat                    | thermostat de gaz de décharge                      | Druckgas Thermostat                      |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | TR       | TRASFORMATORE                                 | Transformer                                 | transformateur                                     | Transformator                            |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| N | 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   |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| O | TSVSE    | TERMOSTATO ECONOMIZER                         | economizer thermostat                       | Thermostat economizer                              | thermischer economizer                   |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | 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                    | dreiwegeventil freecooling               |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   | V3VS     | VALVOLA A 3 VIE SANITARIO                     | three-way valve health                      | vanne à trois voies de santé                       | dreiwegeventil gesundheit                |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| P | VIC      | VALVOLA INVERSIONE CICLO                      | reversal 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                   |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| Q | VMDX1    | 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                 |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   |          |                                               |                                             |                                                    |                                          |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
| R | WRL      |                                               | CLIENTE                                     | CLIENT                                             | QUADRO                                   | QUADRO EL. POMPA TRIFASE WRL - 2E00947()           | TABLEAU                          | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00947() | FOGLIO                                | 2                                     | PAGE        |      |          |                |         |    |
|   |          |                                               | CUSTOMER                                    | KUNDE                                              | BOARD                                    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947() | SCHALTITAFEL                     | WÄRMEPUMPE SCHALTITAFEL 3-PHASEN WRL - 2E00947() | PAGE                                  |                                       | SEITE       |      |          |                |         |    |
|   |          |                                               |                                             |                                                    | DATA                                     | DATE                                               | AGGIORNATO                       | CHANGÉ                                           | PROGETTISTA                           | MAQUETTISTE                           | NEXT PAGE   |      |          |                |         |    |
|   |          |                                               |                                             |                                                    | DATE                                     | DATUM                                              | UPDATING                         | FORTSCHREIBEN                                    | TECHNICIAN                            | DER ENTWERFER                         | TOTAL PAGES |      |          |                |         |    |
| S |          |                                               |                                             |                                                    |                                          | 27/09/10                                           |                                  |                                                  | P.E.                                  | 10-421                                | XXX         | 1100 | 32       | TOTAL FEUILLES |         |    |
|   |          |                                               |                                             |                                                    |                                          |                                                    |                                  |                                                  |                                       |                                       |             |      |          | BLÄTTER GESAMT |         |    |
|   |          |                                               |                                             |                                                    |                                          |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |
|   |          |                                               |                                             |                                                    |                                          |                                                    |                                  |                                                  |                                       |                                       |             |      |          |                |         |    |



|                                                                            |                                             |  |                         |                                                                                 |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          |                                                        |                                                                      |                                                                              |
|----------------------------------------------------------------------------|---------------------------------------------|--|-------------------------|---------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|--------|----|-----|------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------|
| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                       |  |                         | GENERALE QUADRO<br>general knife switch<br>disjoncteur général<br>hauptschalter |                   | CONTR.SEQUENZA FASI<br>phase sequence relé<br>relais ordre des phases<br>phasenfolge relais |  | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |       | COMPRESSORE CP1.4<br>air compressor CP1.4<br>compresseur CP1.4<br>kompressor CP1.4 |        |    |     | COMPRESSORE CP2.4<br>air compressor CP2.4<br>compresseur CP2.4<br>kompressor CP2.4 |                                                                          | nomenclature<br>betrieb art                            |                                                                      | utilisateur<br><br>users                                                     |
|                                                                            | TIPO type                                   |  | POT.TOT. total power kW |                                                                                 |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     | kW<br>macht<br>insgesamt<br>puissance totale                                       | typ type                                                                 |                                                        |                                                                      |                                                                              |
|                                                                            | POTENZA power kW                            |  | lb                      | A                                                                               |                   |                                                                                             |  |                                                                                          | 8,7   |                                                                                    |        |    | 8,7 | A<br>aufgenommene<br>stromung<br>courant lb                                        | kW<br>aufgenommene<br>leistung<br>facteur de<br>charge de<br>contemporan |                                                        |                                                                      |                                                                              |
|                                                                            | COEF. CONTEMP.<br>factor of<br>contemporary |  | COS φ                   |                                                                                 |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     | COS φ                                                                              |                                                                          |                                                        |                                                                      |                                                                              |
| 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                                   |  |                         | OT63F4N2 (OT45E4)                                                               |                   |                                                                                             |  | SN201C10                                                                                 |       | MS116/10                                                                           |        |    |     | MS116/10                                                                           |                                                                          | typ type                                               |                                                                      |                                                                              |
|                                                                            | N.POLI n. of poles                          |  | ln                      | A                                                                               | 4                 | 45                                                                                          |  |                                                                                          | 1+N   | 10                                                                                 | 3      | 10 |     | 3                                                                                  | 10                                                                       | A<br>In                                                | anzahl von<br>stangen<br>nombre des<br>pôles                         |                                                                              |
|                                                                            | lth                                         |  | A                       | ldn                                                                             | A                 |                                                                                             |  |                                                                                          | 10    |                                                                                    | 6,3-10 |    |     | 6,3-10                                                                             |                                                                          | A<br>ldn                                               | A<br>lth                                                             |                                                                              |
|                                                                            | Im (a curve)(curve) A                       |  | Pdi                     | interruption<br>power                                                           | kA                |                                                                                             |  | C                                                                                        | lcn=6 | 9,6-14,4 xln                                                                       | lcu=50 |    |     | 9,6-14,4 xln                                                                       | lcu=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<br>taille                                 |                                                                      |                                                                              |
| CONTATTORE<br>contactor                                                    | TIPO type                                   |  |                         |                                                                                 |                   |                                                                                             |  |                                                                                          |       | ABB A12-30-01/230                                                                  |        |    |     | ABB A12-30-01/230                                                                  |                                                                          | typ type                                               |                                                                      | contacteur<br>steuerschütz                                                   |
|                                                                            | ln                                          |  | A                       | Pn                                                                              | kW                |                                                                                             |  |                                                                                          |       | 12 AC-3                                                                            |        |    |     | 12 AC-3                                                                            |                                                                          | kW<br>Pn                                               | A<br>ln                                                              |                                                                              |
| RELE' TERMICO<br>relay thermal                                             | TIPO type                                   |  |                         |                                                                                 |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          | typ type                                               |                                                                      | relais thermique<br>relais thermische                                        |
|                                                                            | TARATURA calibration                        |  |                         | A                                                                               |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          | A<br>eichung<br>calibrage                              |                                                                      |                                                                              |
| LINEA DI<br>POTENZA<br><br>power<br>line                                   | TIPO CAVO cable type                        |  |                         |                                                                                 |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          | linie art<br>type de câble                             |                                                                      | ligne<br>électrique<br><br>linie der<br>macht                                |
|                                                                            | FORMAZIONE section                          |  |                         |                                                                                 |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          | abschnitt kabel<br>câble section                       |                                                                      |                                                                              |
|                                                                            | LUNGHEZZA length                            |  |                         | m                                                                               |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          | m<br>kable-länge<br>longueur                           |                                                                      |                                                                              |
|                                                                            | Iz                                          |  |                         | A                                                                               |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          | A<br>Iz                                                |                                                                      |                                                                              |
|                                                                            | Cdt a lb                                    |  | v.d. %                  | Cdt tot. a lb total v.d. %                                                      |                   |                                                                                             |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          | %<br>spannungsfaktor<br>Cdt tot. a lb<br>total v.d. %  |                                                                      |                                                                              |
|                                                                            | Zk                                          |  | mΩ                      | Zs                                                                              |                   | mΩ                                                                                          |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          | mΩ<br>Zs<br>mΩ                                         |                                                                      |                                                                              |
|                                                                            | lk<br>trifase/mono                          |  | 3/1-phase               | lk<br>fase/terre                                                                | lk<br>phase/earth | kA                                                                                          |  |                                                                                          |       |                                                                                    |        |    |     |                                                                                    |                                                                          |                                                        | kA<br>phase/terre<br>phase/terre<br>kA<br>single-phase<br>mono-phase |                                                                              |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00947()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00947()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()

FOLIO  
PAGE

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PAGE  
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DATA  
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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

1100

SEQUE  
NEXT PAGE

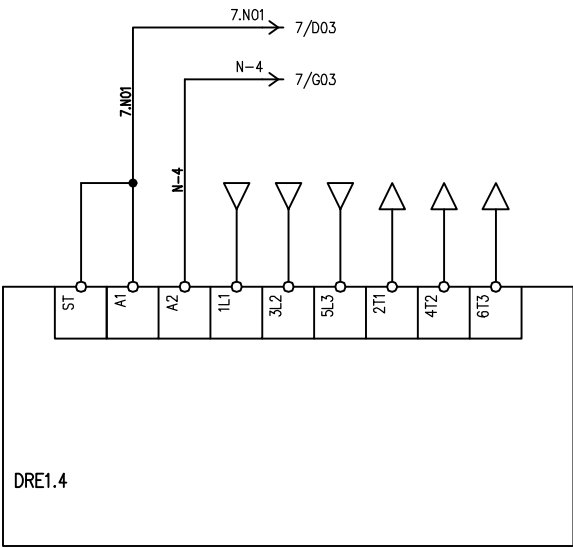
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SUITE  
METIER

TOT. FOLII  
TOTAL PAGES

32

TOTAL FEUILLES  
BLATTIER GESAMT

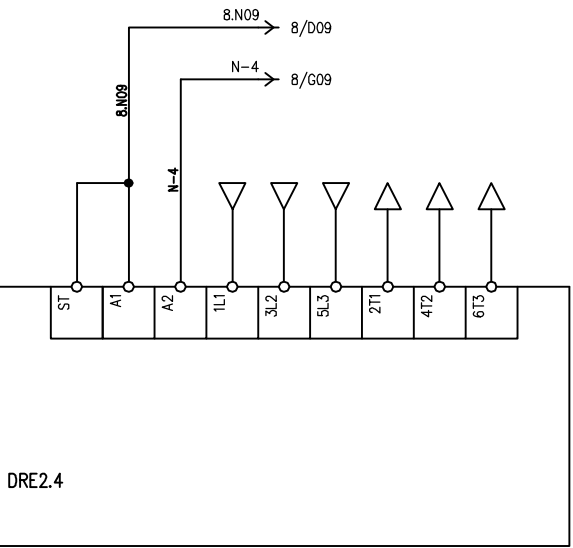


DRE1.4

1 RAMP time START : 1sec  
2 RAMP time STOP : 0,5sec  
3 initial voltage : 40%

AVVIATORE  
softstart  
démarrreur  
anlasser

|            |              |
|------------|--------------|
| WRL100     | PSR12-600-70 |
| WRL140/160 | PSR16-600-70 |



DRE2.4

1 RAMP time START : 1sec  
2 RAMP time STOP : 0,5sec  
3 initial voltage : 40%

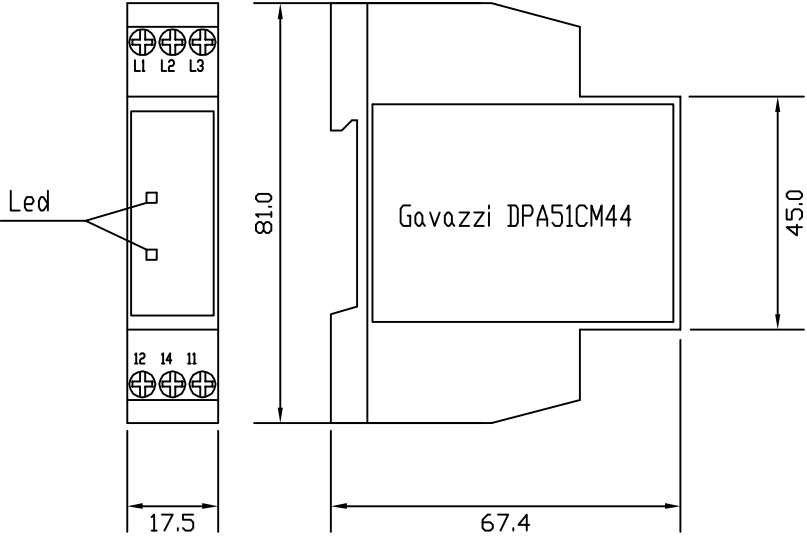
AVVIATORE  
softstart  
démarrreur  
anlasser

|            |              |
|------------|--------------|
| WRL100     | PSR12-600-70 |
| WRL140/160 | PSR16-600-70 |

WRL

IN ALTERNATIVA  
alternative  
alternative  
alternative

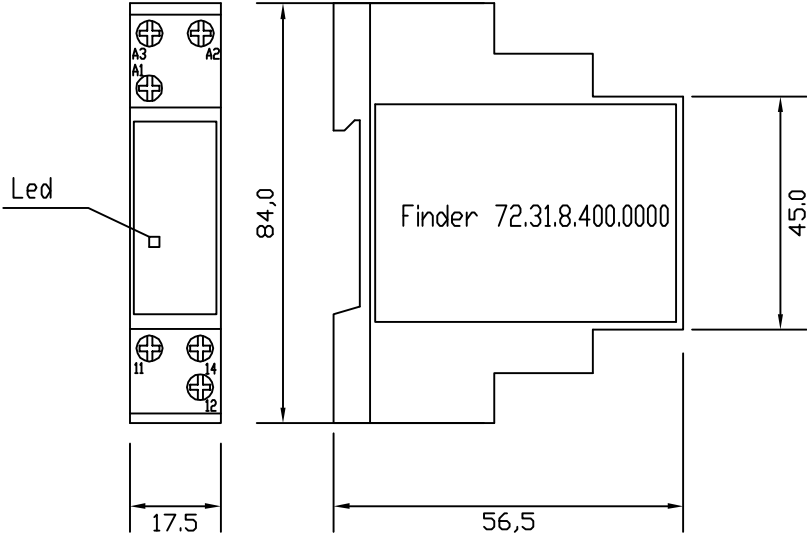
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L1 = L1  
L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



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 - 2E00947()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00947()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()

FOLIO  
PAGE

4B

PAGE  
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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  
10-421

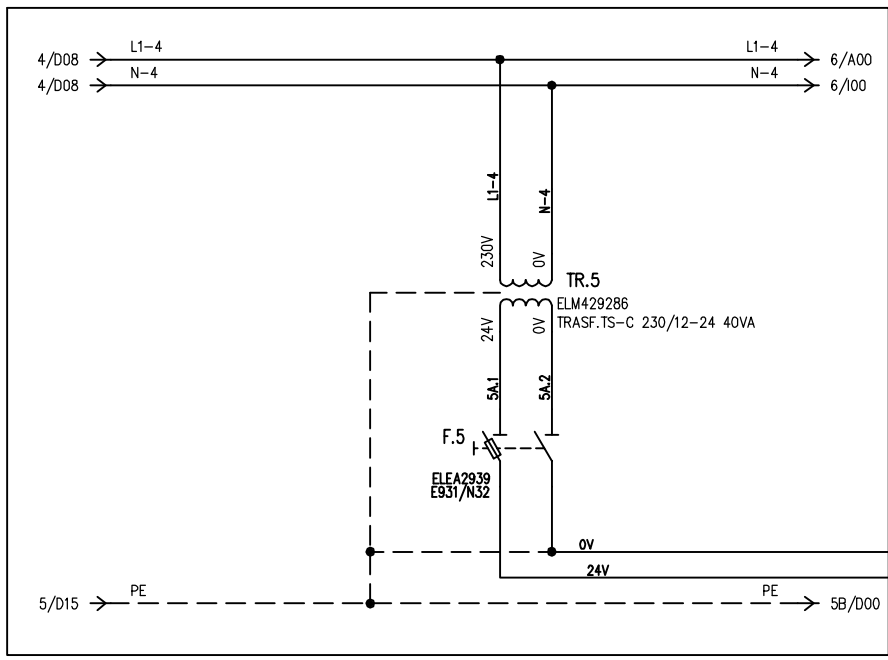
DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

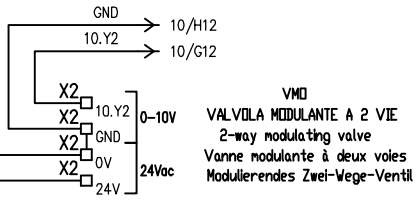
SEQUE' SUITE  
NEXT PAGE 5  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 32 BLÄTTER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |             |       |                |
|-----|---------------------|-----------------|----------|----------------------------------------------------|------------|---------------|-------------|---------------|--------------------------------------------------|---------|------------------|------------------|-------------|---------|-------------|-------|----------------|
|     | 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   | QUADRO EL. POMPA TRIFASE WRL - 2E00947()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00947() |         |                  |                  | FOGLIO      | 5       | PAGE        |       |                |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()   |         |                  |                  | 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   | 5A    | METIER         |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-421                                           |         | XXXX             |                  | 1100        |         | TOT. FOGLI  | 32    | 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<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                                 | kA                                             | 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 - 2E00947()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947()

TAFEL  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00947()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()

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

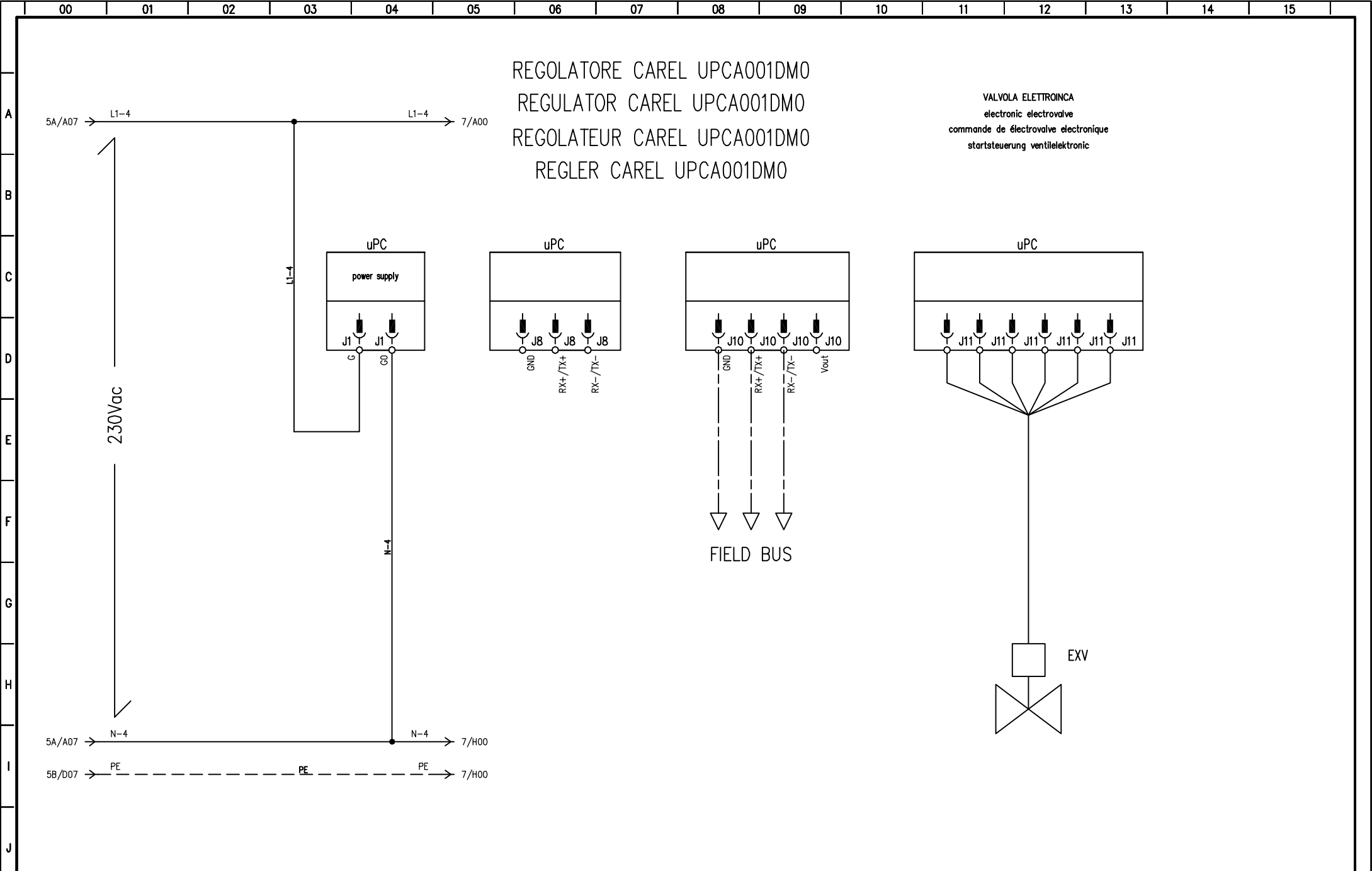
SUITE  
METTER

TOT. FOLII  
TOTAL PAGES

32

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   | QUADRO EL. POMPA TRIFASE WRL - 2E00947()           |            |               |             | TABLEAU       |          | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00947() |                  |                  |             | FOGLIO      | 5B | PAGE           |       |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947() |            |               |             | SCHALTAFEL    |          | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()   |                  |                  |             | 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.        |               | 10-421   |                                                  | XXXX             |                  | 1100        | TOT. FOGLI  | 32 | TOTAL FEUILLES |       |
|     |                     |                 |          |                                                    |            |               |             |               |          |                                                  |                  |                  |             | TOTAL PAGES |    | BLÄTTER GESAMT |       |

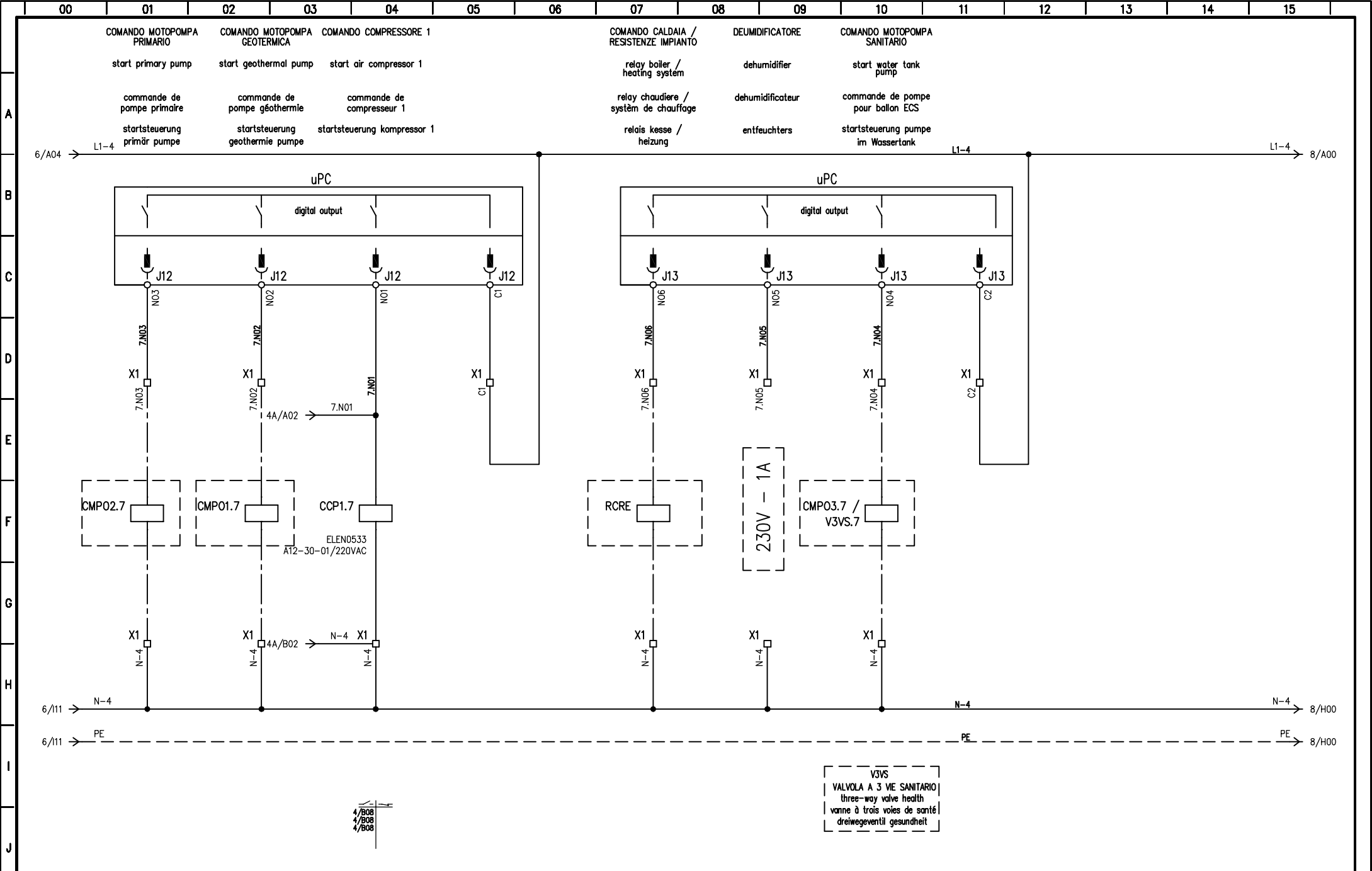


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |                |  |
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| CLIENTE<br>CUSTOMER |  | CLIENT<br>KUNDE |  | QUADRO     |  | QUADRO EL. POMPA TRIFASE WRL – 2E00947()           |  |             |  | TABLEAU       |  | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00947() |  |         |  | FOLIO            |  | PAGE             |  |             |  |                |  |
|                     |  |                 |  | BOARD      |  | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL – 2E00947() |  |             |  | SCHALTAFEL    |  | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL – 2E00947()   |  |         |  | PAGE             |  | 6                |  |             |  |                |  |
|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |                |  |
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| DATE                |  | DATUM           |  | UPDATING   |  | FORTSCHREIBEN                                      |  | TECHNICIAN  |  | DER ENTWERFER |  | DRAW NR.                                         |  | BILD    |  | DECLARATION NR.  |  | DER ANSAGEZETTEL |  | PROJECT NR. |  | PROJECT        |  |
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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00947()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00947()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()

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DATE 27/09/10

DATE  
DATUM

AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DECLARATION  
DER ANSAGEZETTEL

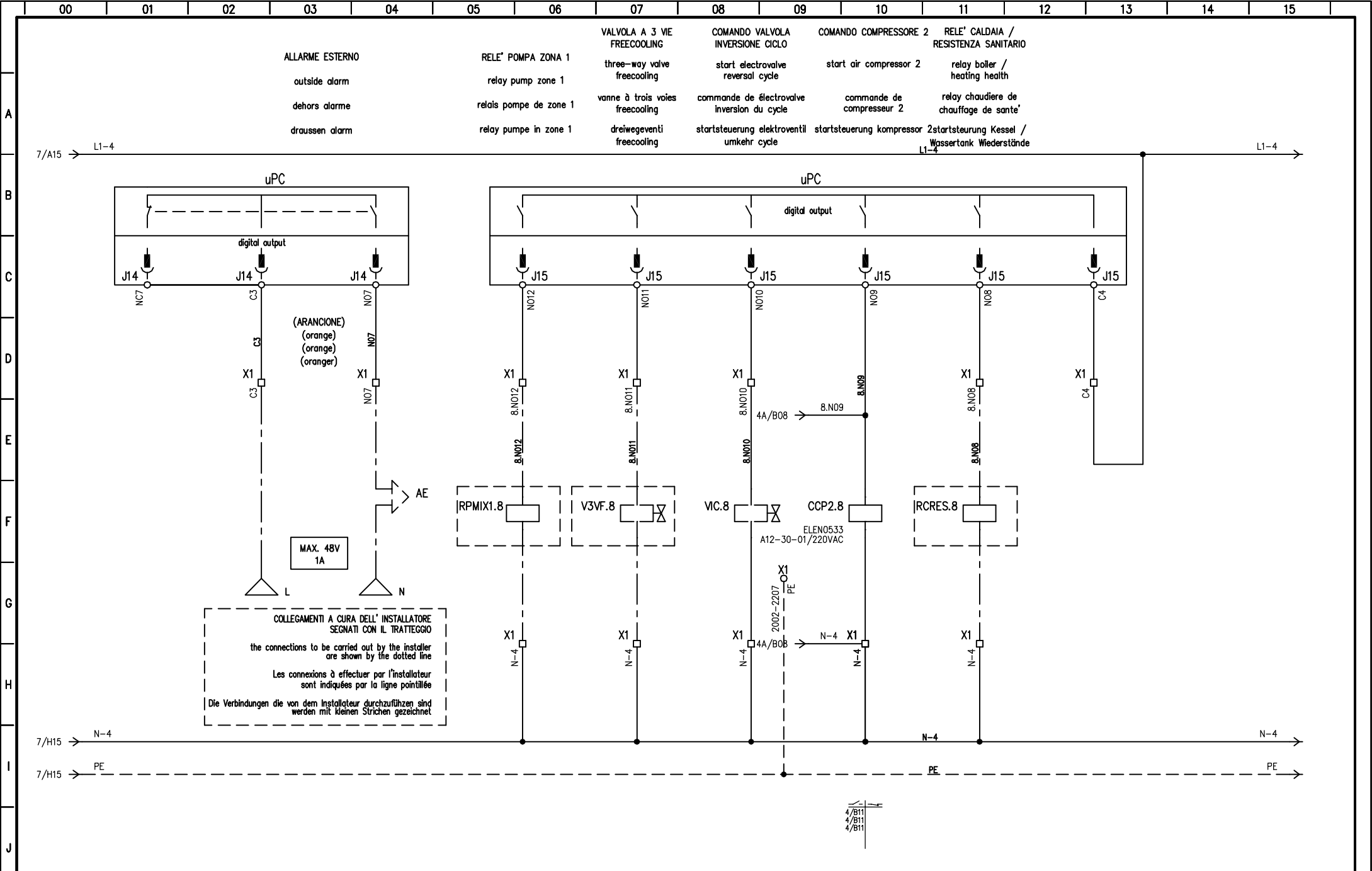
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PROJECT NR.

TRAVAIL  
PROJECT

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TOTAL PAGES

32

TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

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CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00947()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00947()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()

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PAGE 8

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Fortschreiben

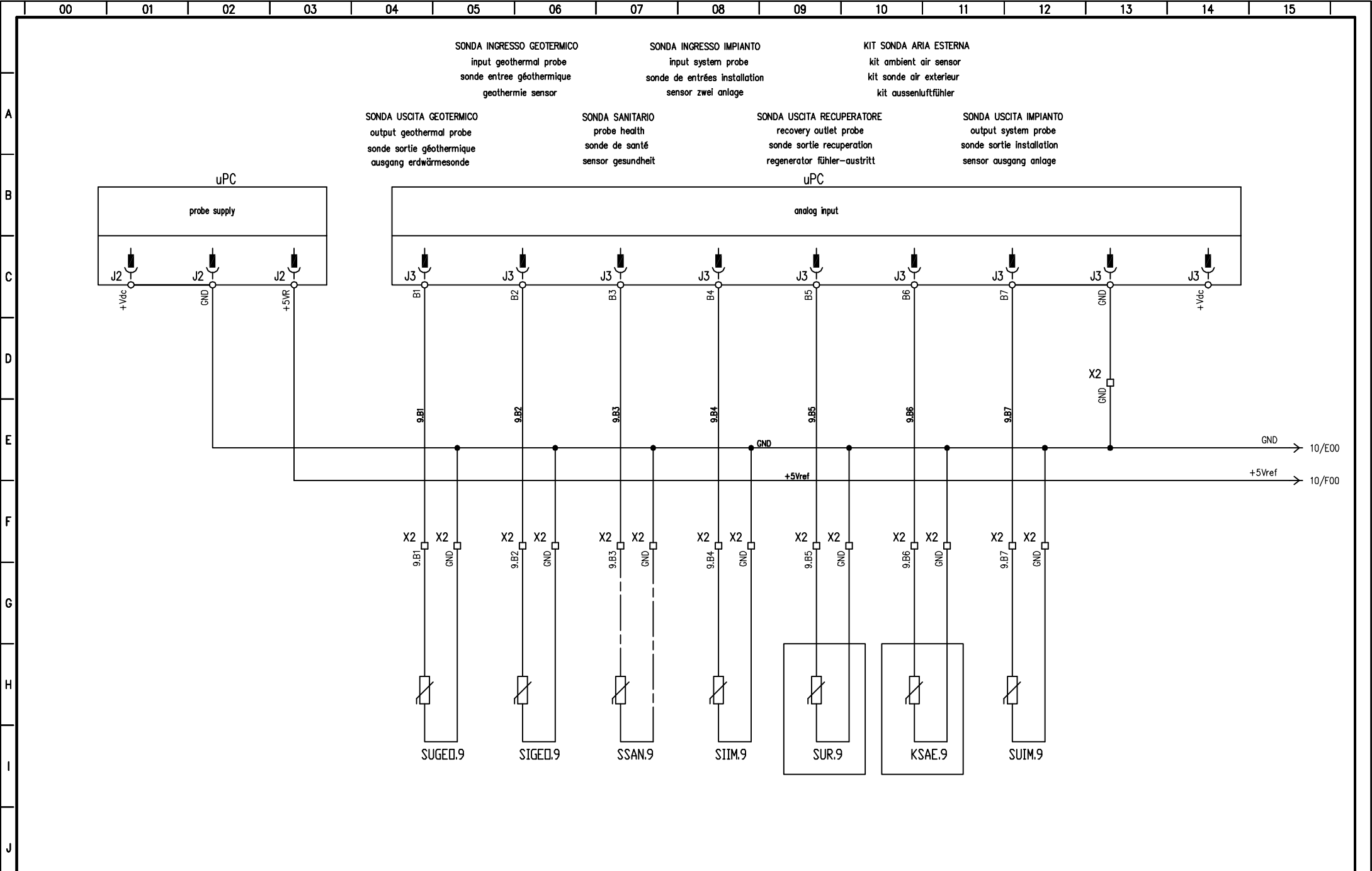
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TECHNICIAN  
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DER ENTWERFER  
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NR. DIS.  
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10-421

DICHIARAZIONE N°  
DECLARATION NR.  
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DER ANSAGEZETTEL  
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PROJECT NR.  
TRAVAIL  
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TOT. FOGLI  
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BLÄTTER GESAMT



WRL

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QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00947()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00947()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()

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DATE 27/09/10

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AGGIORNATO  
UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
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PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR. XXXX

DÉCLARATION  
DER ANSAGEZETTEL

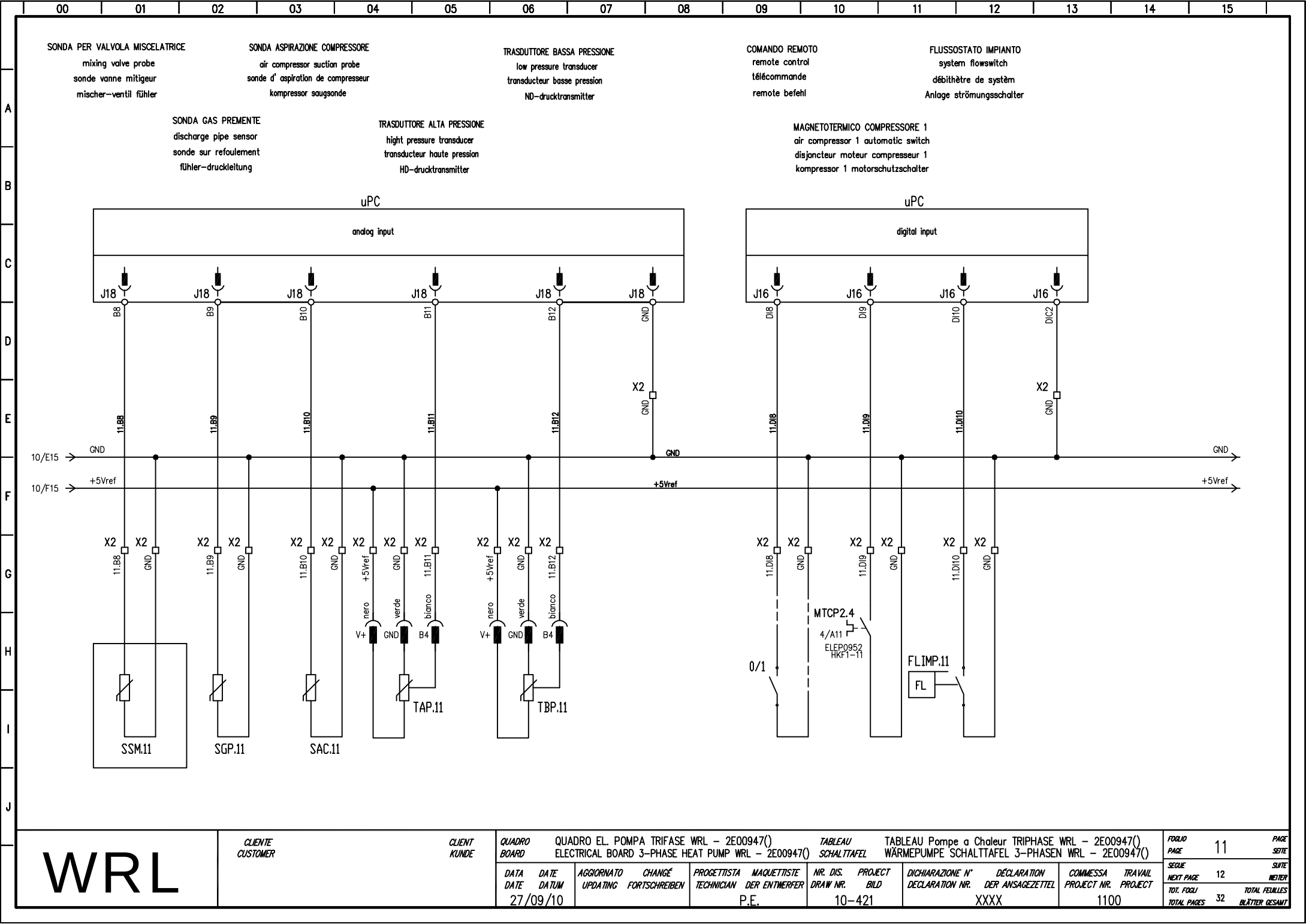
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PROJECT NR. 1100

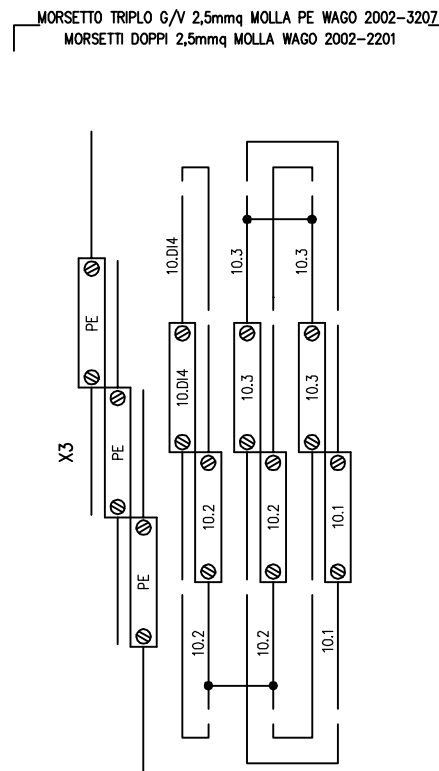
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MEIEN

TOT. FOGLI  
TOTAL PAGES 32 TOTAL FEUILLES  
BLÄTTER GESAMT





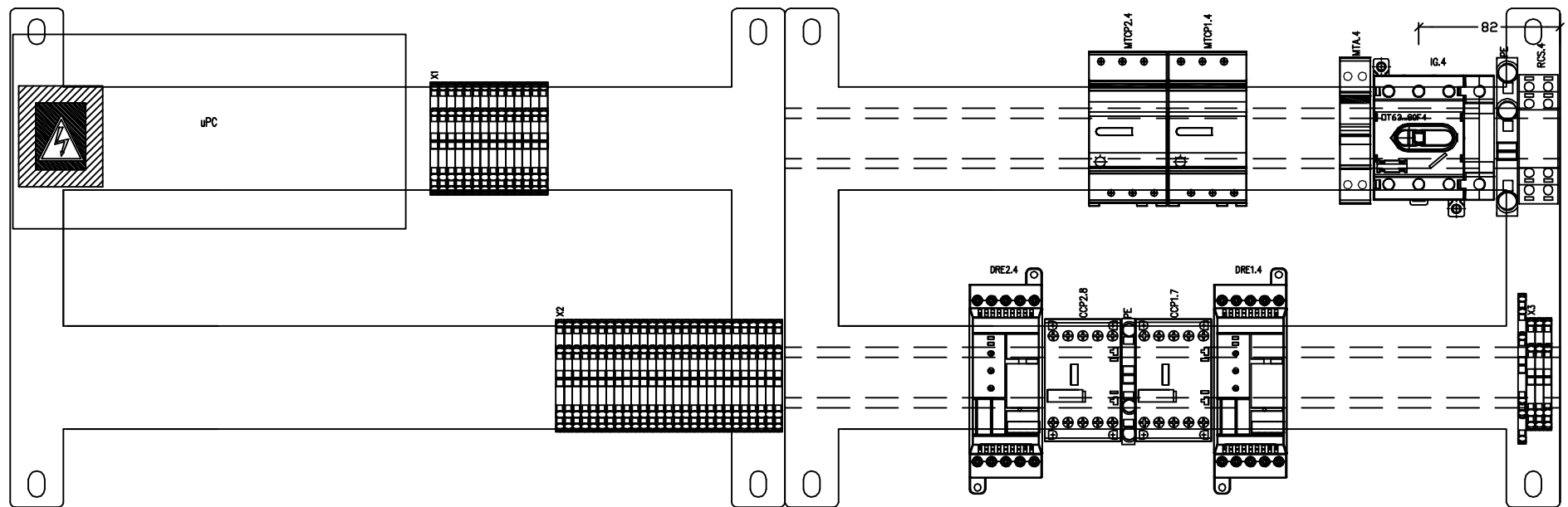


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MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

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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



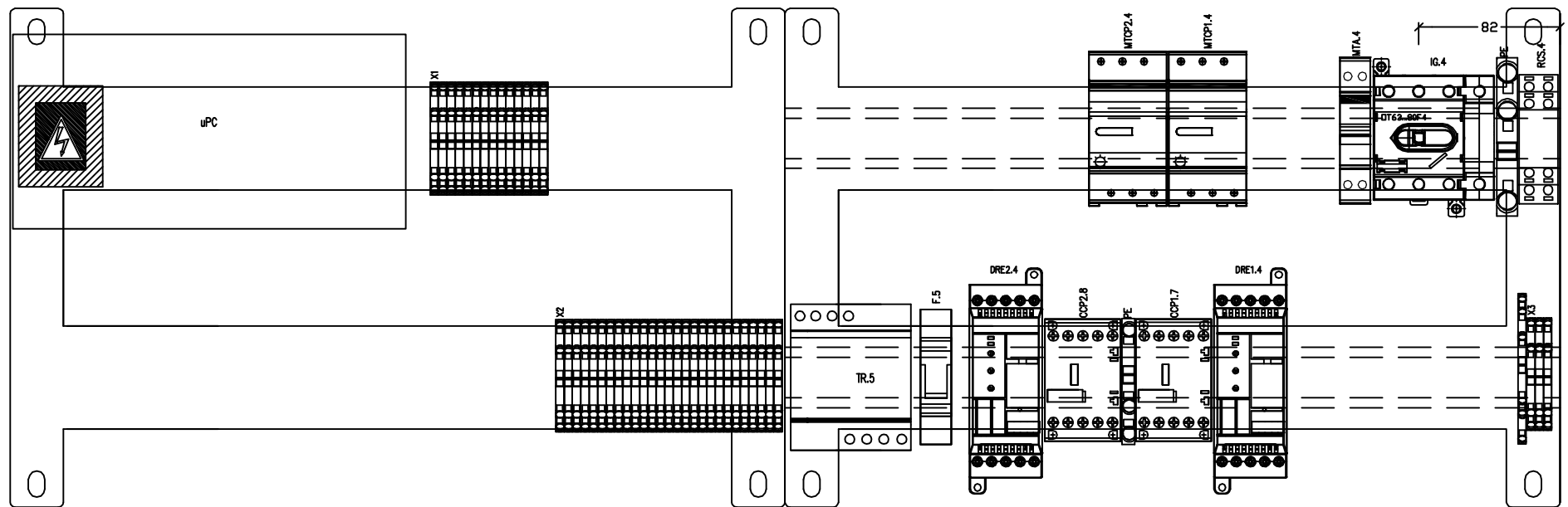
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| <input type="checkbox"/> Standard Board  | <input type="checkbox"/> serienmäßig schalttafel |

WRL

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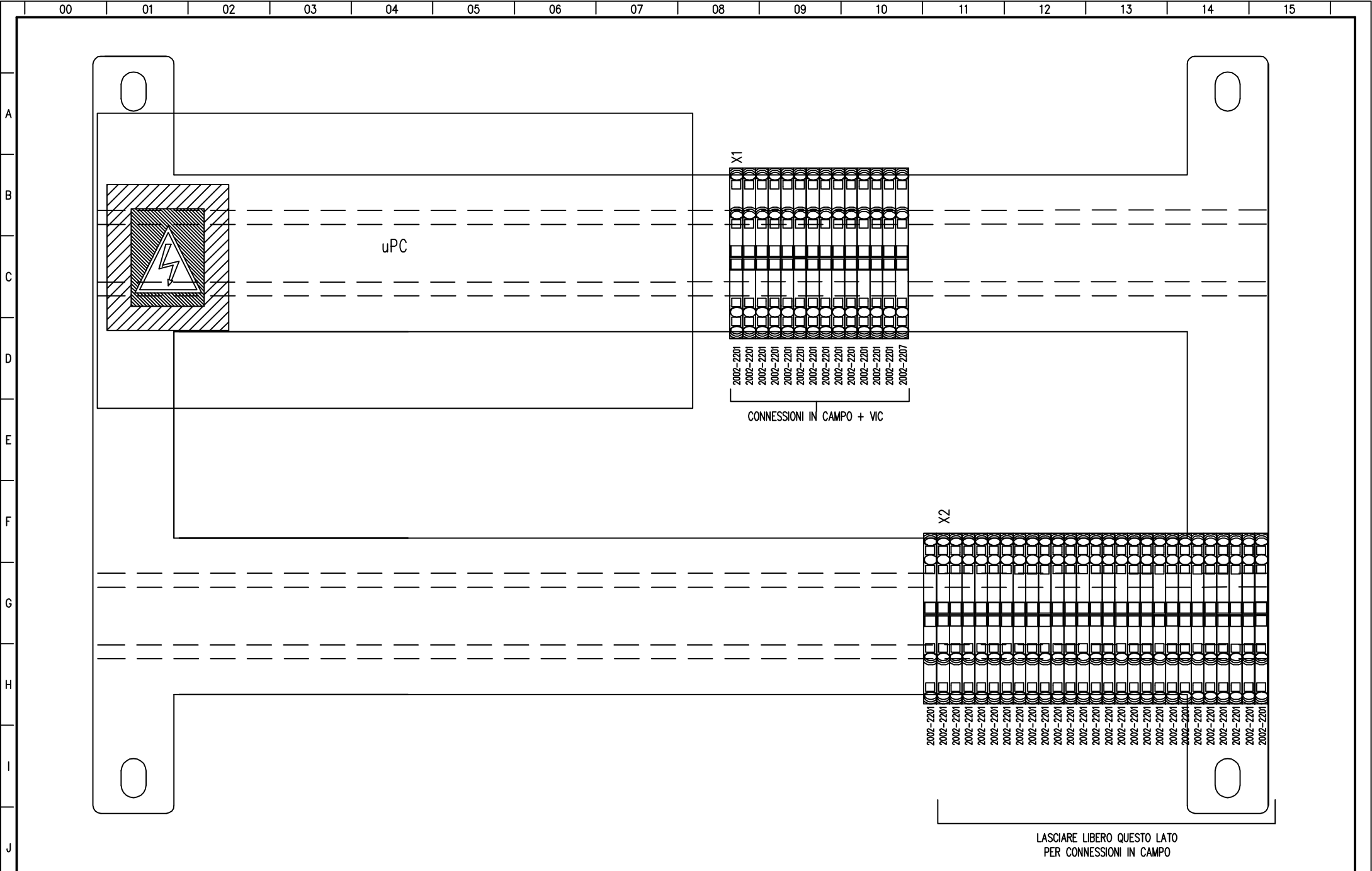
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| DATI TECNICI CARPENTERIA                                                                          | TECHNICAL DATA BOX                                                                             | DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                         |
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| 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



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

WRL



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00947()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00947()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()

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AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

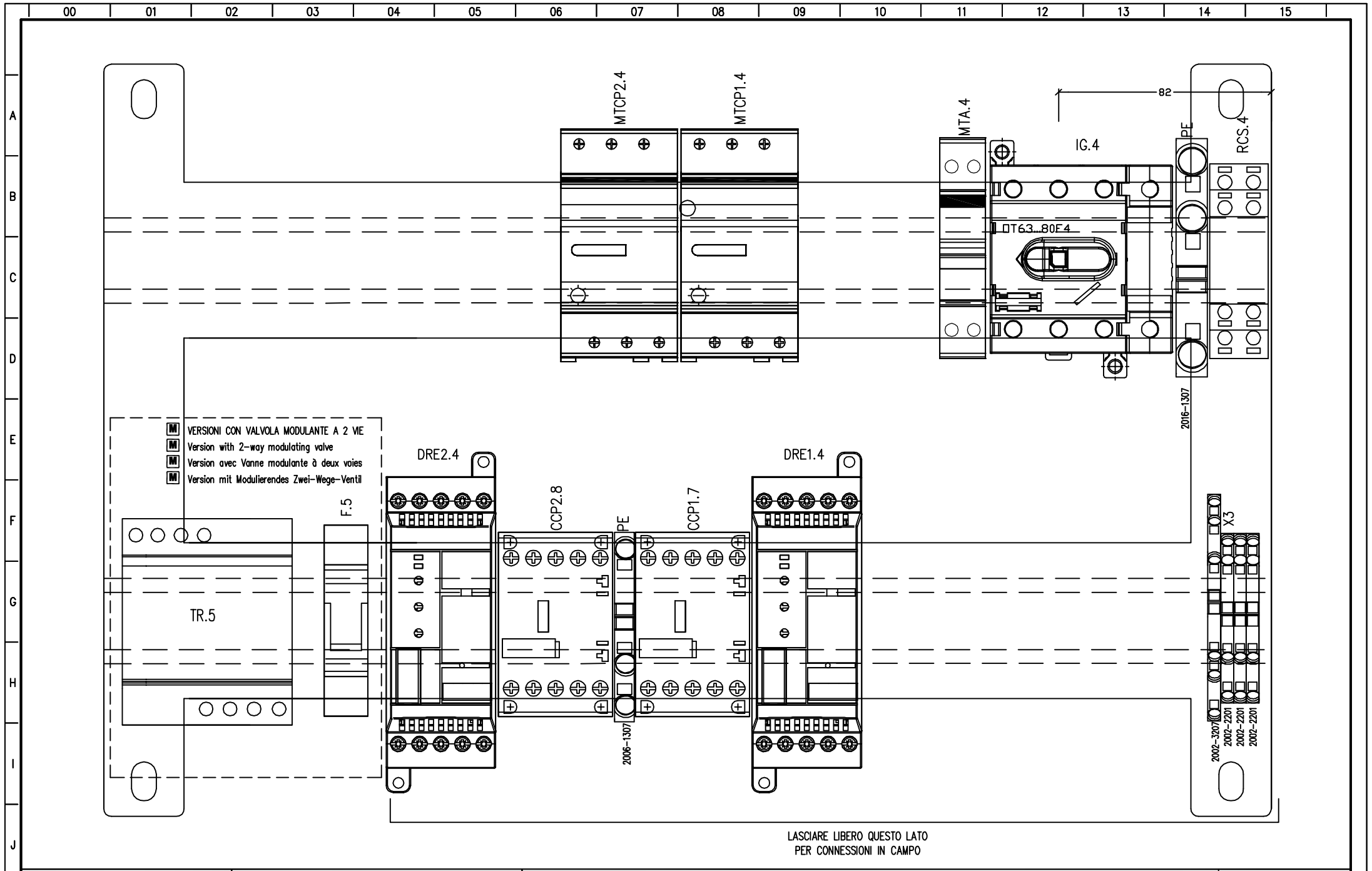
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DRAW NR. BILD  
10-421

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

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NEXT PAGE  
14C

SUITE  
TOTAL FEUILLES  
BLÄTTER GESAMT  
32



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00947()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00947()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00947()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00947()

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  
10-421

DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE 15  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 32 BLÄTTER GESAMT

|                                                       |            |           |        |
|-------------------------------------------------------|------------|-----------|--------|
| POMPA TRIFASE                                         |            |           | WRL100 |
| Quadro elettrico                                      |            | REV       |        |
| cod.                                                  | 2E00948    | 1         |        |
| cod.                                                  | 2E00948A   | 1         | A      |
| cod.                                                  | 2E00948M   | 1         | M      |
| cod.                                                  | 2E00948E   | 1         | E      |
|                                                       |            |           |        |
| rif.                                                  | 2E00789C_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"/> | 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 |

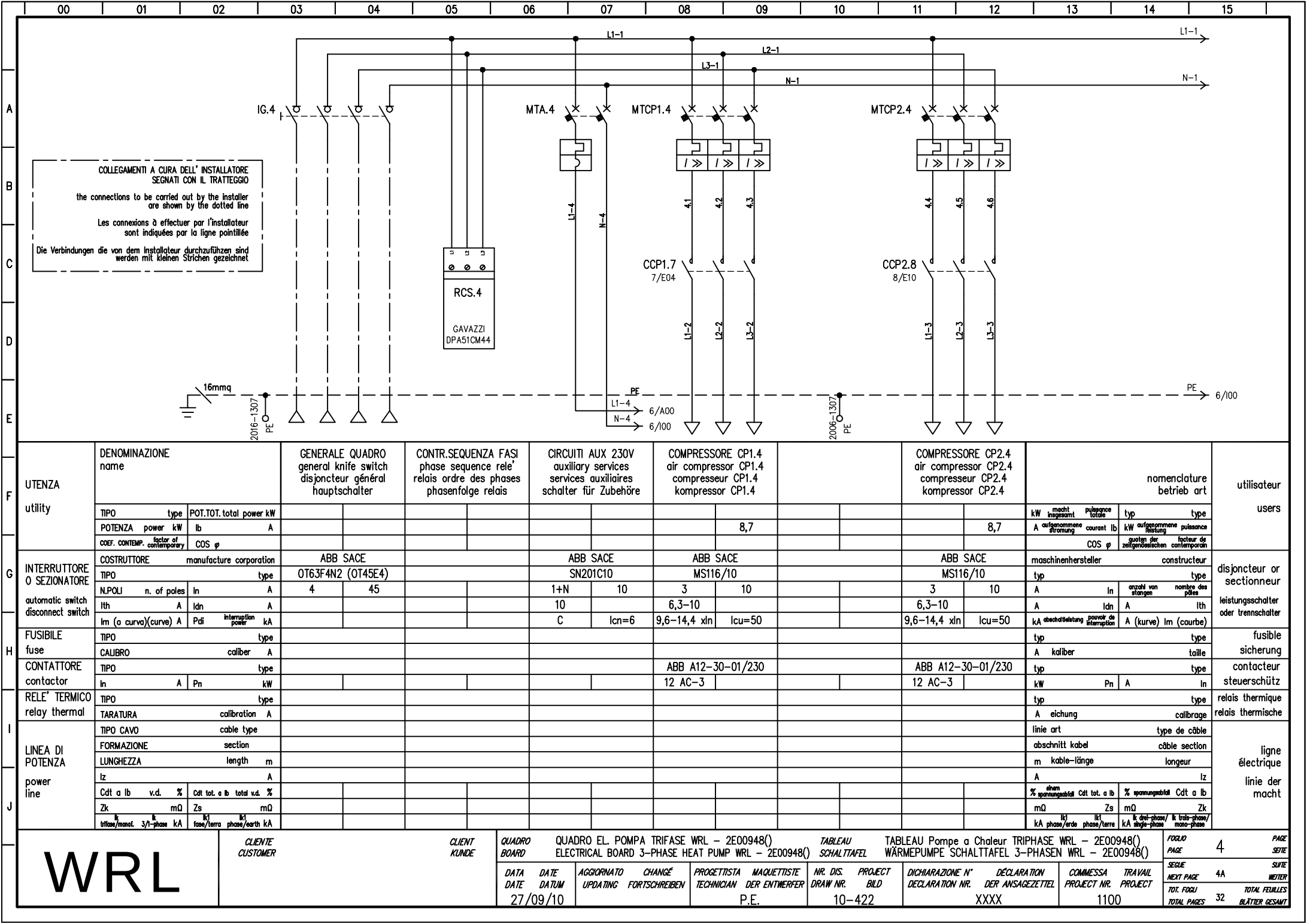
|                        |  |                     |  |                      |  |
|------------------------|--|---------------------|--|----------------------|--|
| WRL                    |  |                     |  |                      |  |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |  |
| COD. ARTICOLO          |  | Article Code        |  | 2E009480_01 03/03/11 |  |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE - 50 Hz 400V  |  |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V 400 Hz 50          |  |
| POMPA DI CALORE WRL100 |  | Heat Pump WRL100    |  | A Max 18,2           |  |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP 2x                |  |
| NOTE NR. LOTTO=        |  | Notes               |  | XXXX                 |  |

|                        |  |                     |  |                      |  |
|------------------------|--|---------------------|--|----------------------|--|
| WRL                    |  |                     |  |                      |  |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |  |
| Code Article           |  | Artikelcode         |  | 2E009480_01 03/03/11 |  |
| Alimentation           |  | Stromversorgung     |  | 3/N/PE - 50 Hz 400V  |  |
| Tension Nominale       |  | Nennspannung        |  | V 400 Hz 50          |  |
| Pompe a Chaleur WRL100 |  | Wärmepumpe WRL100   |  | A Max 18,2           |  |
| 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                 |
|                                                                                                                                                      |                 | 10-422                       |                                 |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                   |
|                                                                                                                                                      |                 | 27/09/10                     |                                 |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN         |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00948                      | 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                         |                                 |

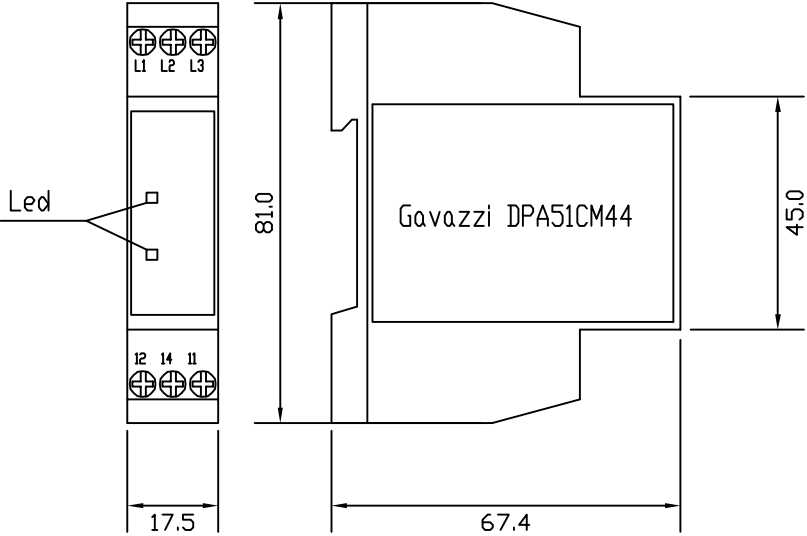
| 00 |                                                                                                                                                                                                                                                                                                                                                                                                   | 01 | 02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| A  | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                          |    | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DEUTSCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DEUTSCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |    |    |    |
|    | O/1<br>AE<br>AL<br>ALDEO<br>ALSAN<br>ALIMP<br>BL<br>CCP<br>CP<br>CMPO<br>RCRE<br>RCRES<br>DCP                                                                                                                                                                                                                                                                                                     |    | INTERRUTTORE ACCESO/SPENTO<br>ALLARME ESTERNO<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>BLU<br>CONTATTATORE COMPRESSORE<br>COMPRESSORE<br>CONTATTATORE MOTOPOMPA<br>RELE' CALDAIA/RESISTENZA IMPIANTO<br>RELE' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE 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<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>rele'<br>"high pressure" relay<br>compressor oil heater<br>air compressor rele'<br>phase sequence relay<br>antifreeze resistances<br>antifreeze recovery<br>pump rele'<br>heating device<br>economizer rele'<br>tray resistance<br>second set<br>thermal emergencies<br>delayed rele'<br>discharge gas thermostat<br>Transformer<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>reverse 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 exterieur<br>alarme<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudiere/resistance<br>bleue<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudiere/système de chauffage<br>relay chaudiere de chauffage de sante'<br>dispositif pour basse temperature<br>dehumidificateur<br>démarrreur<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase von Stromversorgung<br>klemmen<br>braun<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>magnetho-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>commode 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 entfuechter<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>anlasser<br>sicherung<br>Funkentstörung<br>Hauptschalter<br>phasen vom Stromversorgung<br>klemmen<br>braun<br>startsteuerung klemmen<br>Geothermie pompe<br>primär pompe<br>pumpe im Wassertank<br>klemmen der gouverneur 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>hockdruckrelais<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<br>thermischer<br>sicherheit heizvorrichtung thermischer<br>thermischer economizer<br>thermistor gebläse<br>dreiwegenventil freecooling<br>dreiwegenventil gesundheit<br>umkehrventil<br>liquid abfangen magnetventil<br>Modullerendes 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>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" 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 électrovalve electronique<br>débithètre géothermie<br>débithètre de système<br>bornes de pressostat "gran pression"<br>bornes de pressostat "basse pression"<br>sonde air exterieur<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 sortie géothermique<br>sonde sortie instalation<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>stromungswaechter<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 erdwärsonde<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 |                                                              |    |    |    |
| B  | DRE<br>FUSIBILE<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>TP<br>TSME<br>TSRE<br>TSRI<br>TSVSE<br>TV<br>V3VF<br>V3VS<br>VIC<br>VLS<br>VMD<br>VMS<br>VMIX1<br>VS<br>VSE |    | AVMATORE<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 | AVMATORE<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                                                                                                                                                                                            | 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<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>rele'<br>"high pressure" relay<br>compressor oil heater<br>air compressor rele'<br>phase sequence relay<br>antifreeze resistances<br>antifreeze recovery<br>pump rele'<br>heating device<br>economizer rele'<br>tray resistance<br>second set<br>thermal emergencies<br>delayed rele'<br>discharge gas thermostat<br>Transformer<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>reverse 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 exterieur<br>alarme<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudiere/resistance<br>bleue<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudiere/système de chauffage<br>relay chaudiere de chauffage de sante'<br>dispositif pour basse temperature<br>dehumidificateur<br>démarrreur<br>fusible<br>antiparasitage<br>Interrupteur général<br>phase von Stromversorgung<br>klemmen<br>braun<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>magnetho-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>commode 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 entfuechter<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>anlasser<br>sicherung<br>Funkentstörung<br>Hauptschalter<br>phasen vom Stromversorgung<br>klemmen<br>braun<br>startsteuerung klemmen<br>Geothermie pompe<br>primär pompe<br>pumpe im Wassertank<br>klemmen der gouverneur 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>hockdruckrelais<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<br>thermischer<br>sicherheit heizvorrichtung thermischer<br>thermischer economizer<br>thermistor gebläse<br>dreiwegenventil freecooling<br>dreiwegenventil gesundheit<br>umkehrventil<br>liquid abfangen magnetventil<br>Modullerendes Zwei-Wege-Ventil<br>RegelVentil gesundheit<br>mischer-Ventil zone 1<br>elektroventil injection vom flüssigen<br>elektroventil economizer | MPO1B<br>MPO1U<br>MPOI |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pump standard<br>Pump Erhöhten Volumenstrom<br>Inverter pump |    |    |    |
| C  | COMPONENTI FORNITI<br>COME OPTIONAL                                                                                                                                                                                                                                                                                                                                                               |    | COMPONENTI<br>NON FORNITI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|    | COMPONENTI<br>NON FORNITI                                                                                                                                                                                                                                                                                                                                                                         |    | COMPONENTI<br>NON FORNITI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| D  | COLLEGAMENTI<br>DA ESEGUIRE IN CANTIERE                                                                                                                                                                                                                                                                                                                                                           |    | COLLEGAMENTI<br>DA ESEGUIRE IN CANTIERE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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|    | COLLEGAMENTI<br>DA ESEGUIRE IN CANTIERE                                                                                                                                                                                                                                                                                                                                                           |    | COLLEGAMENTI<br>DA ESEGUIRE IN CANTIERE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| E  | QUADRO EL. POMPA TRIFASE WRL - 2E00948()                                                                                                                                                                                                                                                                                                                                                          |    | QUADRO EL. POMPA TRIFASE WRL - 2E00948() <td>TABLEAU<br/>SCHALTZTAFEL</td> <td>TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00948()</td> <td>FOLIO<br/>PAGE</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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|    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948()                                                                                                                                                                                                                                                                                                                                                |    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948() <td>SCHALTZTAFEL</td> <td>WÄRMEPUMPE SCHALTZTAFEL 3-PHASEN WRL - 2E00948()</td> <td>2</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| F  | DATA DATE                                                                                                                                                                                                                                                                                                                                                                                         |    | DATA DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| G  | AGGIORNATO<br>UPDATING                                                                                                                                                                                                                                                                                                                                                                            |    | AGGIORNATO<br>UPDATING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PROGETTISTA<br>TECHNICIAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | COMMESSA<br>PROJECT NR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TOT. FOGLI<br>TOTAL PAGES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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|    | P.E.                                                                                                                                                                                                                                                                                                                                                                                              |    | P.E. <td>10-422</td> <td>1100</td> <td>32</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| J  | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                               |    | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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|    | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                               |    | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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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 - 2E00948()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948() |               | TABLEAU<br>SCHALTAFEL  |                         | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00948()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00948() |                              | Foglio<br>PAGE        |                 | 4A                                  |                                 | PAGE<br>SEITE           |                    |                           |                 |
|     |                     |                 | DATA<br>DATE                                                                                   | DATE<br>DATUM | AGGIORNATO<br>UPDATING | CHANGÉ<br>FORTSCHREIBEN | PROGETTISTA<br>TECHNICIAN                                                                          | MAQUETTISTE<br>DER ENTWERFER | N.R. 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        | SUITE<br>NEXTER |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                                                                                               |                              | 10-422                |                 | XXXX                                |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 32              |

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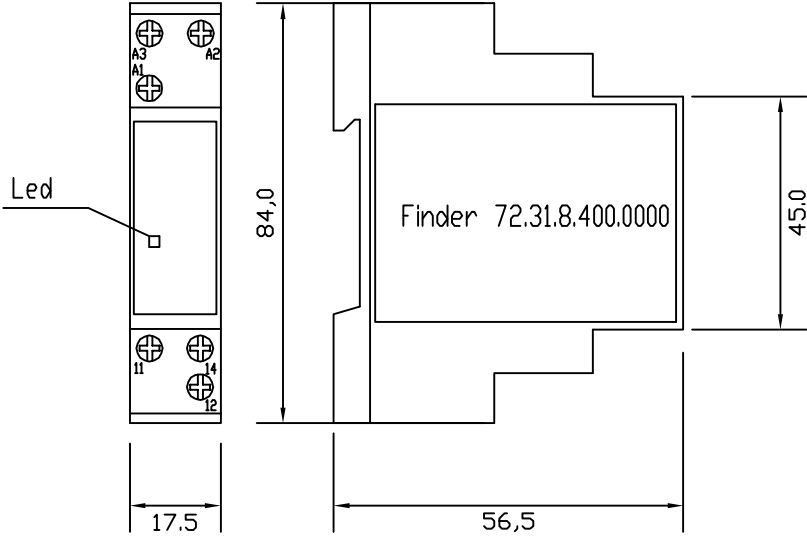
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QUADRO EL. POMPA TRIFASE WRL - 2E00948()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948()

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WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00948()

FOGLIO  
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27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
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PROGETTISTA MAQUETTISTE  
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10-422

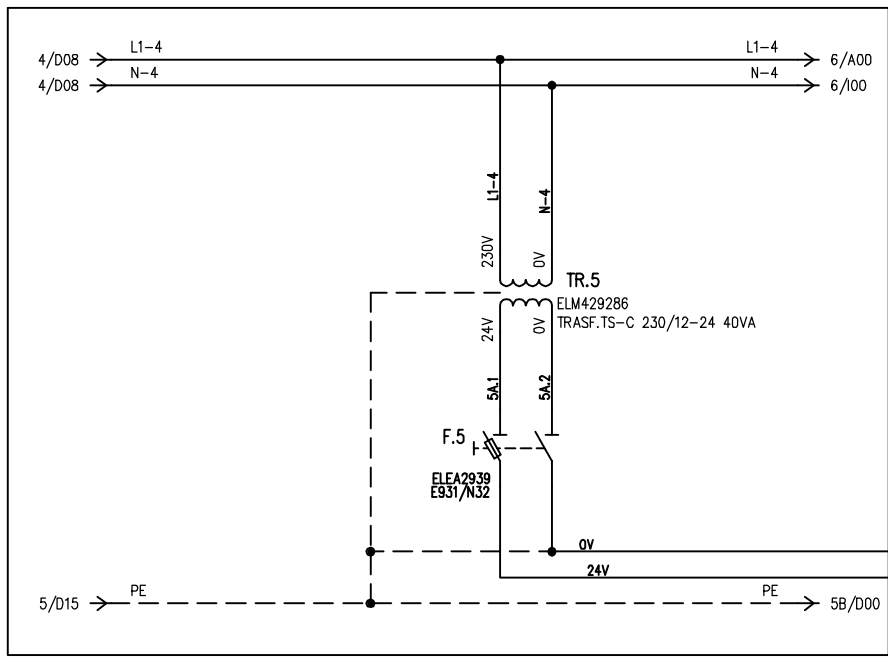
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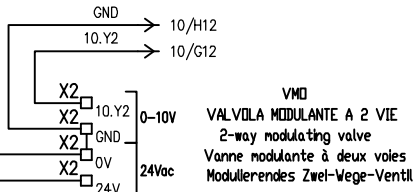
SEQUIT  
NEXT PAGE 5  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 32 BLATTIER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |        |
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|     | 00                  | 01              | 02       | 03                                                 | 04         | 05            | 06          | 07            | 08                                               | 09      | 10               | 11               | 12          | 13      | 14             | 15 |        |
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| B   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |        |
| C   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |        |
| D   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |        |
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| G   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |        |
| H   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |        |
| I   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |        |
| J   |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         |                |    |        |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00948()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00948() |         |                  |                  | FORNID      | 5       | PAGE           |    |        |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00948()   |         |                  |                  | 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 | MEETER |
|     |                     |                 | 27/09/10 |                                                    |            | P.E.          |             | 10-422        |                                                  | XXXX    |                  | 1100             | TOT. FOGLI  | 32      | TOTAL FEUILLES |    |        |
|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  | TOTAL PAGES |         | BLÄTTER GESAMT |    |        |

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- 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>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>pouvoir de<br>interruption | A (kurve) Im (courbe)            |                            |                          |              |          |
|                                                                            | TIPO                                   | type                      |                         | 10x38                                                                                   |            |                                                                                    |            |             |    |    |    |                |           | typ                                 |                                                | type                             |                            |                          |              |          |
| CONTACTTORE<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. | %                                                                                  |            |             |    |    |    |                |           |                                     | %                                              | shem<br>spannungsbil             | Cdt tot. a lb              | %                        | spannungsbil | Cdt a lb |
|                                                                            | Zk                                     | mQ                        |                         | Zs                                                                                      | mQ         |                                                                                    |            |             |    |    |    |                |           |                                     | mQ                                             | Zs                               | mQ                         | Zk                       |              |          |
|                                                                            | lk                                     | trifase/monof.            | 3/1-phase               | lk                                                                                      | kA         | fk                                                                                 | fase/terra | phase/earth | lk | kA | lk | trifase/monof. | 3/1-phase | lk                                  | kA                                             | lk                               | trifase/monof.             | 3/1-phase                | lk           | kA       |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00948()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948()

TABEALU  
SCHALTAFEL

TABEALU Pompe a Chaleur TRIPHASE WRL - 2E00948()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00948()

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UPDATING

CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
DRAW NR.

PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION NR.

DÉCLARATION  
DER ANSAGEZETTEL

COMMESSA  
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TRAVAIL  
PROJECT

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P.E.

10-422

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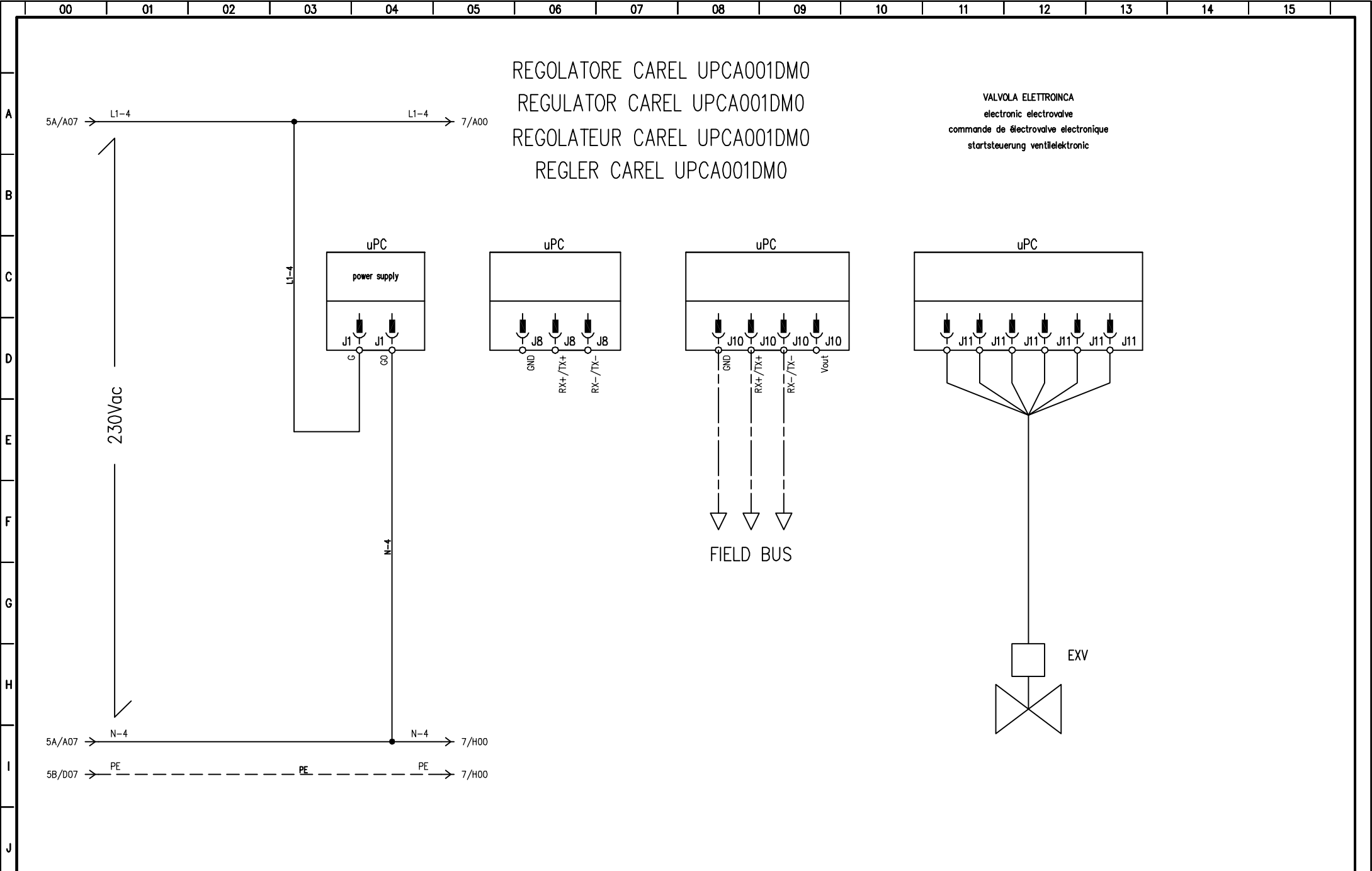
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TOT. FOLII  
TOTAL PAGES

32

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 - 2E00948()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00948()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00948() |                                 |                         |                    | 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. | 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>MEETER                  |               |
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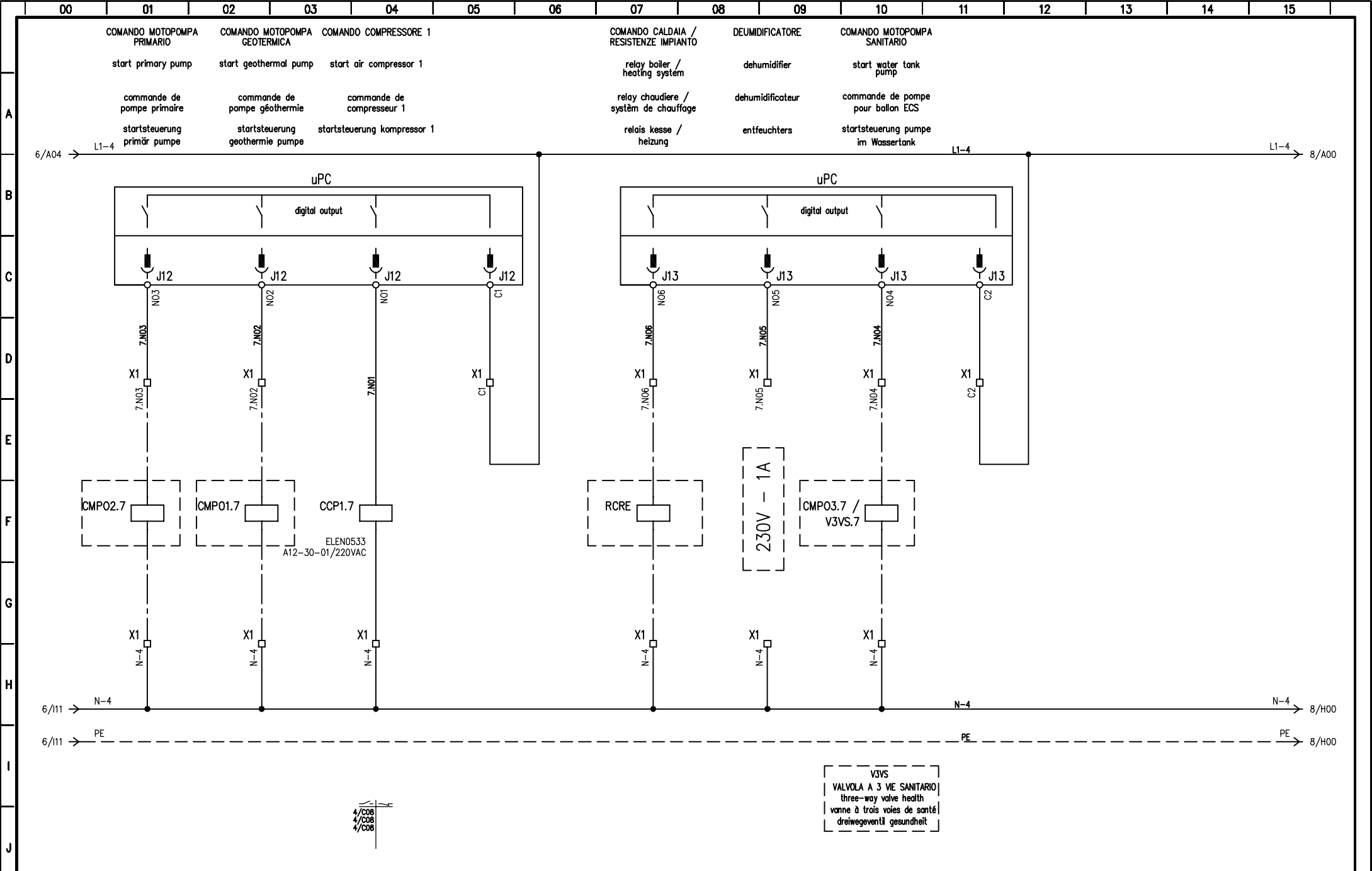


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |  |                 |  |            |  |                                                    |  |             |  |                                                  |  |             |  |                |  |
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| CLIENTE<br>CUSTOMER |  | CLIENT<br>KUNDE |  | QUADRO     |  | QUADRO EL. POMPA TRIFASE WRL – 2E00948()           |  | TABLEAU     |  | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00948() |  | Foglio      |  | PAGE           |  |
|                     |  |                 |  | BOARD      |  | ELECTRICAL BOARD 3–PHASE HEAT PUMP WRL – 2E00948() |  | SCHALTAFEL  |  | WÄRMEPUMPE SCHALTAFEL 3–PHASEN WRL – 2E00948()   |  | 6           |  | SEITE          |  |
| DATA                |  | DATE            |  | AGGIORNATO |  | CHANGÉ                                             |  | PROGETTISTA |  | MAQUETTISTE                                      |  | NR. DIS.    |  | PROJECT        |  |
| DATE                |  | DATUM           |  | UPDATING   |  | FORTSCHREIBEN                                      |  | TECHNICIAN  |  | DER ENTWERFER                                    |  | DRAW NR.    |  | BILD           |  |
| 27/09/10            |  |                 |  |            |  |                                                    |  | P.E.        |  |                                                  |  | 10–422      |  |                |  |
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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00948()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00948()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00948()

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UPDATING

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FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
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DICHIARAZIONE N°  
DECLARATION NR. XXXX

DECLARATION  
DER ANSAGEZETTEL

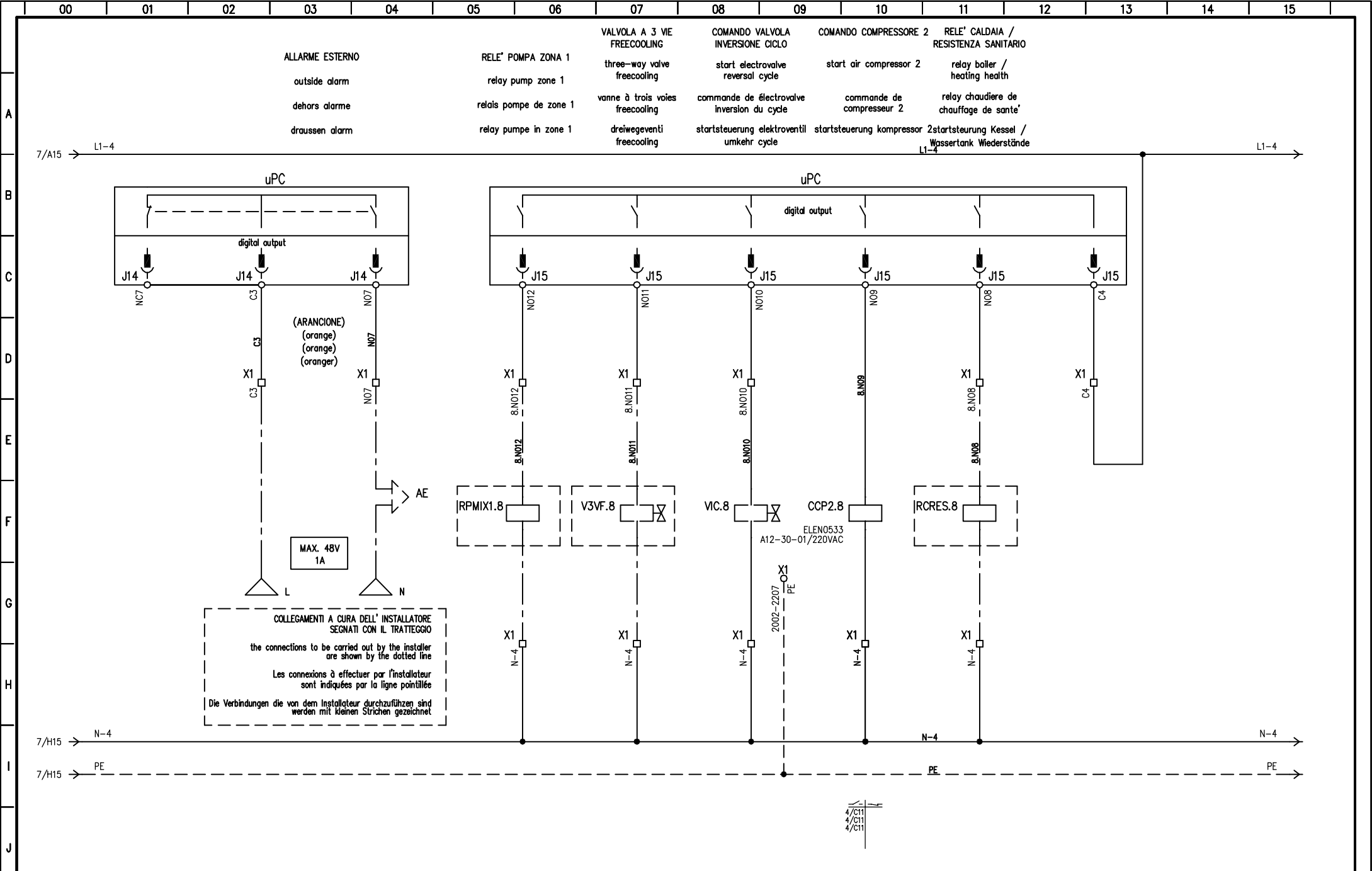
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TRAVAIL  
PROJECT

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TOTAL FEUILLES  
BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00948()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00948()  
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AGGIORNATO  
DATE

CHANGÉ  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
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PROJECT  
BILD

DICHIARAZIONE N°  
DECLARATION

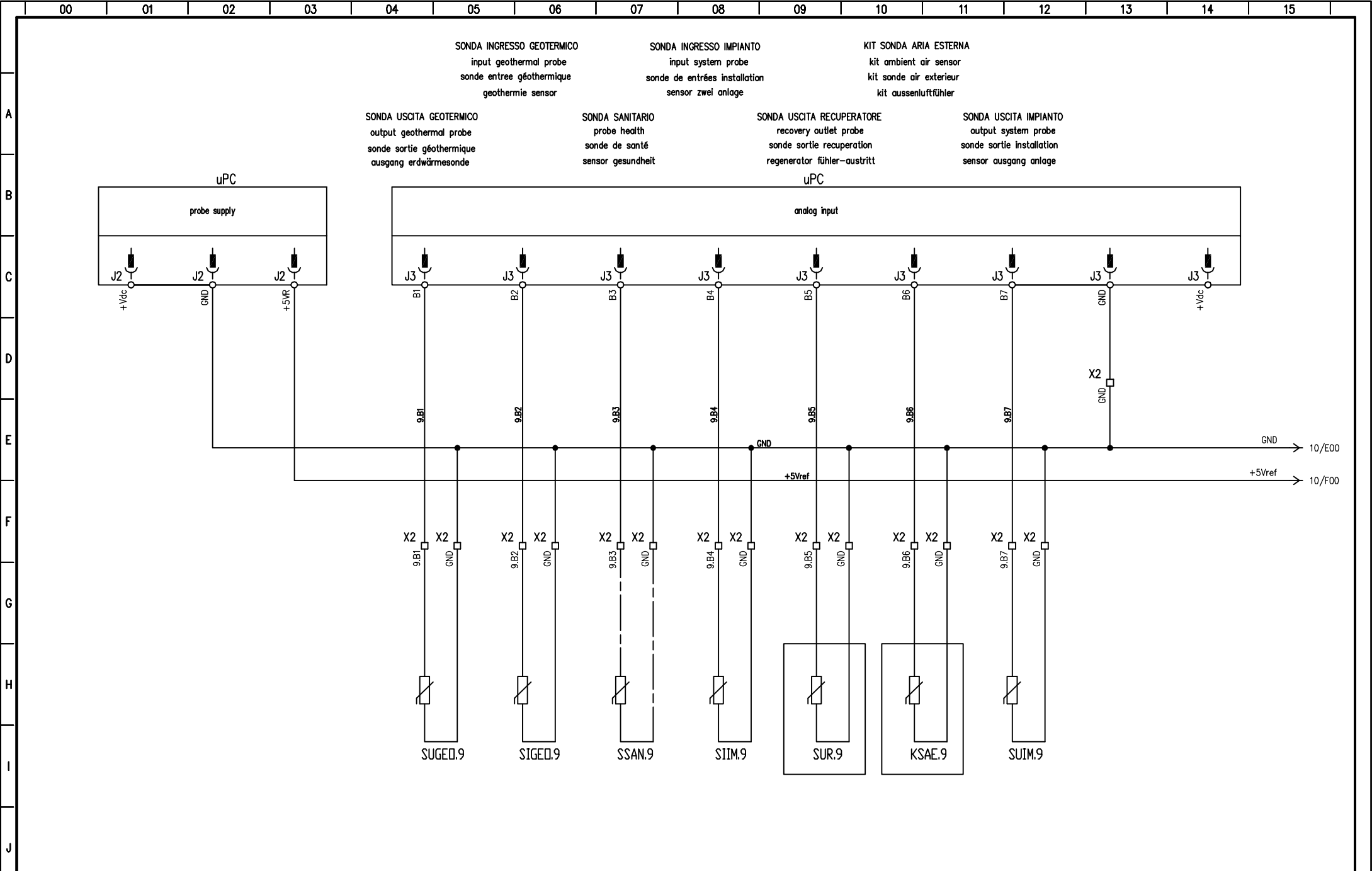
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BLATTIER GESAMT



WRL

CLIENTE  
CUSTOMER

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KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00948()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00948()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00948()

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UPDATING FORTSCHREIBEN

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER

NR. DIS. PROJECT  
DRAW NR. BILD  
10-422

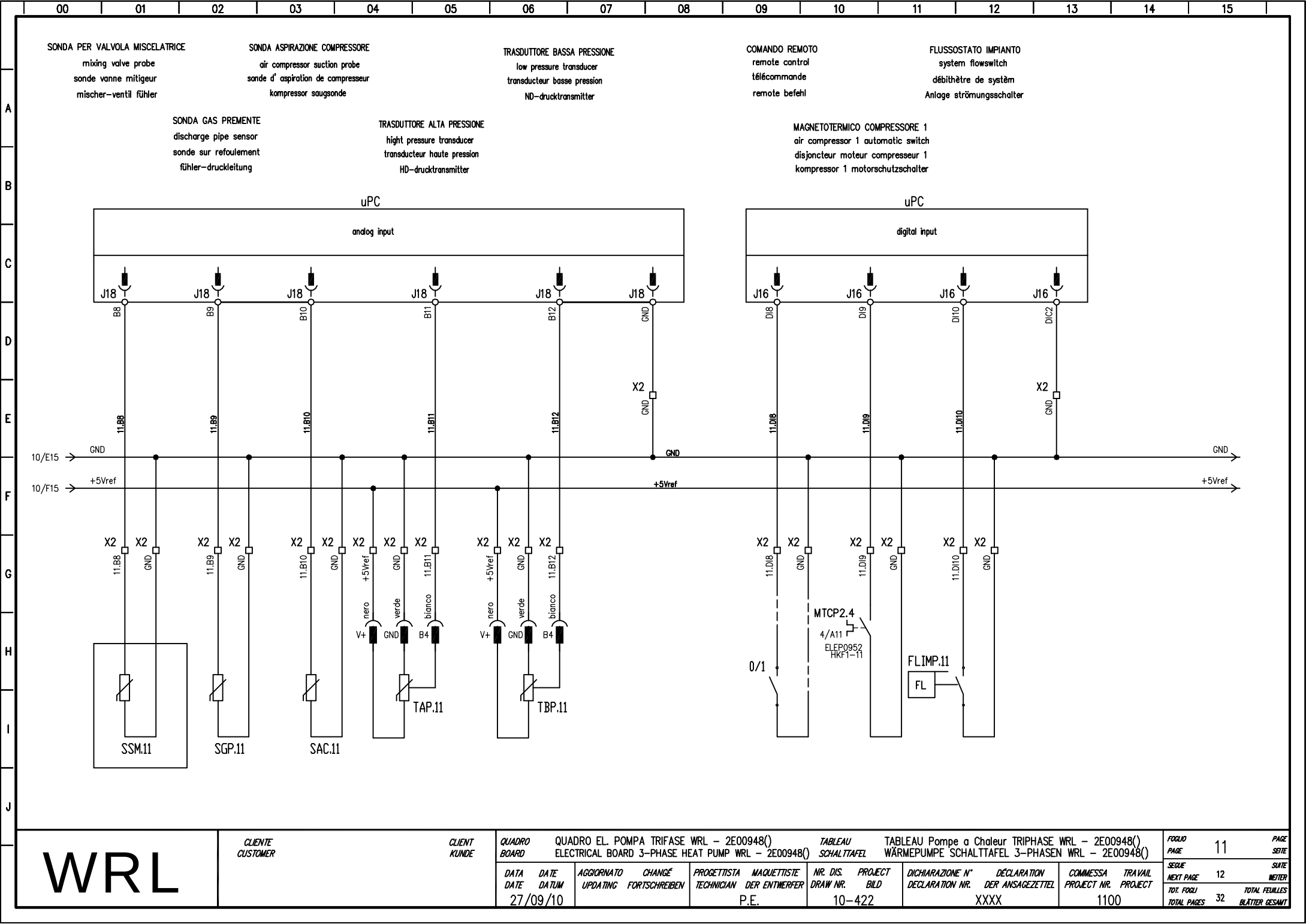
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PROJECT NR. PROJECT  
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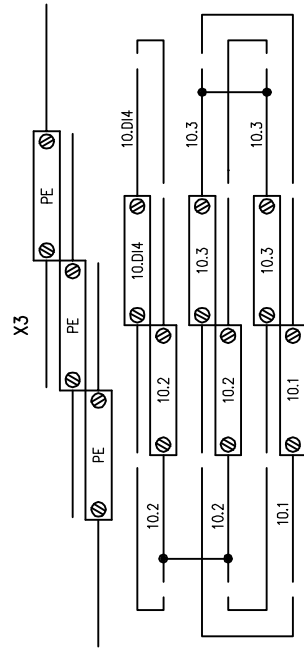
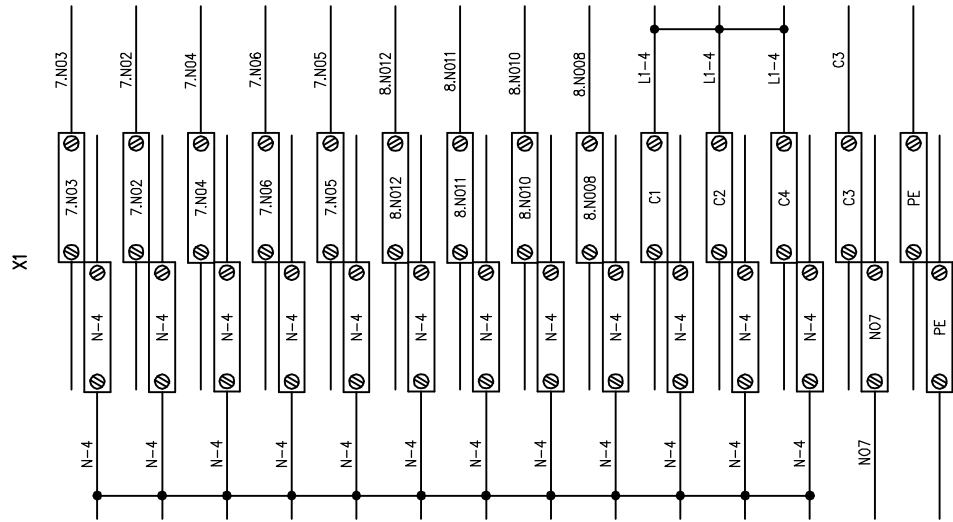
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BLATTIER GESAMT





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 - 2E00948()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948()

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°  
DECLARATION NR.

DÉCLARATION  
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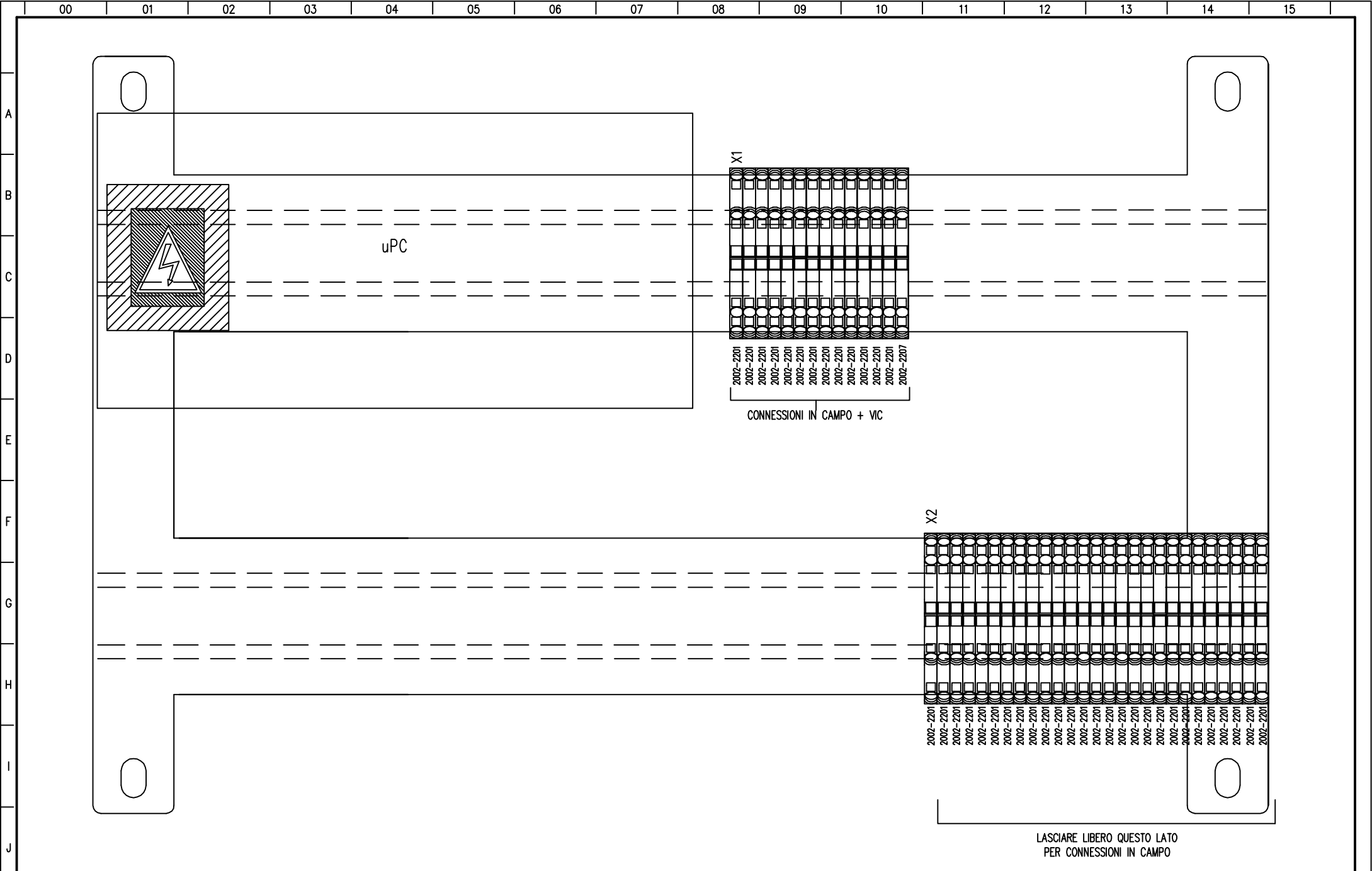
32

TOTAL FEUILLES  
BLATTIER GESAMT

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 - 2E00948()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948()

TABEUA  
SCHALTAFEL

TABEUA Pompe a Chaleur TRIPHASE WRL - 2E00948()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00948()

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UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
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NR. DIS. PROJECT  
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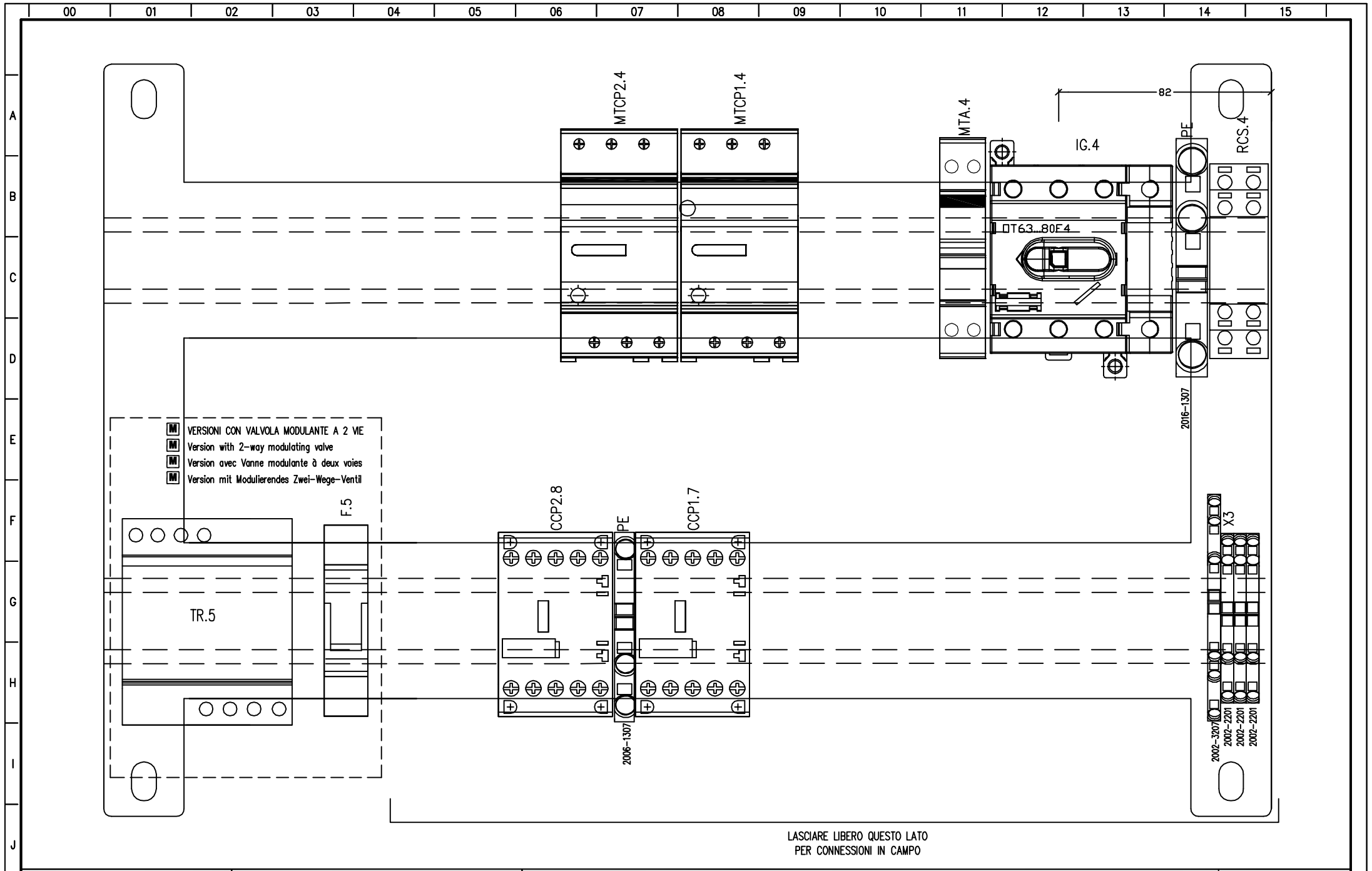
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FEUILLES  
BLÄTTER GESAMT



WRL

|                     |                 |                 |  |                                                                                                |  |                        |  |                                                                                                    |  |                           |  |                              |               |                      |                |                 |  |                                   |  |                                 |  |                         |  |                    |  |                              |  |                               |  |
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| CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO<br>BOARD |  | QUADRO EL. POMPA TRIFASE WRL - 2E00948()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00948() |  | TABLEAU<br>SCHALTAFEL  |  | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00948()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00948() |  | FOLIO<br>PAGE             |  | 14C                          | PAGE<br>SEITE |                      |                |                 |  |                                   |  |                                 |  |                         |  |                    |  |                              |  |                               |  |
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|                     |                 | 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 |  | DICHIAZIONE N°<br>DECLARATION NR. |  | DÉCLARATION<br>DER ANSAGEZETTEL |  | COMMESSA<br>PROJECT NR. |  | TRAVAIL<br>PROJECT |  | TOT. FOLII<br>TOTAL FEUILLES |  | TOTAL PAGES<br>BLÄTTER GESAMT |  |
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|                                                       |            |           |                  |
|-------------------------------------------------------|------------|-----------|------------------|
| POMPA TRIFASE                                         |            |           | WRL140<br>WRL160 |
| Quadro elettrico                                      |            | REV       |                  |
| cod.                                                  | 2E00949    | 1         |                  |
| cod.                                                  | 2E00949A   | 1         | A                |
| cod.                                                  | 2E00949M   | 1         | M                |
| cod.                                                  | 2E00949E   | 1         | E                |
|                                                       |            |           |                  |
| rif.                                                  | 2E00789A_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 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 |

|                        |                     |                      |           |
|------------------------|---------------------|----------------------|-----------|
| WRL                    |                     |                      |           |
| Costruttore            | Manufacturer        | NORMA CEI EN 60335-1 |           |
| COD. ARTICOLO          | Article Code        | 2E009490_01 03/03/11 |           |
| ALIMENTAZIONE          | Power supply        | 3/N/PE - 50 Hz 400V  |           |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 Hz 50 |
| POMPA DI CALORE WRL140 | Heat Pump WRL140    | A Max                | 32,1      |
| POMPA DI CALORE WRL160 | Heat Pump WRL160    | A Max                | 34,7      |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x        |
| NOTE: NR. LOTTO=       | Notes               | XXXX                 |           |

|                        |                     |                      |           |
|------------------------|---------------------|----------------------|-----------|
| WRL                    |                     |                      |           |
| Constructeur           | Maschinenhersteller | NORMA CEI EN 60335-1 |           |
| Code Article           | Artikelcode         | 2E009490_01 03/03/11 |           |
| Alimentation           | Stronversorgung     | 3/N/PE - 50 Hz 400V  |           |
| Tension Nominale       | Nennspannung        | V                    | 400 Hz 50 |
| Pompe a Chaleur WRL140 | Wärmepumpe WRL140   | A Max                | 32,1      |
| Pompe a Chaleur WRL160 | Wärmepumpe WRL160   | A Max                | 34,7      |
| Degrè de protection    | Schutzgrad          | IP                   | 2x        |
| Note                   | Anmerkungen:        | XXXX                 |           |

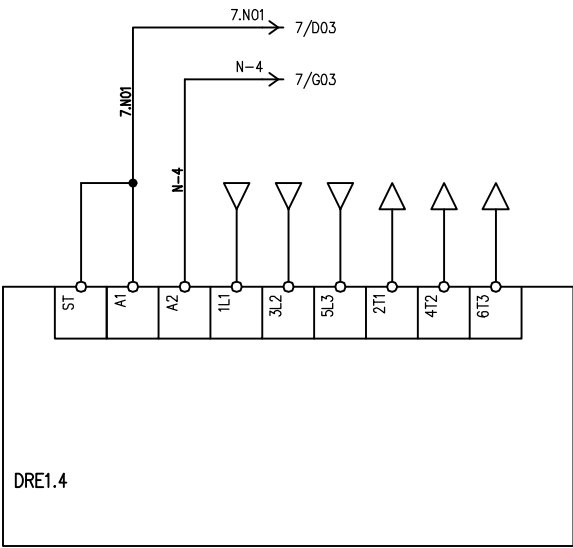
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|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| 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              |
|                                                                                                                                                      |                 | 10-423                       |                              |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                |
|                                                                                                                                                      |                 | 27/09/10                     |                              |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN      |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00949                      | 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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      |  |                      |  |                |  |                                   |  |                                 |  |                         |  |                    |  |                    |  |                               |  |                |  |  |  |
|   | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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    | DEUTSCH         |    | ITALIANO                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ENGLISH                                                                                                             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                                                                                                                                                                                                                                                              | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    | DEUTSCH                   |    |                              |  |                      |  |                |  |                                   |  |                                 |  |                         |  |                    |  |                    |  |                               |  |                |  |  |  |
| 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>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 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>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 |    |                           |    |                              |  |                      |  |                |  |                                   |  |                                 |  |                         |  |                    |  |                    |  |                               |  |                |  |  |  |
| 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. 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. 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. 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. 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 |                 |    | MPDII-B<br>MPDIU-B<br>MPDI<br>MPDII                                                                                                                                                    | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pump standard<br>Pump Erhöhten Volumenstrom<br>Inverter pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                           |    |                              |  |                      |  |                |  |                                   |  |                                 |  |                         |  |                    |  |                    |  |                               |  |                |  |  |  |
| C |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| D |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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|   | WRL                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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    | QUADRO<br>BOARD |    | QUADRO EL. POMPA TRIFASE WRL - 2E00949()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00949()                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TABLEAU<br>SCHALTFAEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00949()<br>WÄRMEPUMPE SCHALTFAEL 3-PHASEN WRL - 2E00949()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    | FOGLIO<br>PAGE            |    | 2                            |  | PAGE<br>SEITE        |  |                |  |                                   |  |                                 |  |                         |  |                    |  |                    |  |                               |  |                |  |  |  |
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    | DATA<br>DATE    |    | DATE<br>DATUM                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AGGIORNATO<br>UPDATING                                                                                              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                                                                                                                                                                                                                                                              | CHANGE<br>FORTSCHREIBEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    | PROGETTISTA<br>TECHNICIAN |    | MAQUETTISTE<br>DER ENTWERFER |  | NR. DIS.<br>DRAW NR. |  | PROJECT<br>BLD |  | DICHIAZIONE N°<br>DECLARATION NR. |  | DÉCLARATION<br>DER ANSAGEZETTEL |  | COMMESSA<br>PROJECT NR. |  | TRAVAIL<br>PROJECT |  | SEQUE<br>NEXT PAGE |  | 4                             |  | SUITE<br>MEIER |  |  |  |
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      |  |                      |  | 10-423         |  |                                   |  | XXXX                            |  |                         |  | 1100               |  |                    |  | TOTAL PAGES<br>BLÄTTER GESAMT |  | 32             |  |  |  |



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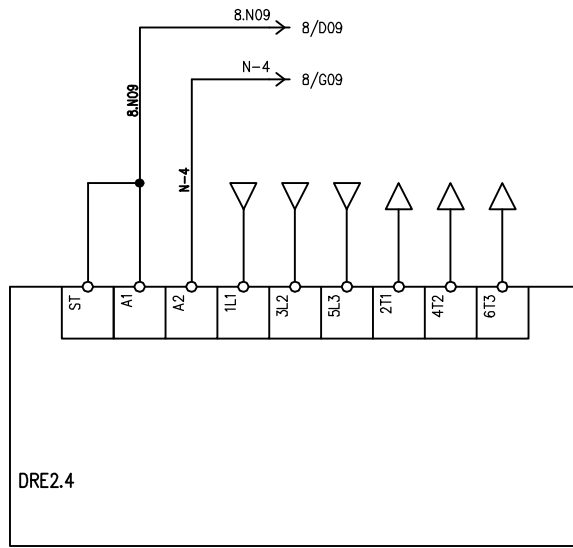


DRE1.4

1 RAMP time START : 1sec  
2 RAMP time STOP : 0,5sec  
3 initial voltage : 40%

AVVIATORE  
softstart  
démarrreur  
anlasser

|            |              |
|------------|--------------|
| WRL100     | PSR12-600-70 |
| WRL140/160 | PSR16-600-70 |



DRE2.4

1 RAMP time START : 1sec  
2 RAMP time STOP : 0,5sec  
3 initial voltage : 40%

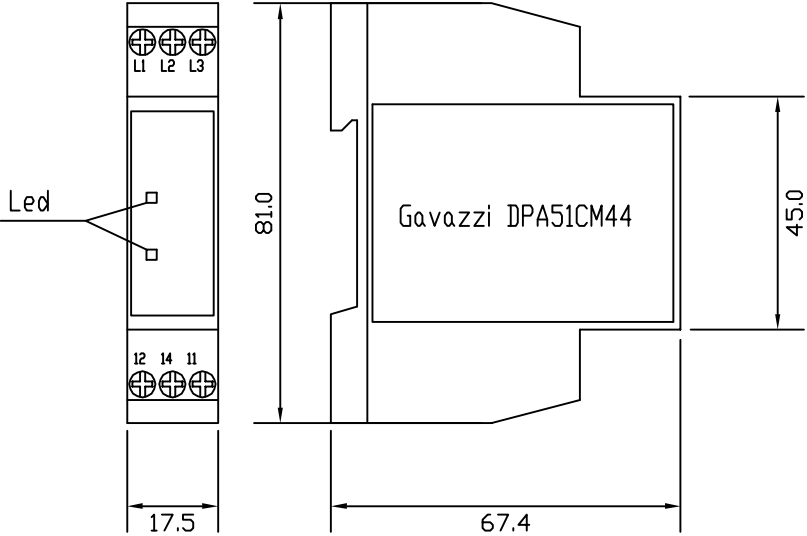
AVVIATORE  
softstart  
démarrreur  
anlasser

|            |              |
|------------|--------------|
| WRL100     | PSR12-600-70 |
| WRL140/160 | PSR16-600-70 |

WRL

IN ALTERNATIVA  
alternative  
alternative  
alternative

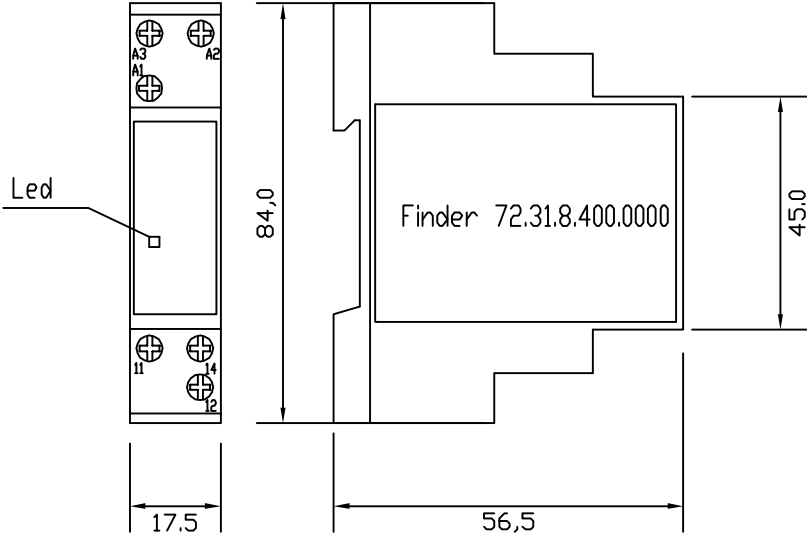
Gavazzi DPA51CM44  
L1 = L1  
L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C:



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 - 2E00949()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00949()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00949()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00949()

FOLIO  
PAGE

4B

PAGE  
SEITE

DATA  
DATE  
27/09/10

AGGIORNATO  
DATE  
DATE  
27/09/10

PROGETTISTA  
TECHNICIAN  
P.E.

MAQUETTISTE  
DER ENTWERFER  
P.E.

NR. DIS.  
PROJECT  
DRAW NR.  
10-423

DICHIARAZIONE N°  
DECLARATION  
DECLARATION NR.  
XXXX

COMMESSA  
PROJECT NR.  
1100

TRAVAIL  
PROJECT  
PROJECT

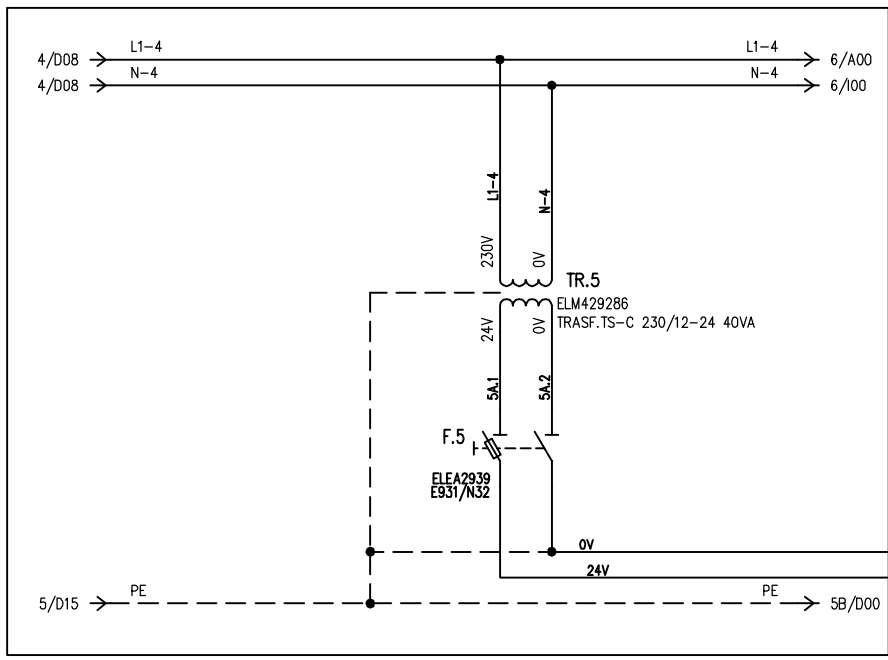
SEQU  
NEXT PAGE  
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SUITE  
METRES  
32

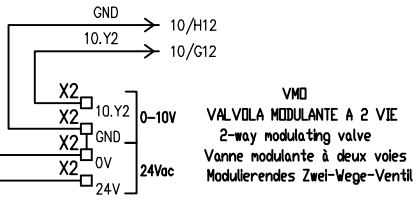
TOTAL FEUILLES  
BLÄTTER GESAMT



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><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                                 | kA                                             | phase/phase/terre                | Ik1                                           | Ik1                      |
|                                                                            | Ik3                                    | Ik3                       | Ik3                     | Ik3                                                                                     | Ik3        | Ik3                                                                                | Ik3 | Ik3 | Ik3 | Ik3 | Ik3 | Ik3 | Ik3 | Ik3                                 | kA                                             | 3-phase/3-phase/mono-phase       | Ik3                                           | Ik3                      |
|                                                                            |                                        |                           |                         |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     |                                     |                                                |                                  | ligne<br>électrique<br><br>linie der<br>macht |                          |
|                                                                            |                                        |                           |                         |                                                                                         |            |                                                                                    |     |     |     |     |     |     |     |                                     |                                                |                                  |                                               |                          |
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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00949()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00949()

TAFEL  
SCHALT

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00949()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00949()

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AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

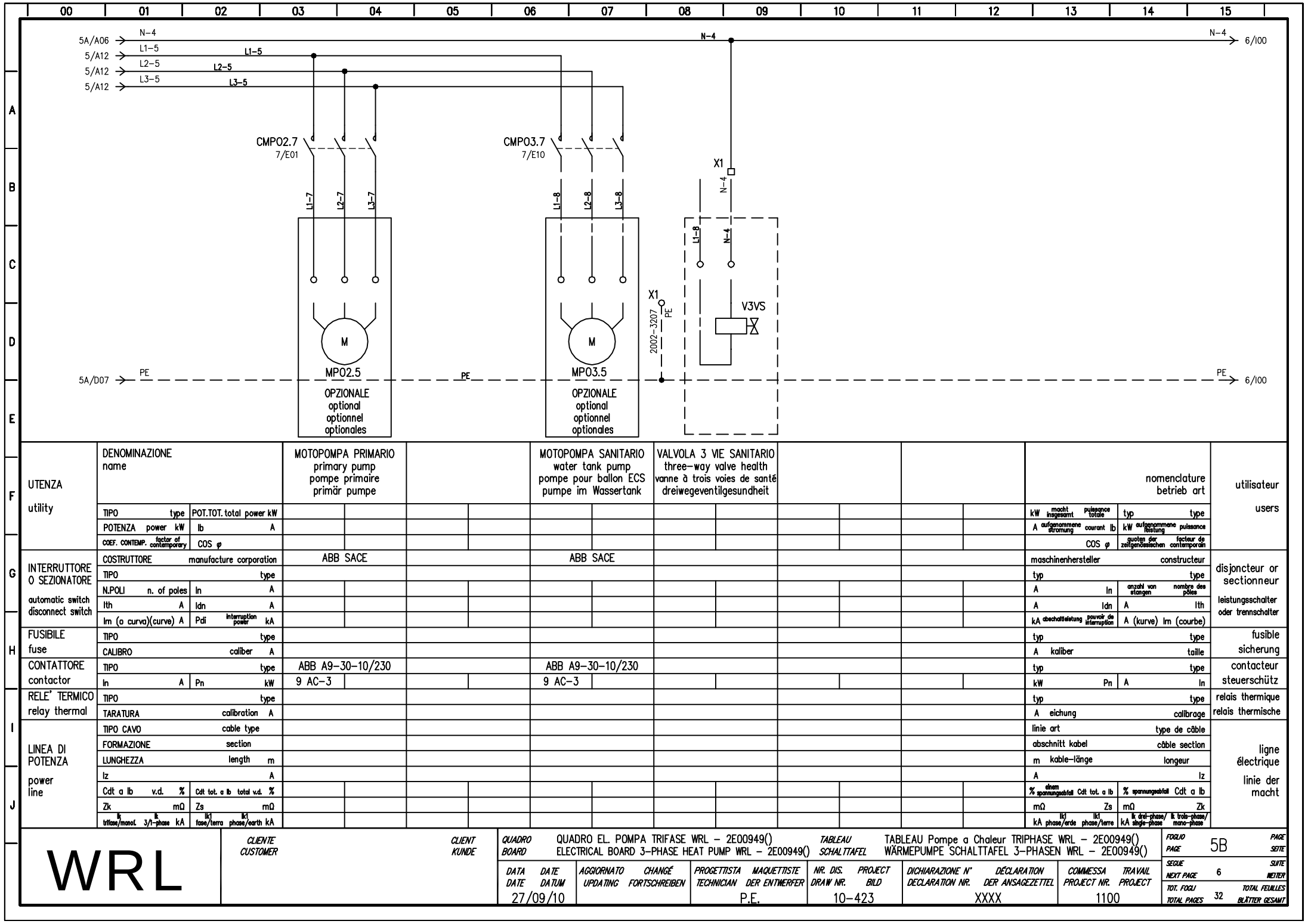
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DRAW NR. BILD  
10-423

DICHIARAZIONE N°  
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XXXX

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PROJECT PROJECT  
1100

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SUITE  
FEUILLES  
BLATTIER GESAMT



|                                                                        |                       |                           |                                                                     |                       |                    |            |                                                                                        |  |                                                                                                                |  |  |  |  |  |                             |                          |                                 |                                                                          |                                           |       |           |
|------------------------------------------------------------------------|-----------------------|---------------------------|---------------------------------------------------------------------|-----------------------|--------------------|------------|----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-----------------------------|--------------------------|---------------------------------|--------------------------------------------------------------------------|-------------------------------------------|-------|-----------|
| 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                     |                                                                          |                                           |       |           |
|                                                                        | TIPO                  | type                      | POT.TOT. total power kW                                             |                       |                    |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | kW                          | macht<br>insgesamt       | puissance<br>totale             | typ                                                                      | type                                      | users |           |
|                                                                        | 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                    | cos φ der<br>zeitgleichzeitigen |                                                                          | facteur de<br>contemporanéité             |       |           |
| 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               | ln                                                                  | A                     |                    |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           | ln                       | 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>fuse                                                       | TIPO                  |                           | type                                                                |                       |                    |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | typ                         |                          | type                            | fusible<br>sicherung                                                     |                                           |       |           |
|                                                                        | CALIBRO               |                           | caliber                                                             |                       | A                  |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           |                          | kaliber                         |                                                                          | taille                                    |       |           |
| CONTATTORE<br>contactor                                                | TIPO                  |                           | type                                                                |                       | ABB A9-30-10/230   |            | ABB A9-30-10/230                                                                       |  |                                                                                                                |  |  |  |  |  | typ                         |                          | type                            | contacteur<br>steuerschütz                                               |                                           |       |           |
|                                                                        | ln                    | A                         | Pn                                                                  | kW                    | 9 AC-3             |            | 9 AC-3                                                                                 |  |                                                                                                                |  |  |  |  |  | kW                          | Pn                       | A                               |                                                                          | ln                                        |       |           |
| RELE' TERMICO<br>relay thermal                                         | TIPO                  |                           | type                                                                |                       |                    |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | typ                         |                          | type                            | relais thermique<br>relais thermische                                    |                                           |       |           |
|                                                                        | TARATURA              |                           | calibration                                                         |                       | A                  |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | A                           |                          | eichung                         |                                                                          | calibrage                                 |       |           |
| LINEA DI<br>POTENZA<br>power<br>line                                   | TIPO CAVO             |                           | cable type                                                          |                       |                    |            |                                                                                        |  |                                                                                                                |  |  |  |  |  | linie art                   |                          | type de câble                   |                                                                          | ligne<br>électrique<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. | %                                                                                      |  |                                                                                                                |  |  |  |  |  | %                           | spannungsfaktor          | Cdt a lb                        | %                                                                        |                                           |       |           |
|                                                                        | Zk                    |                           | mΩ                                                                  | Zs                    | mΩ                 |            |                                                                                        |  |                                                                                                                |  |  |  |  |  |                             | mΩ                       | Zs                              | mΩ                                                                       |                                           | Zk    |           |
|                                                                        | trifase/monof.        | 3/1-phase                 | kA                                                                  | IK1<br>fase/terro     | IK1<br>phase/earth | kA         |                                                                                        |  |                                                                                                                |  |  |  |  |  | kA                          | IK1<br>phase/erde        | IK1<br>phase/terre              | IK1<br>dräi-phase/<br>mono-phase                                         | IK1<br>trio-phase/<br>mono-phase          |       |           |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00949()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00949()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00949()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00949()

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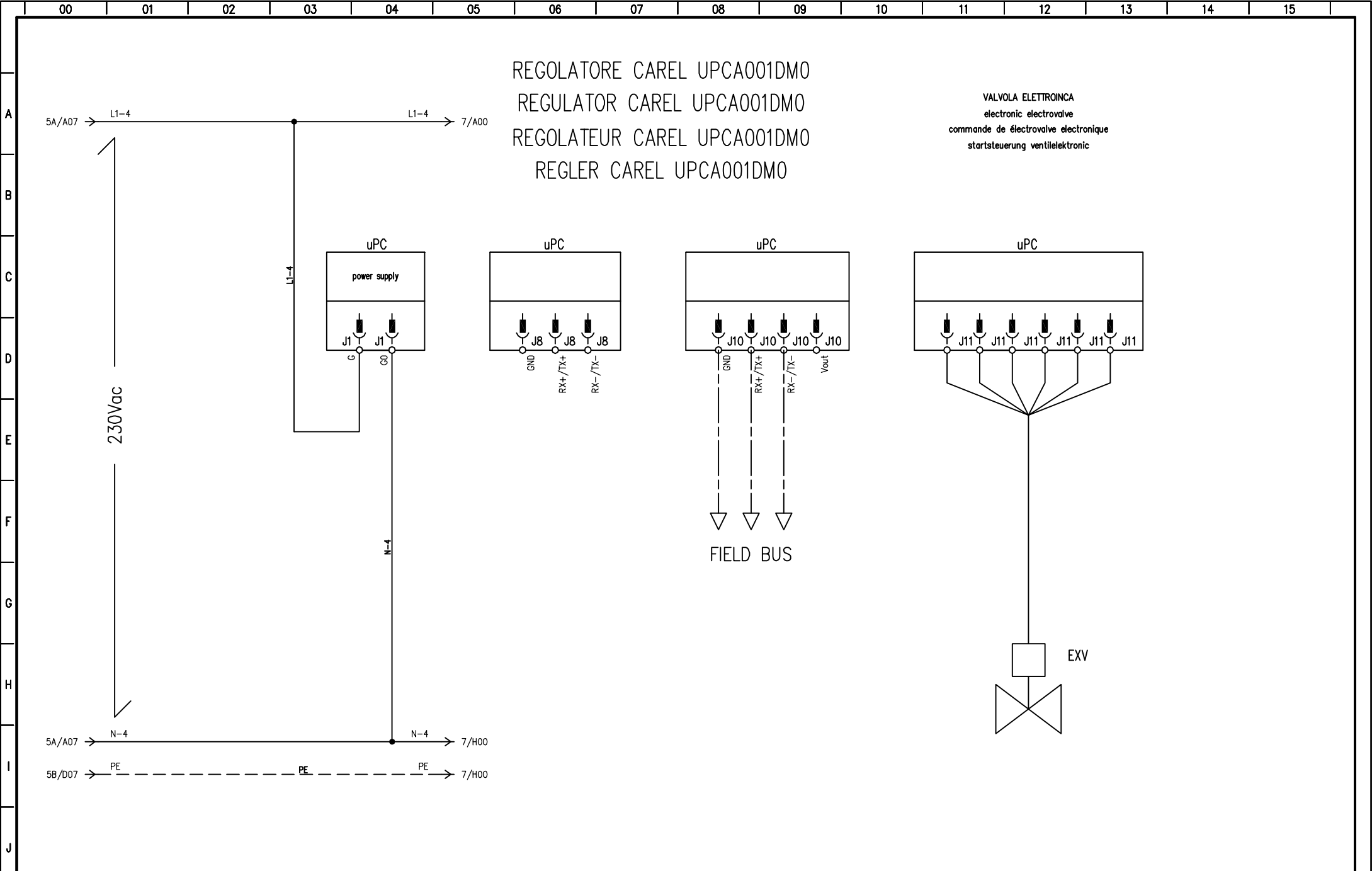
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TECHNICIAN DER ENTWERFER  
P.E.

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DRAW NR. BILD  
10-423

DICHIARAZIONE N°  
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XXXX

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PROJECT NR. PROJECT  
1100

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BLATTIER GESAMT

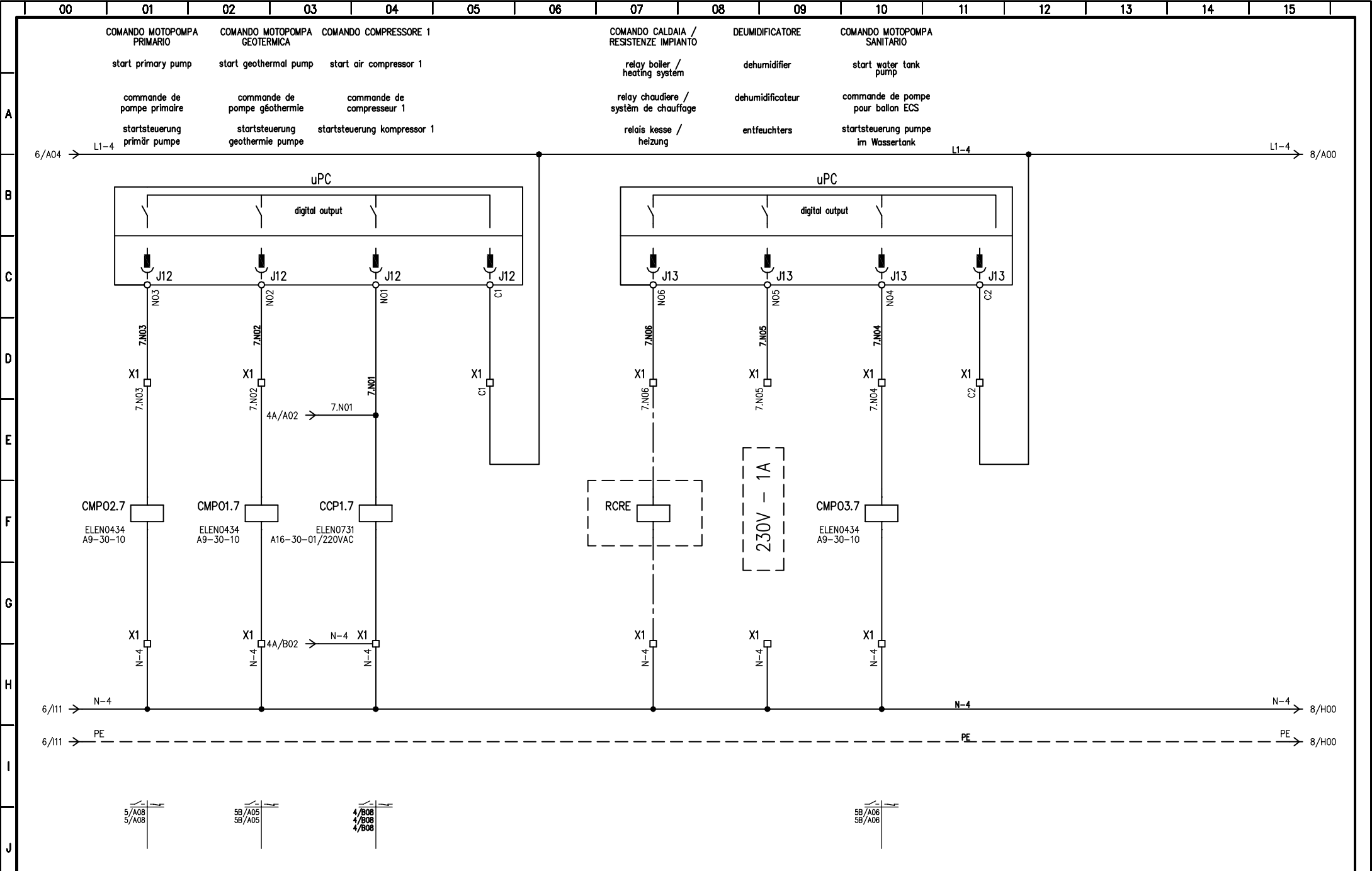


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                           |               |                        |                         |                                  |                              |                      |                                                                                                    |                                     |                                 |                         |                    |
|---------------------------|---------------|------------------------|-------------------------|----------------------------------|------------------------------|----------------------|----------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------|-------------------------|--------------------|
| CLIENTE<br>CUSTOMER       |               | CLIENT<br>KUNDE        | QUADRO<br>BOARD         |                                  | TABLEAU<br>SCHALTAFEL        |                      | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00949()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00949() |                                     | 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 |
| 27/09/10                  |               |                        |                         | P.E.                             |                              | 10-423               |                                                                                                    | XXXX                                |                                 | 1100                    |                    |
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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00949()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00949()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00949()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00949()

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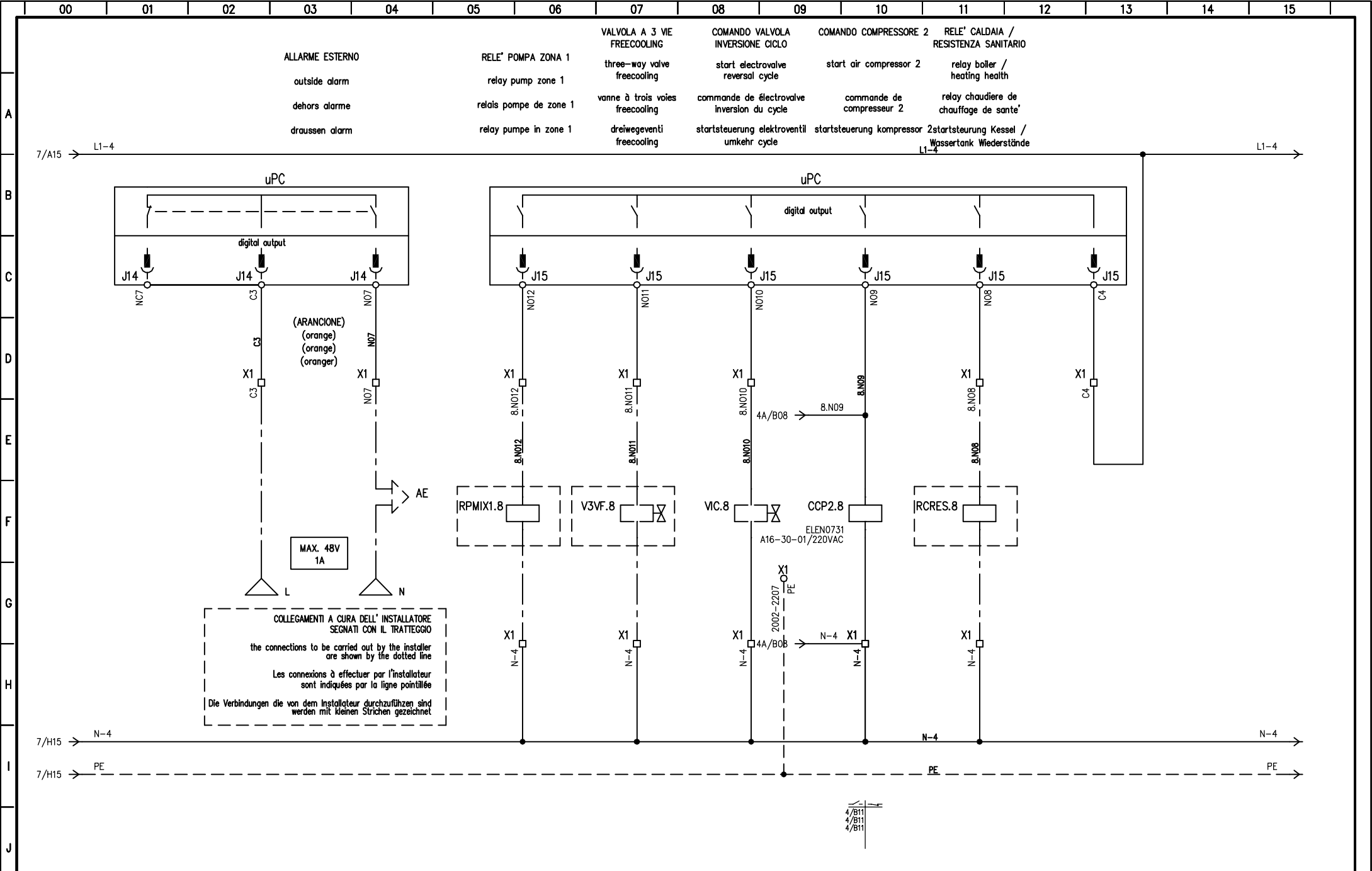
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PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
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DICHIARAZIONE N°  
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XXXX

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1100

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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00949()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00949()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00949()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00949()

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AGGIORNATO  
DATE  
CHANGÉ  
DATUM  
Fortschreiben

PROGETTISTA  
TECHNICIAN  
MAQUETTISTE  
DER ENTWERFER  
P.E.

NR. DIS.  
DRAW NR.  
PROJECT  
BILD  
10-423

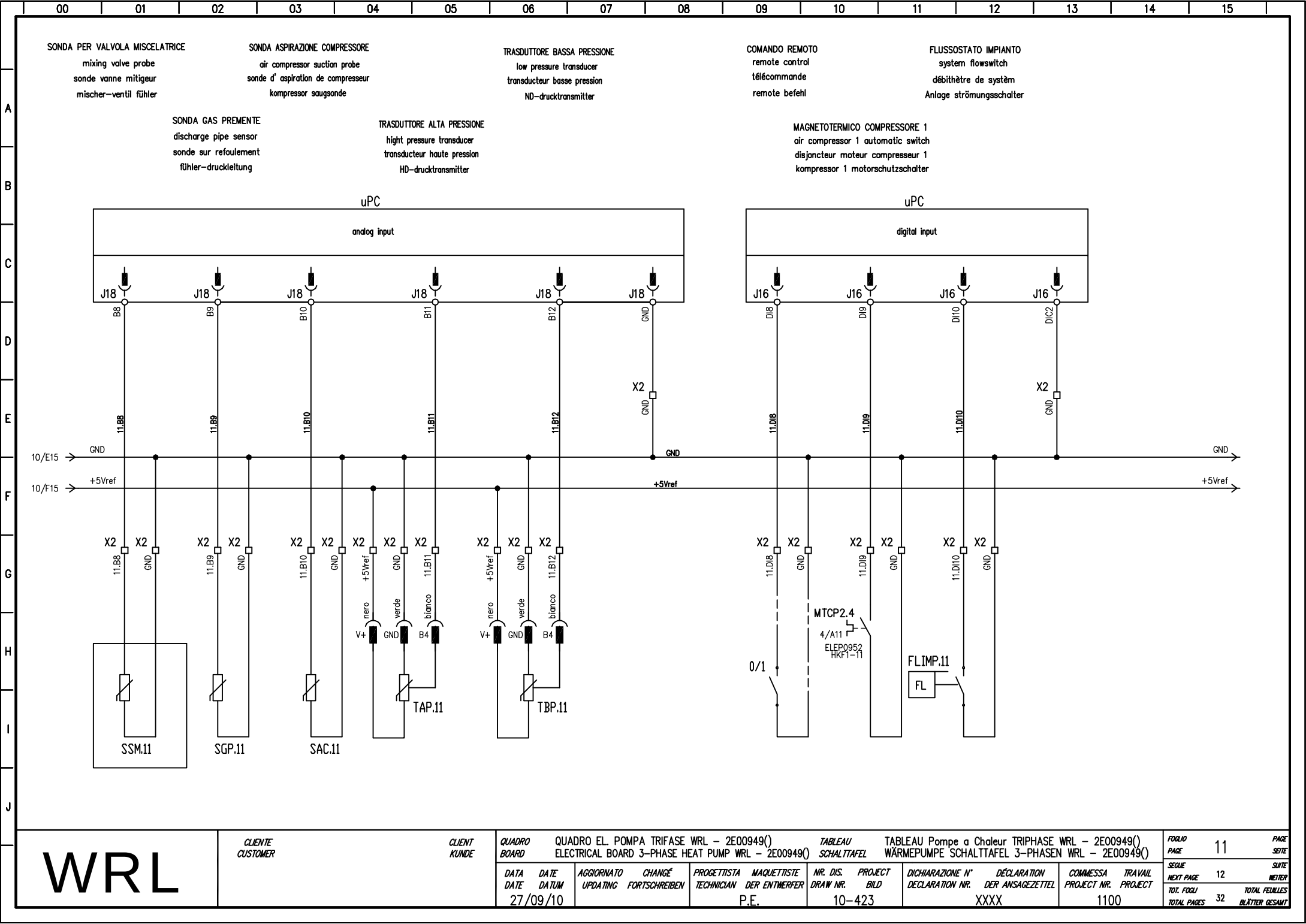
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DECLARATION NR.  
DÉCLARATION  
DER ANSAGEZETTEL  
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COMMESSA  
PROJECT NR.  
TRAVAIL  
PROJECT  
1100

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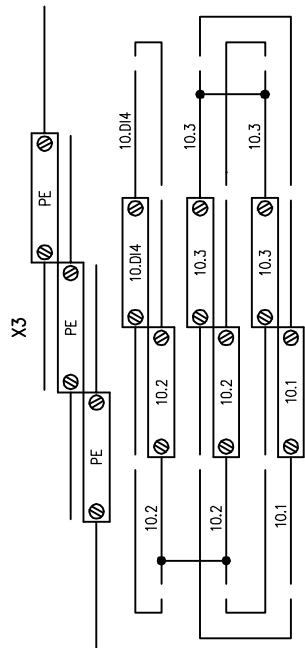
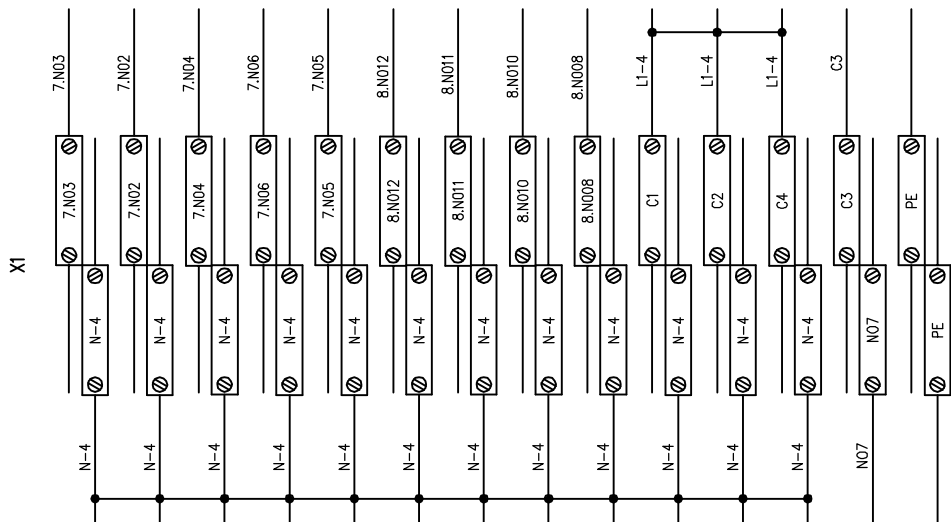






MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

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 - 2E00949()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00949()

TABE  
SCHALT

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UPDATING

CHANGE  
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PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
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BILD

DICHIARAZIONE N°  
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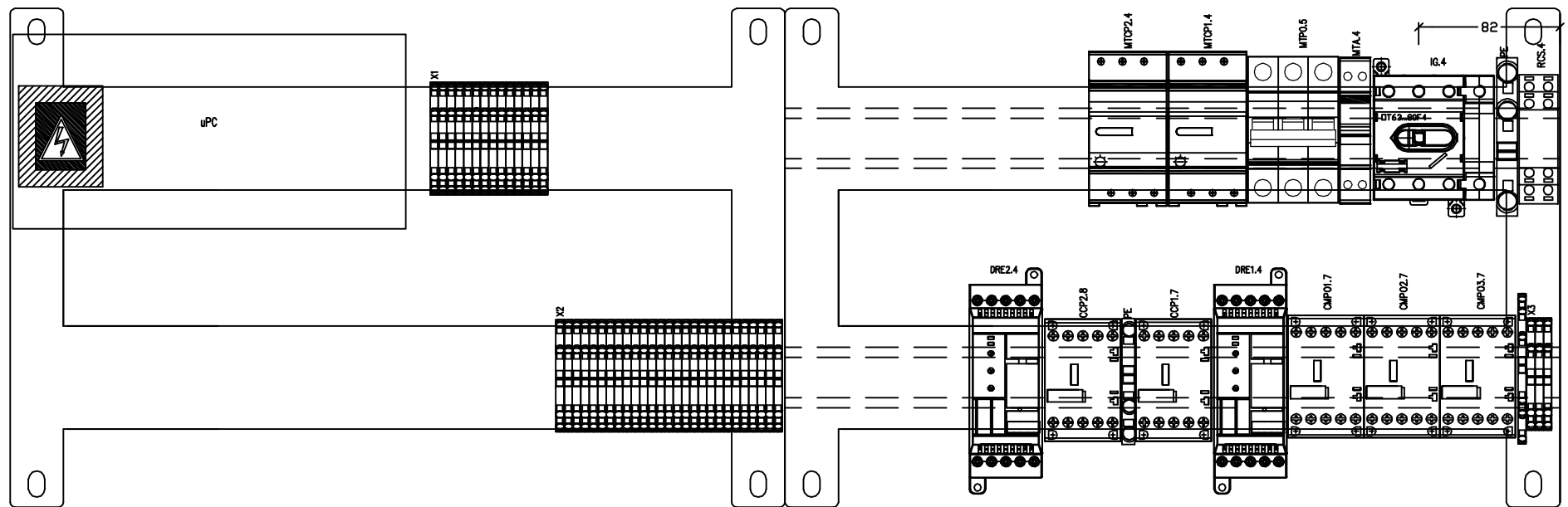
TOTAL FEUILLES  
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| DATI TECNICI CARPENTERIA                                                                          | TECHNICAL DATA BOX                                                                             | DONNÉES TECHNIQUES<br>TABLEAU                                                                      | 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



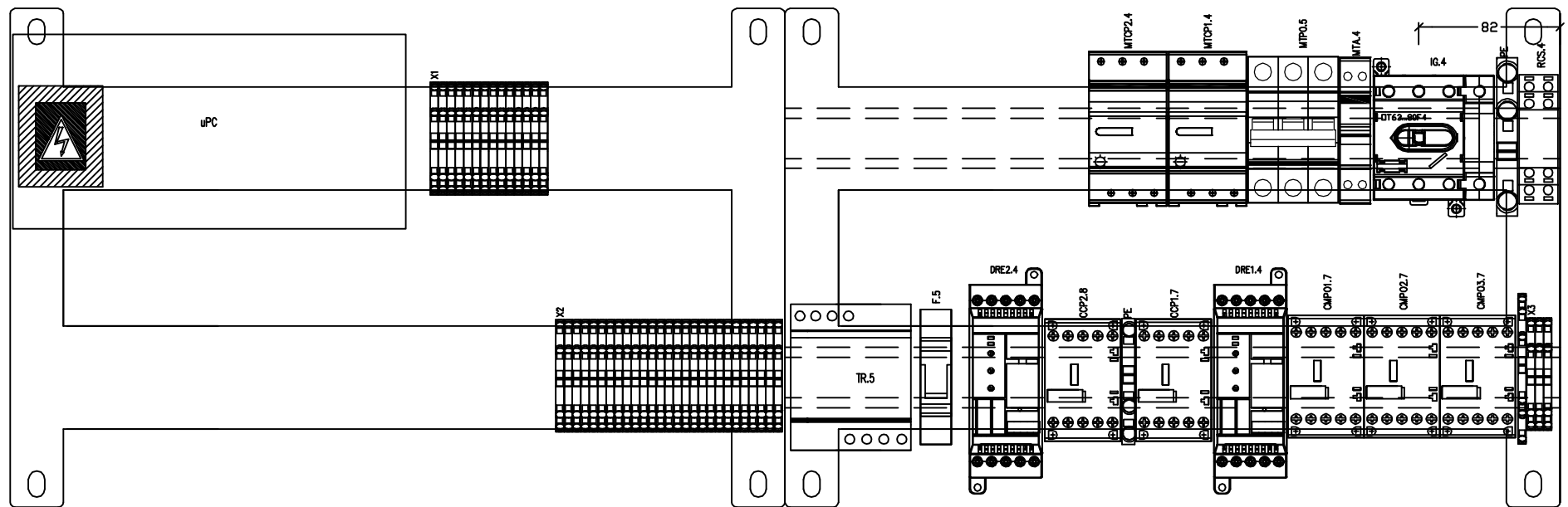
- ☐ QUADRO DI SERIE
- ☐ Standard Board
- ☐ Tableau standard
- ☐ serienmäßig schalttafel

WRL

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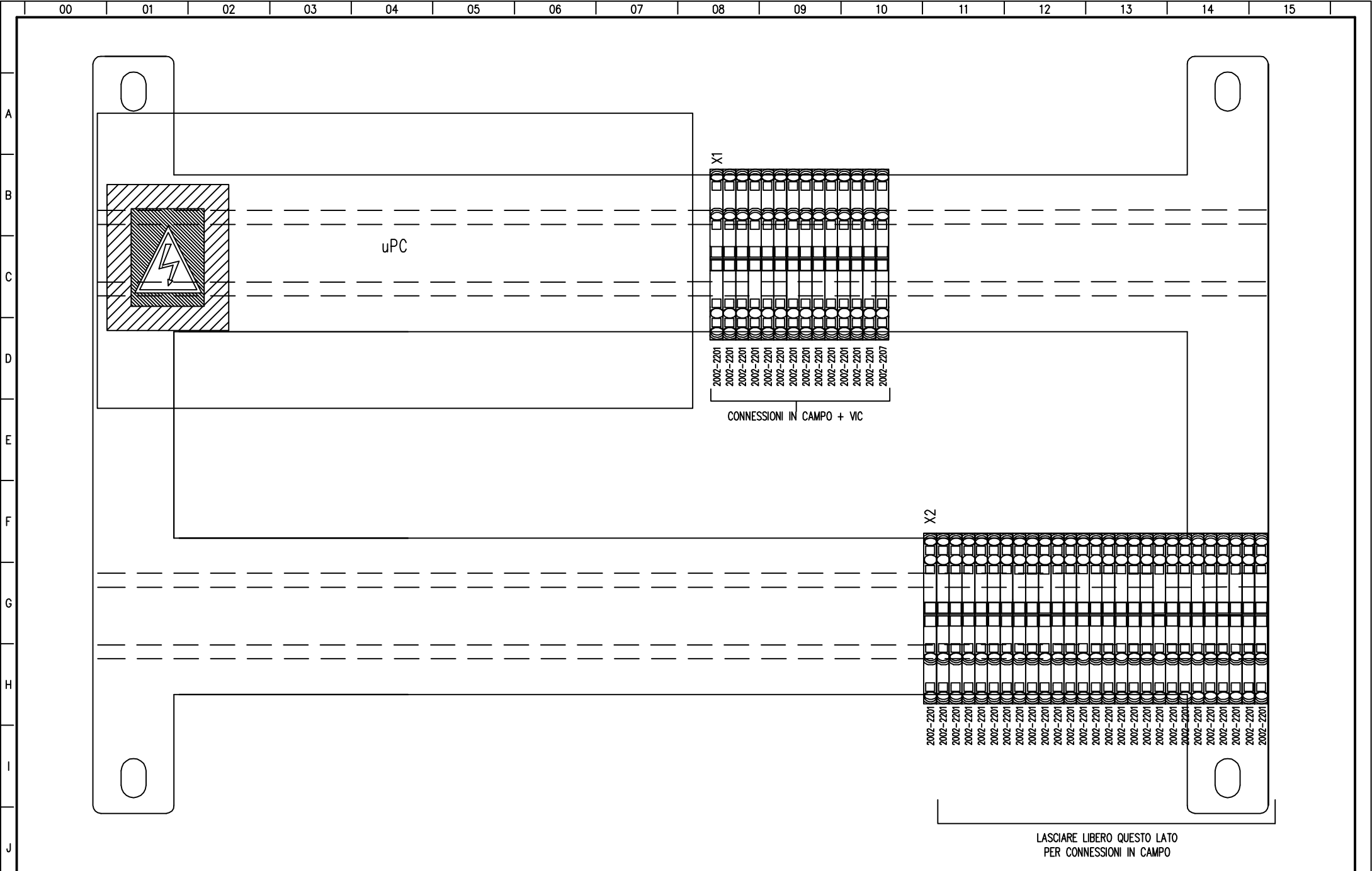
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| DATI TECNICI CARPENTERIA                                                                          | TECHNICAL DATA BOX                                                                             | DONNÉES TECHNIQUES<br>TABLEAU                                                                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                         |
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| 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



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

WRL



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00949()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00949()

TABE  
SCHALT

TABE  
WÄRMEPUMPE SCHALT

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AGGIORNATO CHANGE  
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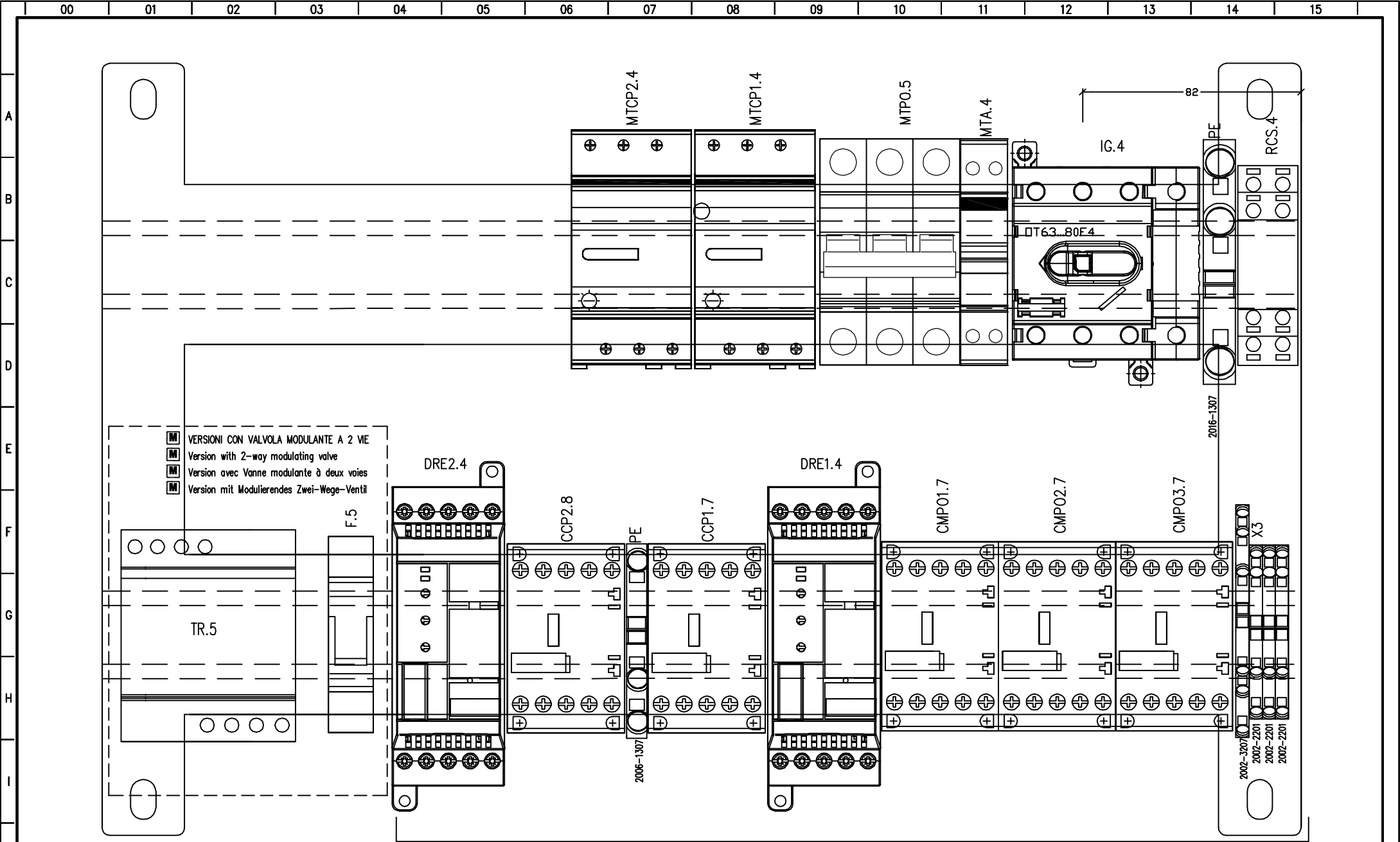
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TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-423

DICHIARAZIONE N°  
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XXXX

COMMESSA TRAVAIL  
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1100

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LASCIARE LIBERO QUESTO LATO  
PER CONNESSIONI IN CAMPO

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00949()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00949()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00949()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00949()

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TECHNICIAN DER ENTWERFER  
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|                                                       |            |           |                  |
|-------------------------------------------------------|------------|-----------|------------------|
| POMPA TRIFASE                                         |            |           | WRL140<br>WRL160 |
| Quadro elettrico                                      |            | REV       |                  |
| cod.                                                  | 2E00950    | 1         |                  |
| cod.                                                  | 2E00950A   | 1         | A                |
| cod.                                                  | 2E00950M   | 1         | M                |
| cod.                                                  | 2E00950E   | 1         | E                |
|                                                       |            |           |                  |
| rif.                                                  | 2E00789A_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"/> 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 |

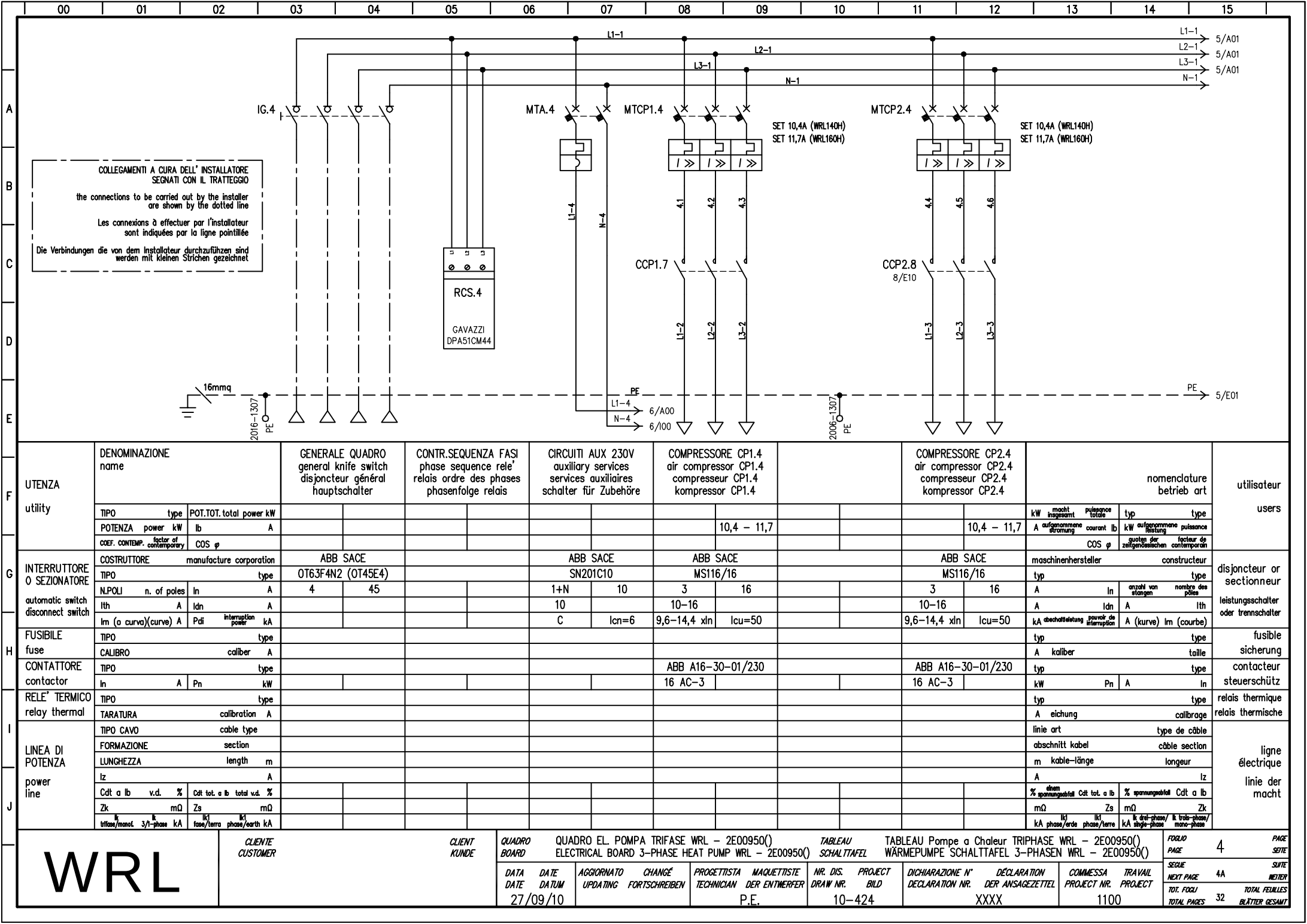
|                        |                     |                      |                   |
|------------------------|---------------------|----------------------|-------------------|
| WRL                    |                     |                      |                   |
| COSTRUTTORE            | Manufacturer        | NORMA CEI EN 60335-1 |                   |
| COD. ARTICOLO          | Article Code        | 2E009500_01 03/03/11 |                   |
| ALIMENTAZIONE          | Power supply        | 3/N/PE – 50 Hz 400V  |                   |
| TENSIONE NOMINALE      | Nominal Voltage     | V                    | 400 Hz 50         |
| POMPA DI CALORE WRL140 | Heat Pump WRL140    | A Max                | 32,1              |
| POMPA DI CALORE WRL160 | Heat Pump WRL160    | A Max                | 34,7              |
| GRADO DI PROTEZIONE    | Level of protection | IP                   | 2x                |
| NOTE: NR. LOTTO=       | Notes               | XXXX                 | VER. 001.000000.1 |

|                        |                     |                      |                   |
|------------------------|---------------------|----------------------|-------------------|
| WRL                    |                     |                      |                   |
| Constructeur           | Maschinenhersteller | NORMA CEI EN 60335-1 |                   |
| Code Article           | Artikelcode         | 2E009500_01 03/03/11 |                   |
| Alimentation           | Stromversorgung     | 3/N/PE – 50 Hz 400V  |                   |
| Tension Nominale       | Nennspannung        | V                    | 400 Hz 50         |
| Pompe a Chaleur WRL140 | Wärmepumpe WRL140   | A Max                | 32,1              |
| Pompe a Chaleur WRL160 | Wärmepumpe WRL160   | A Max                | 34,7              |
| Degré de protection    | Schutzgrad          | IP                   | 2x                |
| Note                   | Anmerkungen         | XXXX                 | VER. 001.000000.1 |

|        |          |                                         |            |             |               |
|--------|----------|-----------------------------------------|------------|-------------|---------------|
| 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  | CONTROLÉE     |
| REV.   | DATUM    | DAS ARGUMENT                            | DESIGNED   | ANGENOMMENE | KONTROLLIERTE |

|                                                                                                                                                      |                 |                              |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|------------------------------|
| WRL                                                                                                                                                  |                 | NR. DIS.<br>DRAW NR.         | PROJECT<br>BILD              |
|                                                                                                                                                      |                 | 10-424                       |                              |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                |
|                                                                                                                                                      |                 | 27/09/10                     |                              |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN      |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00950                      | 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                         |                              |

[illegible]



|                                                                        |                                             |                         |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  |                             |                                      |                                                                          |
|------------------------------------------------------------------------|---------------------------------------------|-------------------------|---------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|-----------------------------|--------------------------------------|--------------------------------------------------------------------------|
| UTENZA<br>utility                                                      | DENOMINAZIONE<br>name                       |                         | GENERALE QUADRO<br>general knife switch<br>disjoncteur général<br>hauptschalter |               | CONTR.SEQUENZA FASI<br>phase sequence relé<br>relais ordre des phases<br>phasenfolge relais |    | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |  | COMPRESSORE CP1.4<br>air compressor CP1.4<br>compresseur CP1.4<br>kompressor CP1.4 |  | COMPRESSORE CP2.4<br>air compressor CP2.4<br>compresseur CP2.4<br>kompressor CP2.4 |  | nomenclature<br>betrieb art |                                      | utilisateur<br>users                                                     |
|                                                                        | TIPO<br>type                                | POT.TOT. total power kW |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | kW<br>machte insgesamt      | puissance totale<br>type             |                                                                          |
|                                                                        | POTENZA<br>power kW                         | lb                      | A                                                                               |               |                                                                                             |    |                                                                                          |  | 10,4 - 11,7                                                                        |  |                                                                                    |  | A<br>aufgenommene stromung  | courent lb<br>aufgenommene puissance |                                                                          |
| INTERRUTTORE<br>O SEZIONATORE<br>automatic switch<br>disconnect switch | COEF. CONTEMP.<br>factor of contemporaneity | COS φ                   |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | COS φ                       | coefficient de simultanéité          | disjoncteur or<br>sectionneur<br>leistungsschalter<br>oder trennschalter |
|                                                                        | COEF. CONTEMP.<br>factor of contemporaneity | COS φ                   |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | COS φ                       | coefficient de simultanéité          |                                                                          |
|                                                                        | COEF. CONTEMP.<br>factor of contemporaneity | COS φ                   |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | COS φ                       | coefficient de simultanéité          |                                                                          |
| FUSIBILE<br>fuse                                                       | TIPO<br>type                                |                         |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | typ                         | type                                 | fusible<br>sicherung                                                     |
|                                                                        | CALIBRO<br>caliber                          | A                       |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | A<br>kaliber                | taille                               |                                                                          |
|                                                                        | CALIBRO<br>caliber                          | A                       |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | A<br>kaliber                | taille                               |                                                                          |
| CONTATTORE<br>contactor                                                | TIPO<br>type                                |                         |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | typ                         | type                                 | contacteur<br>steuerschutz                                               |
|                                                                        | In                                          | A                       | Pn                                                                              | kW            |                                                                                             |    |                                                                                          |  | 16 AC-3                                                                            |  |                                                                                    |  | kW                          | Pn                                   | In                                                                       |
|                                                                        | In                                          | A                       | Pn                                                                              | kW            |                                                                                             |    |                                                                                          |  | 16 AC-3                                                                            |  |                                                                                    |  | kW                          | Pn                                   | In                                                                       |
| RELE' TERMICO<br>relay thermal                                         | TIPO<br>type                                |                         |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | typ                         | type                                 | relais thermique<br>relais thermische                                    |
|                                                                        | TARATURA<br>calibration                     | A                       |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | A<br>eichung                | calibrage                            |                                                                          |
|                                                                        | TARATURA<br>calibration                     | A                       |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | A<br>eichung                | calibrage                            |                                                                          |
| LINEA DI<br>POTENZA<br>power line                                      | TIPO CAVO<br>cable type                     |                         |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | linie art                   | type de câble                        | ligne<br>électrique<br>linie der<br>macht                                |
|                                                                        | FORMAZIONE<br>section                       |                         |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | abschnitt kabel             | câble section                        |                                                                          |
|                                                                        | LUNGHEZZA<br>length                         | m                       |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | m<br>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                                                     |
|                                                                        | Zk                                          | mΩ                      | Zs                                                                              | mΩ            | Zk                                                                                          | mΩ |                                                                                          |  |                                                                                    |  |                                                                                    |  | mΩ                          | Zs                                   | mΩ                                                                       |
|                                                                        | Iz                                          | A                       |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | Iz                          | A                                    |                                                                          |
|                                                                        | Iz                                          | A                       |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | Iz                          | A                                    |                                                                          |
|                                                                        | Iz                                          | A                       |                                                                                 |               |                                                                                             |    |                                                                                          |  |                                                                                    |  |                                                                                    |  | Iz                          | A                                    |                                                                          |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00950()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00950()

TABEUA  
SCHALTAFEL

TABEUA Pompe a Chaleur TRIPHASE WRL - 2E00950()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00950()

FOLIO  
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

SEQUE  
NEXT PAGE

4A

SUITE  
METERS

TOT. FOLII  
TOTAL PAGES

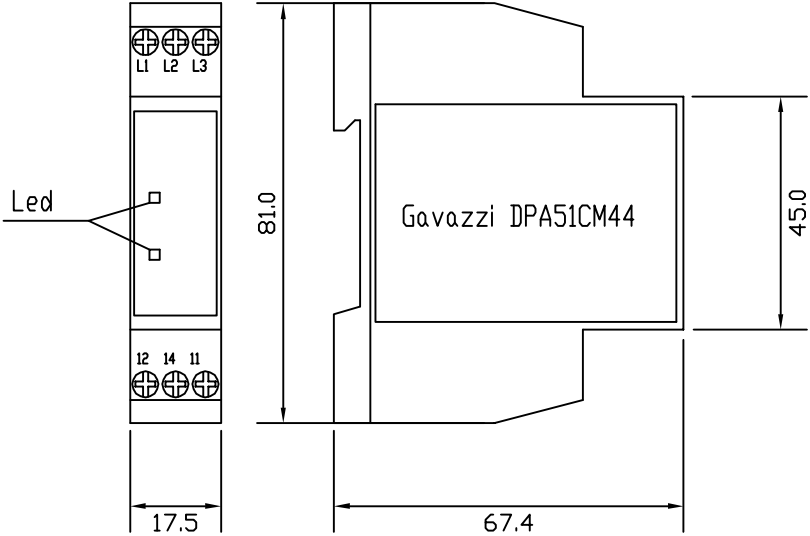
32

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 - 2E00950()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00950() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00950()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00950() |                                 |                         |                    | 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.                      |                              | 10-424               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 32 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |

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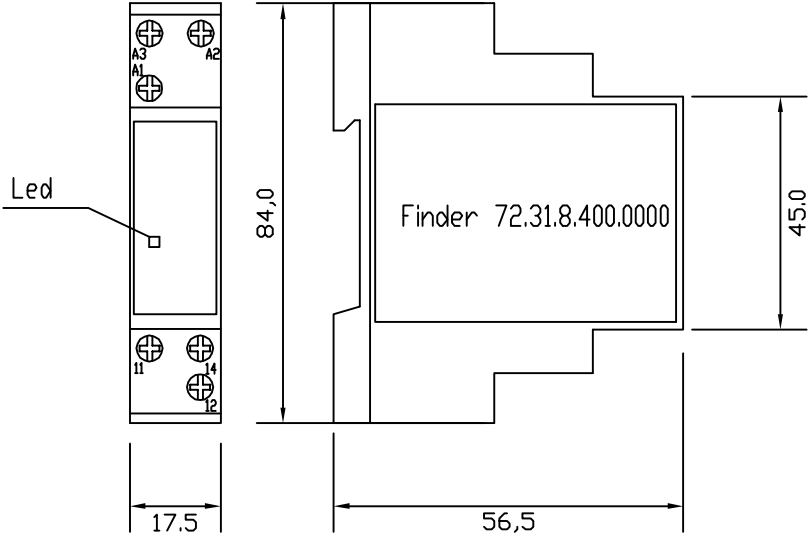
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L2 = L2  
L3 = L3  
rele'  
11 = com  
14 = N.Ø.  
12 = N.C.



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

IN ALTERNATIVA  
alternative  
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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 - 2E00950()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00950()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00950()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00950()

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  
10-424

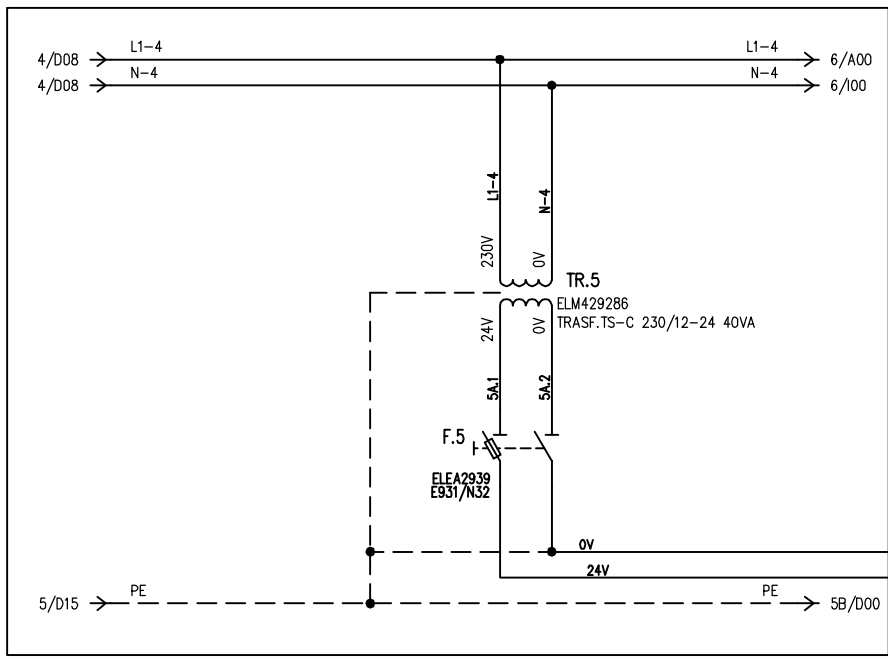
DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

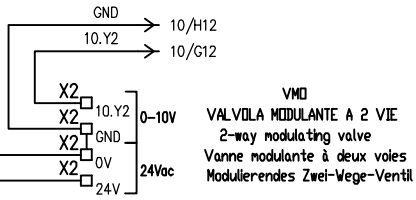
SEQU' SUITE  
NEXT PAGE 5  
TOT. FOLJ TOTAL FEUILLES  
TOTAL PAGES 32 BLÄTTER GESAMT



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                    | guten der<br>zeitgleichschen | facteur de<br>contemporain |                                                                              |     |                       |          |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE           |                           |                         | ABB SACE                                                                                |     |                                                                                    |            |       |     |     |     |     |     | maschinenhersteller         |                          | constructeur                 |                            | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |     |                       |          |
|                                                                            | TIPO                  |                           |                         | 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             |                            | pouvoir de<br>interruption                                                   |     | A (kurve) Im (courbe) |          |
|                                                                            | TIPO                  | type                      |                         | 10x38                                                                                   |     |                                                                                    |            |       |     |     |     |     |     | typ                         |                          | type                         |                            |                                                                              |     |                       |          |
| CONTATTORE<br>contactor                                                    | CALIBRO               |                           |                         | caliber                                                                                 |     | A                                                                                  |            | 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                                                                    |     |                       |          |
|                                                                            | 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                    |                           |                         | mΩ                                                                                      | Zs  | mΩ                                                                                 |            |       |     |     |     |     |     |                             |                          | mΩ                           | Zs                         | mΩ                                                                           | Zk  |                       |          |
| Ik1                                                                        |                       |                           | Ik1                     | Ik1                                                                                     | Ik1 | Ik1                                                                                | Ik1        | Ik1   | Ik1 | Ik1 | Ik1 | Ik1 | Ik1 | Ik1                         | Ik1                      | Ik1                          | Ik1                        | Ik1                                                                          | Ik1 | Ik1                   |          |
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QUADRO EL. POMPA TRIFASE WRL - 2E00950()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00950()

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WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00950()

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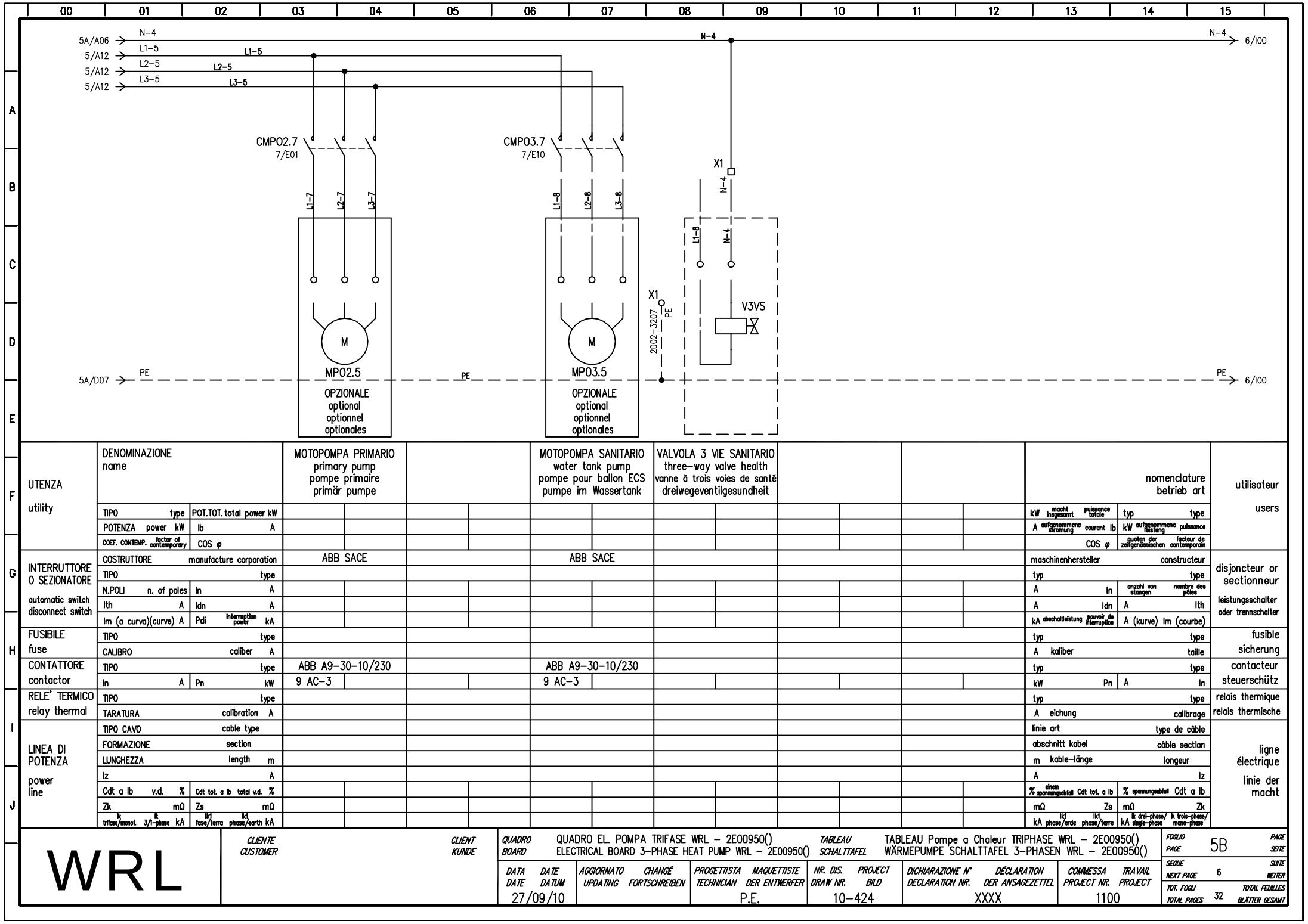
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|----------------------------------------------------------------------------|-----------------------|---------------------------|---------------------------------------------------------------------|-----------------------|------------------|------------|----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|--|--|--|---|-----------------------------|--------------------------|-----------------------------------|------------------------------------------------------------------------------|--------------------------|--------------------|-----------|
| 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                          | macht<br>insgesamt       | puissance<br>totale               | typ                                                                          | type                     | users              |           |
|                                                                            | 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                    | qualité des<br>zeitgleichzeitigen | facteur de<br>contemporanéité                                                |                          |                    |           |
| 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               | ln                                                                  | A                     |                  |            |                                                                                        |  |                                                                                                                |  |  |  |  |   | A                           | ln                       | 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                                                                |                       | ABB A9-30-10/230 |            | ABB A9-30-10/230                                                                       |  |                                                                                                                |  |  |  |  |   | typ                         |                          | type                              | contacteur<br><br>steuerschütz                                               |                          |                    |           |
| In                                                                         |                       | A                         | Pn                                                                  | kW                    | 9 AC-3           |            | 9 AC-3                                                                                 |  |                                                                                                                |  |  |  |  |   | 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. | %                                                                                      |  |                                                                                                                |  |  |  |  |   | %                           | spannungsfaktor          | Cdt a lb                          |                                                                              | % spannungsfaktor        | Cdt a lb           |           |
|                                                                            | Zk                    |                           | mΩ                                                                  | Zs                    | mΩ               |            |                                                                                        |  |                                                                                                                |  |  |  |  |   |                             | mΩ                       | Zs                                |                                                                              | mΩ                       | Zk                 |           |
|                                                                            | trifase/monof.        | 3/1-phase                 | kA                                                                  | fase/terro            | phase/earth      | kA         |                                                                                        |  |                                                                                                                |  |  |  |  |   | kA                          | phase/erde               | phase/terre                       | kA                                                                           | drifase/mono-phase       | trifase/mono-phase |           |

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ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00950()

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TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00950()  
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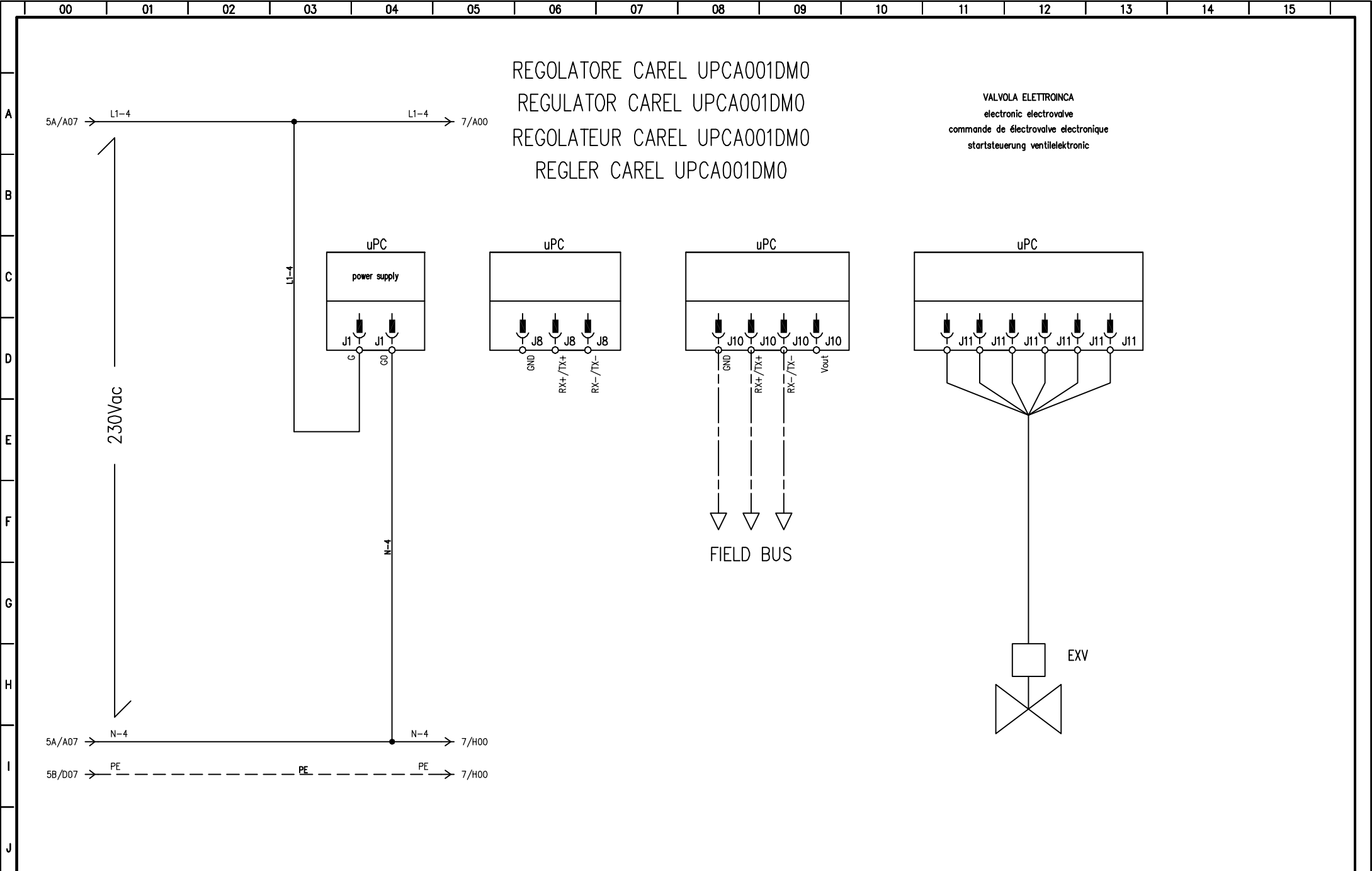
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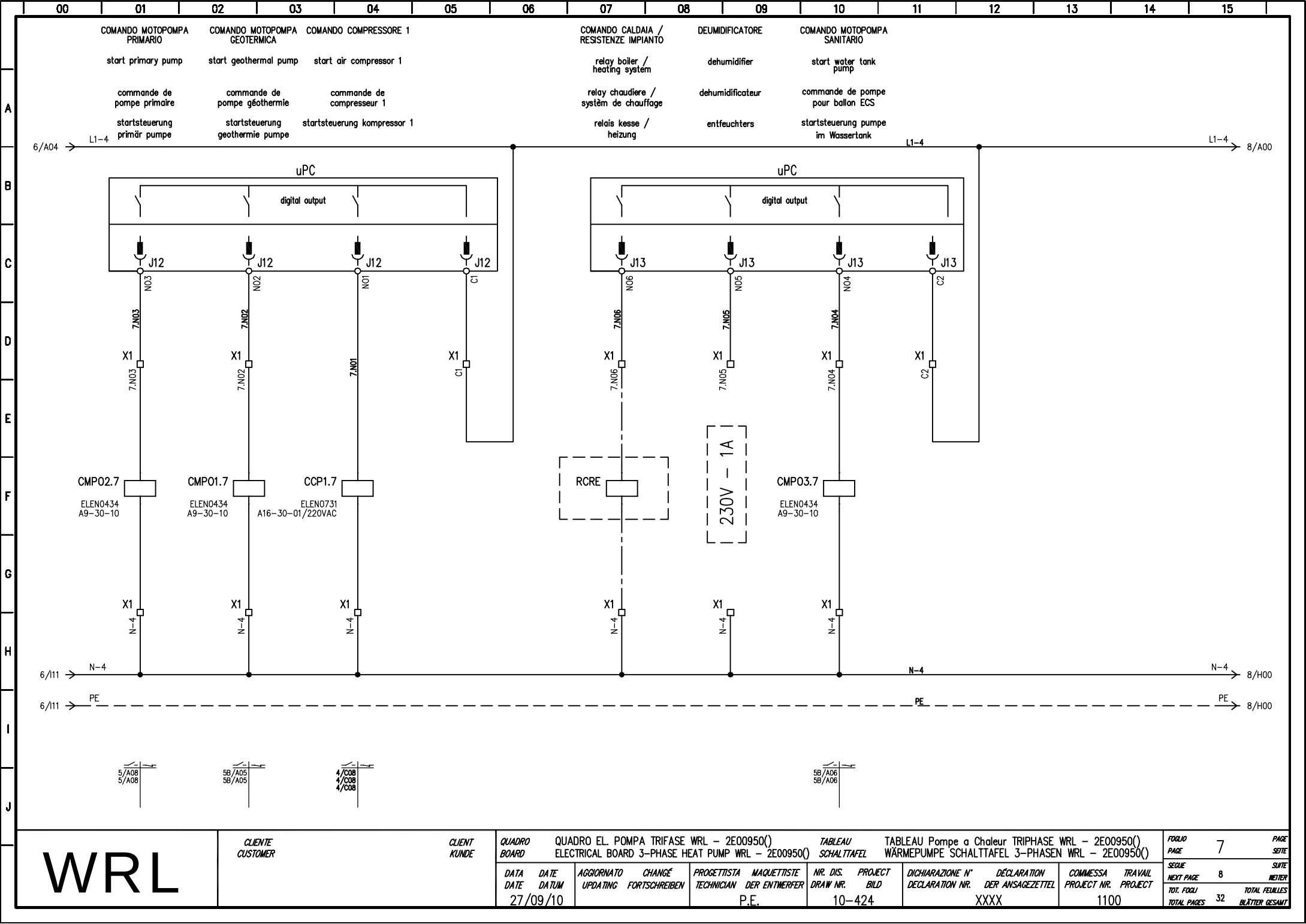


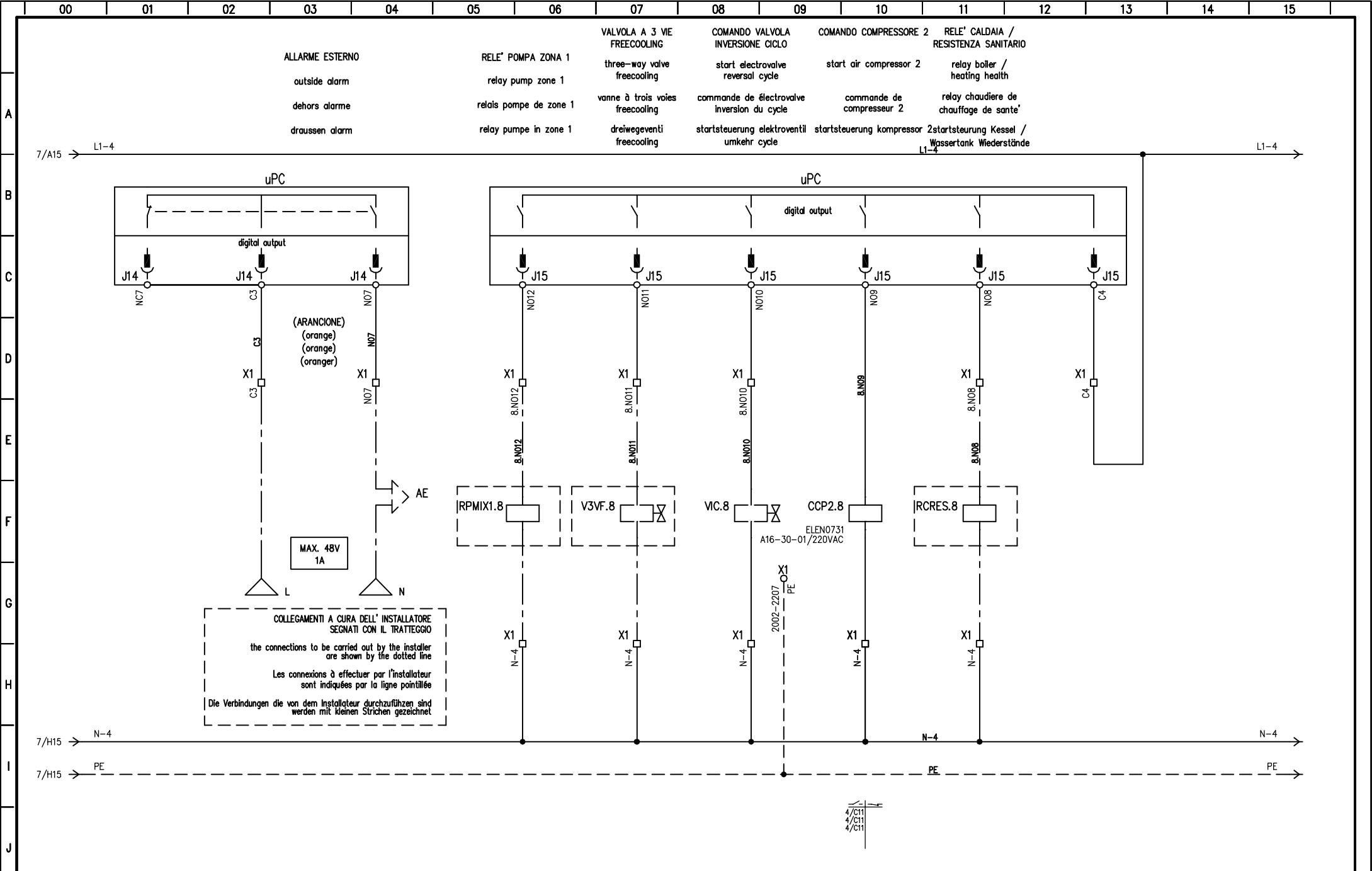
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REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |  |                 |  |                                                    |  |               |  |                                                  |  |               |  |          |  |         |  |                  |  |                  |  |             |  |         |  |           |  |                |  |                |  |
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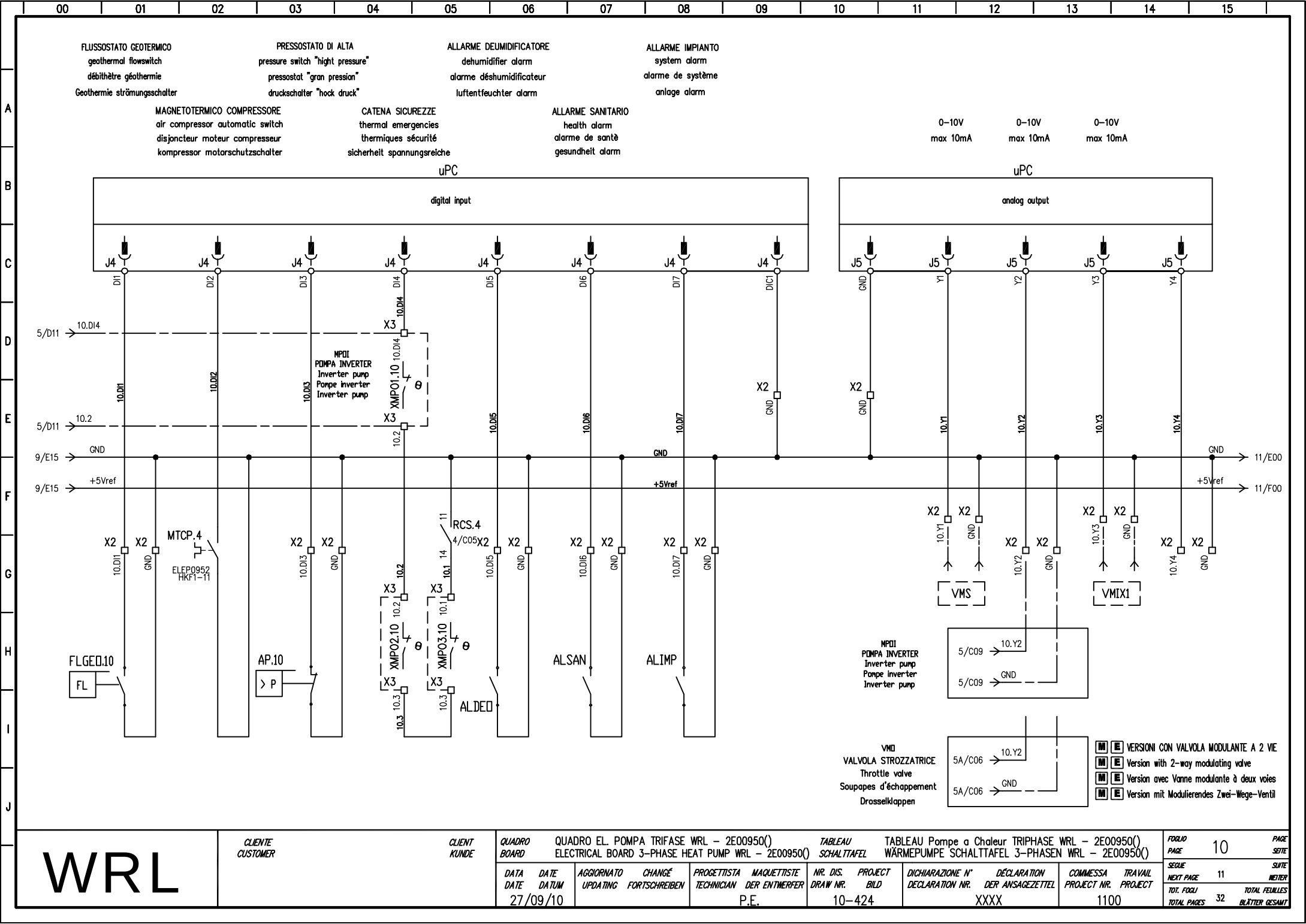
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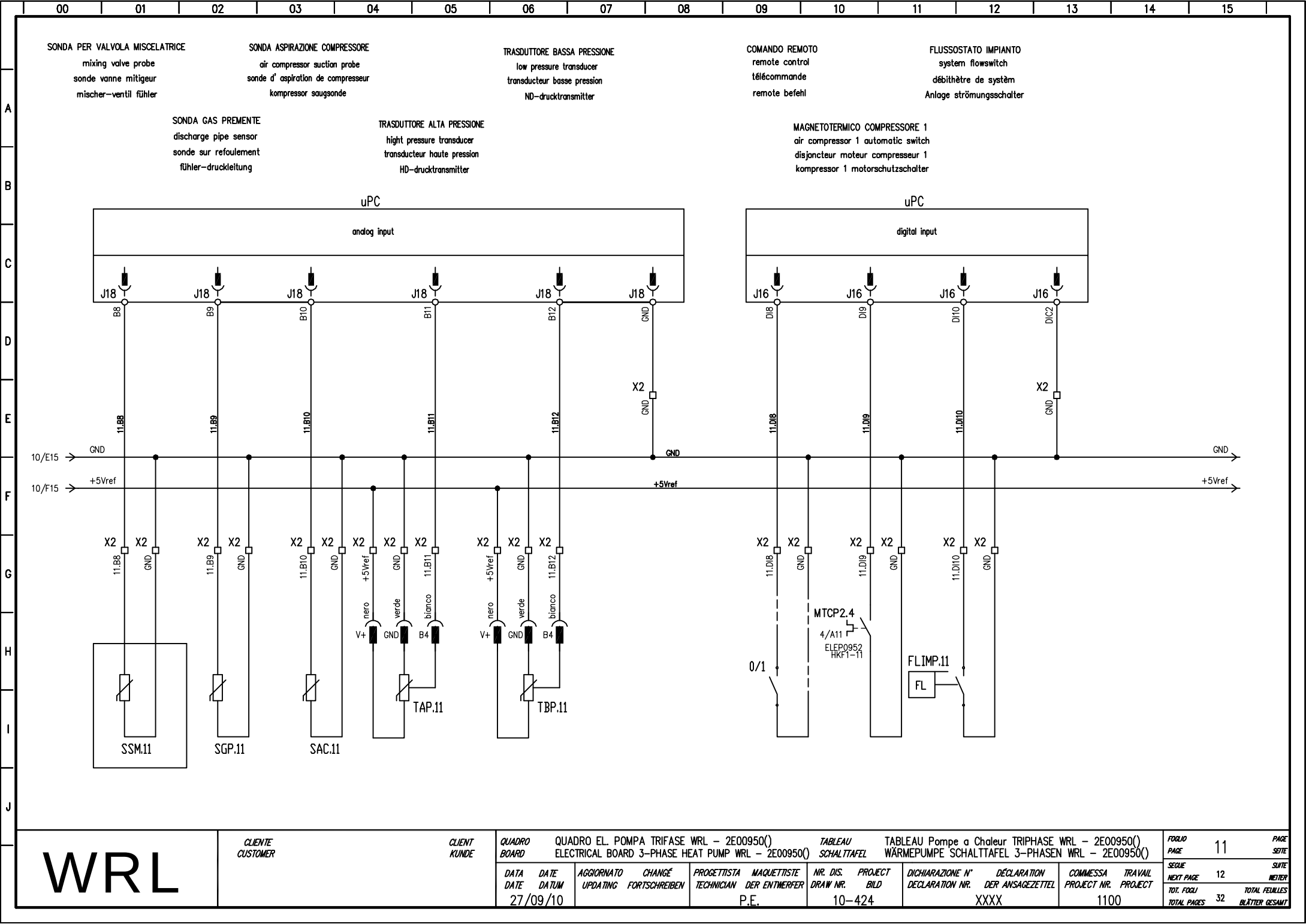
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DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

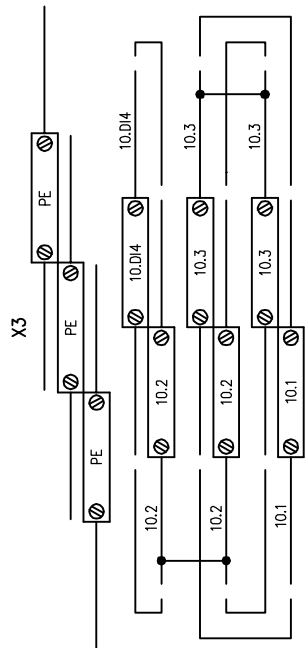
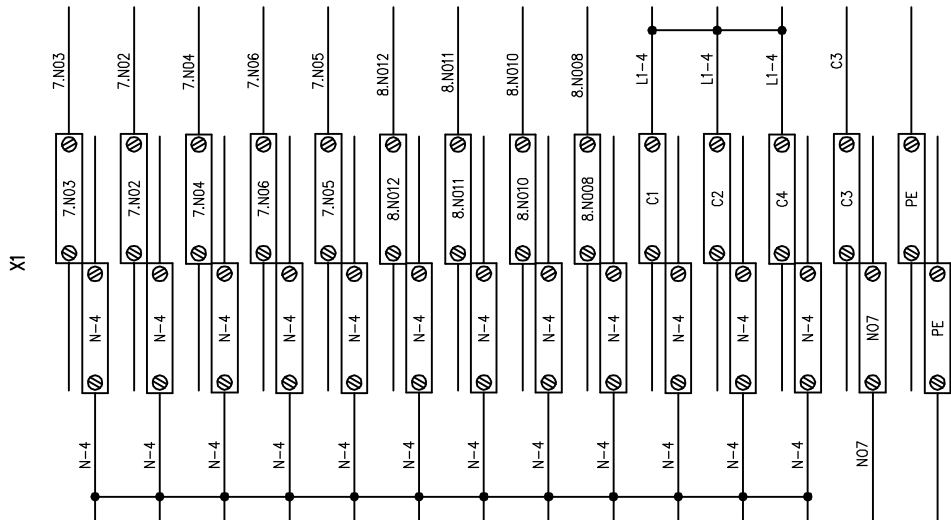
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TOT. FOGLI  
TOTAL PAGES  
32

SUITE  
METIER  
TOTAL FEUILLES  
BLATTIER 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 - 2E00950()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00950()

TABE  
SCHALTTAFEL

TABE  
WÄRMEPUMPE SCHALTTAFEL 3-PHASEN WRL - 2E00950()

FOLIO  
PAGE 12  
PAGE  
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DATA  
DATE 27/09/10

AGGIORNATO  
UPDATING  
CHANGE  
FORTSCHREIBEN

PROGETTISTA  
TECHNICIAN  
MAQUETTISTE  
DER ENTWERFER  
P.E.

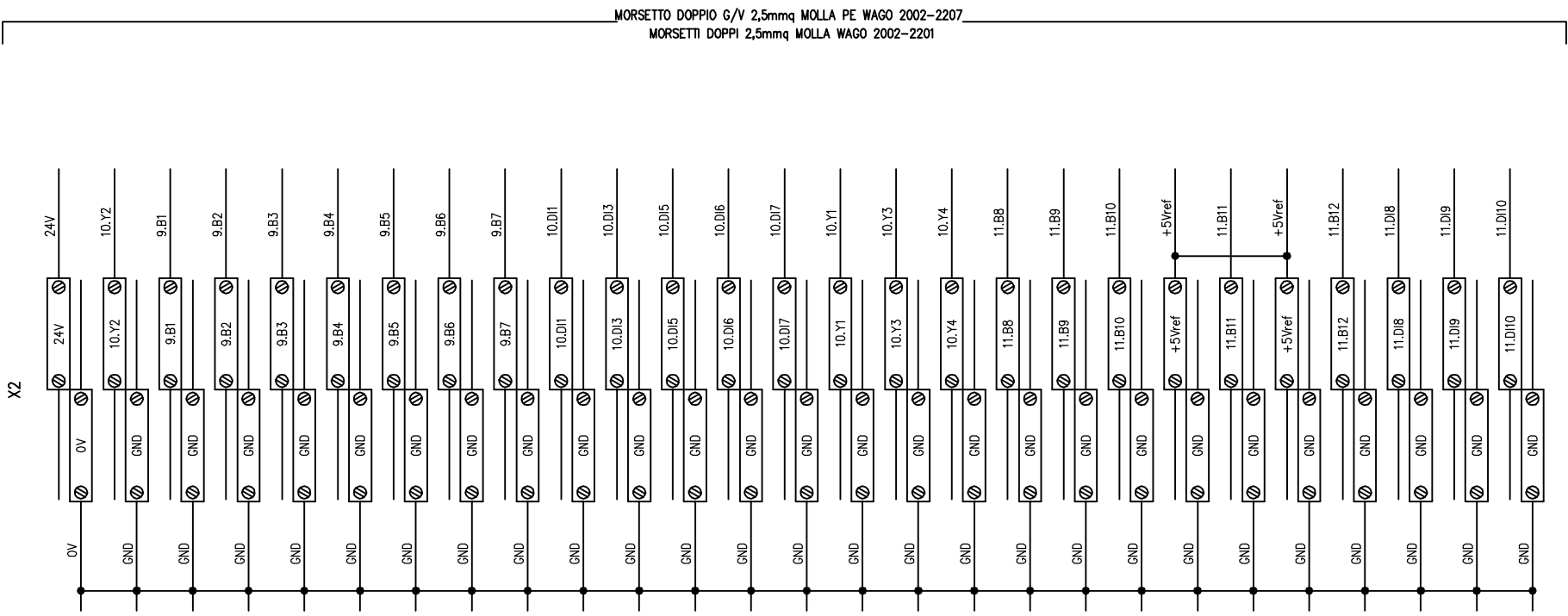
NR. DIS.  
DRAW NR.  
PROJECT  
BILD  
10-424

DICHIARAZIONE N°  
DECLARATION NR.  
DÉCLARATION  
DER ANSAGEZETTEL  
XXXX

COMMESSA  
PROJECT NR.  
TRAVAIL  
PROJECT  
1100

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NEXT PAGE 13  
TOT. FOGLI  
TOTAL PAGES 32  
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WEITER  
TOTAL FEUILLES  
BLÄTTER GESAMT

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WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00950()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00950()

TABE  
SCHALT

TABE  
WÄRM

FOLIO  
PAGE

13

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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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WEITER

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TOTAL PAGES

32

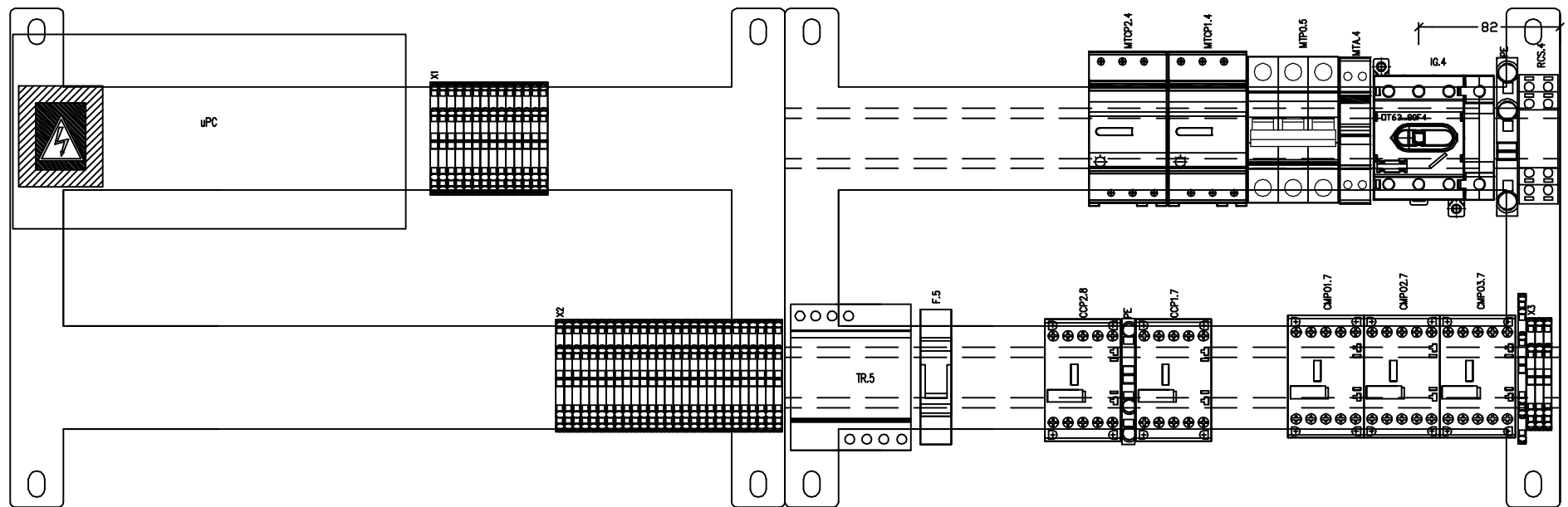
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|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 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                                                                              |

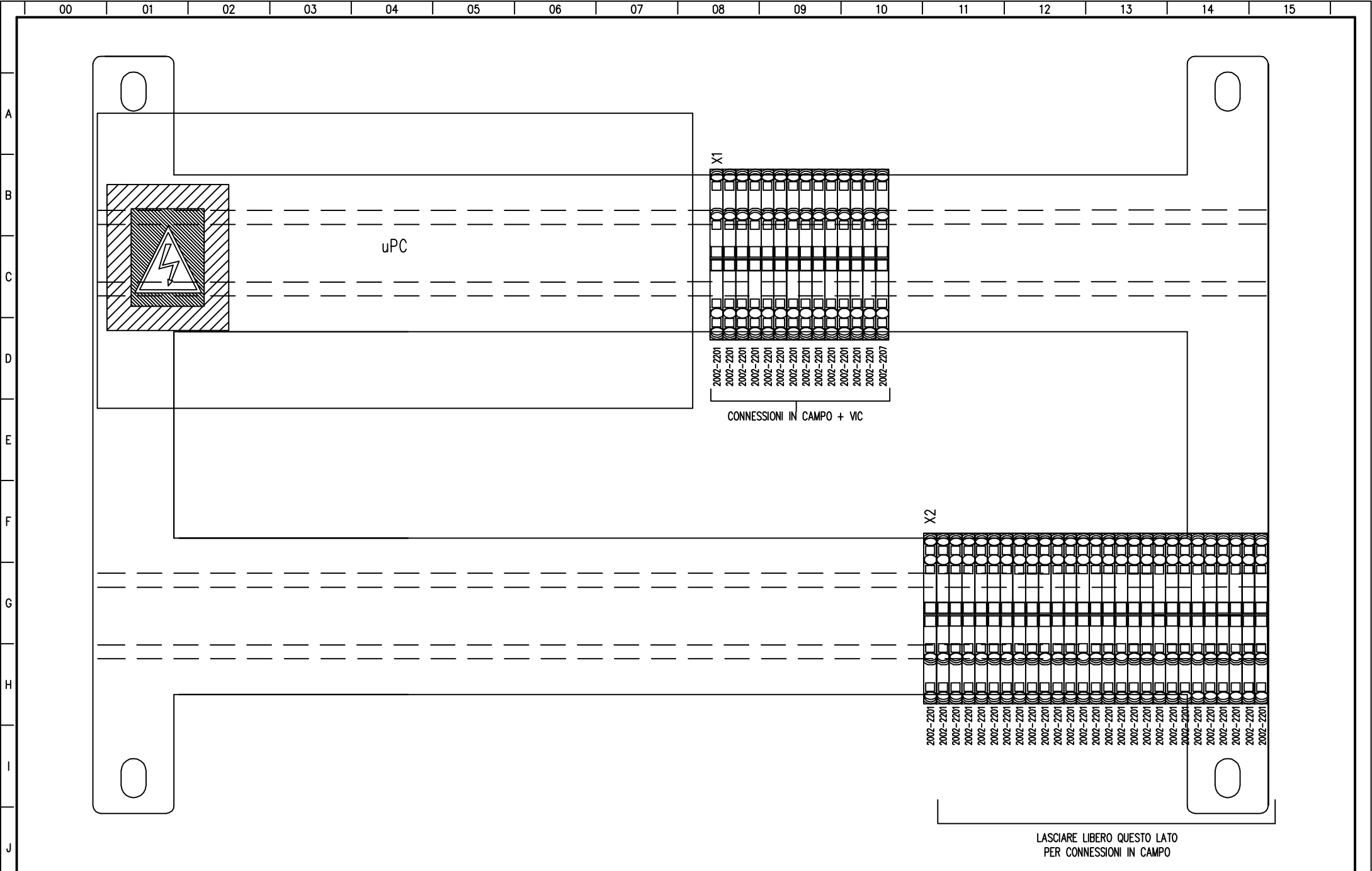
VISTA INTERNA  
fore sight internal  
vue extérieur  
Innenansicht



☒ VERSIONE CON 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



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00950()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00950()

TABE  
SCHALT

TABE  
WÄRMEPUMPE SCHALT

FOLIO  
PAGE

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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

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NEXT PAGE

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NEXT PAGE

27/09/10

P.E.

10-424

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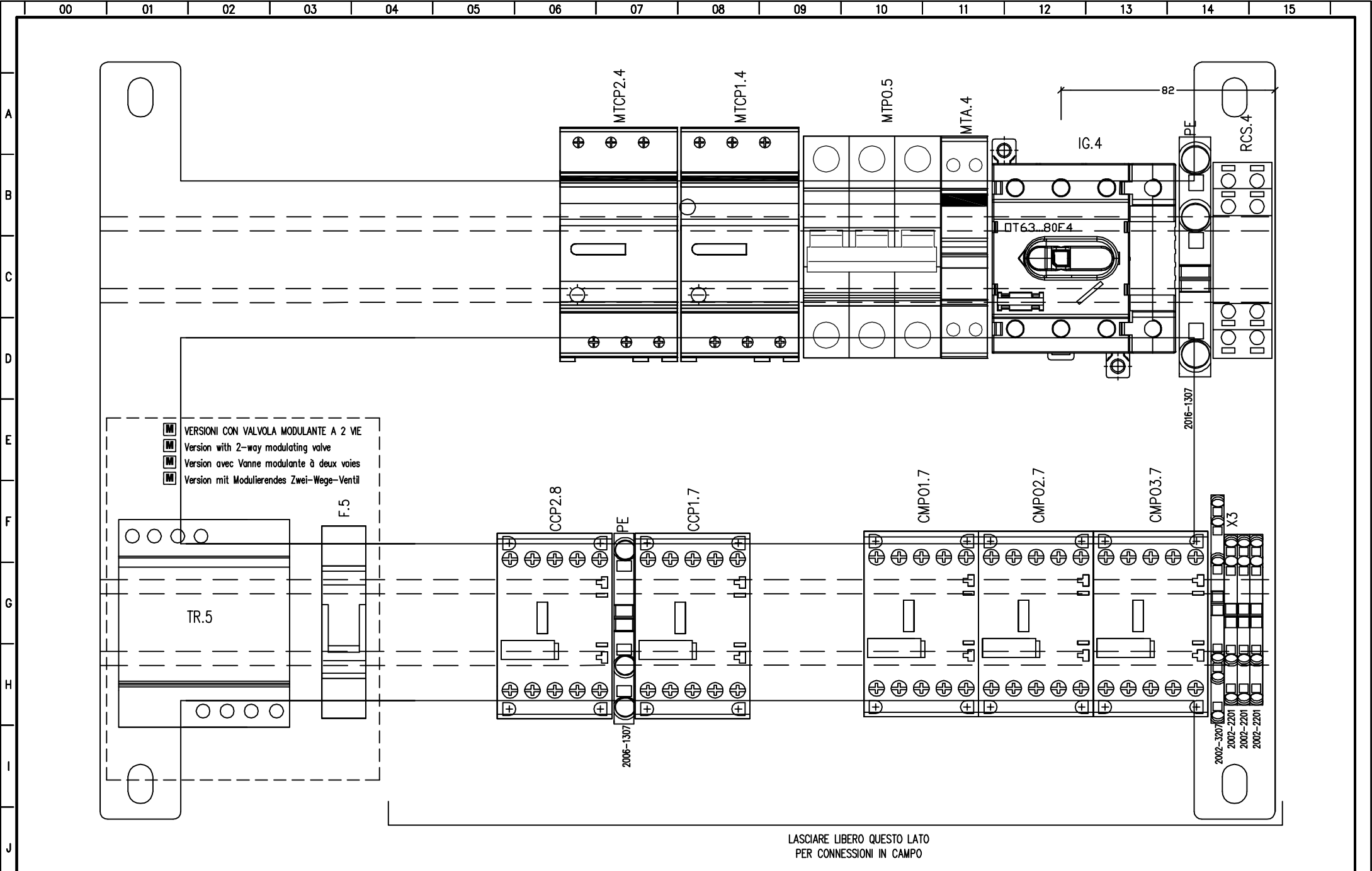
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TOT. FOGLI  
TOTAL PAGES

32

TOTAL FEUILLES  
BLÄTTER GESAMT



WRL

|                     |                 |                 |                                                                                                |                        |                         |                           |                              |                                                                                                    |                 |                                     |                                 |                         |     |                           |                    |                                  |
|---------------------|-----------------|-----------------|------------------------------------------------------------------------------------------------|------------------------|-------------------------|---------------------------|------------------------------|----------------------------------------------------------------------------------------------------|-----------------|-------------------------------------|---------------------------------|-------------------------|-----|---------------------------|--------------------|----------------------------------|
| CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO<br>BOARD | QUADRO EL. POMPA TRIFASE WRL - 2E00950()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00950() |                        |                         |                           | TABLEAU<br>SCHALTAFEL        | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00950()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00950() |                 |                                     |                                 | FOGLIO<br>PAGE          | 14C | 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        | SUITE<br>NEXT PAGE | 15                               |
|                     |                 | 27/09/10        |                                                                                                |                        |                         |                           | P.E.                         | 10-424                                                                                             |                 | XXXX                                |                                 | 1100                    |     | TOT. FOGLI<br>TOTAL PAGES | 32                 | TOTAL FEUILLES<br>BLÄTTER GESAMT |

|                                                       |            |           |                  |
|-------------------------------------------------------|------------|-----------|------------------|
| POMPA TRIFASE                                         |            |           | WRL140<br>WRL160 |
| Quadro elettrico                                      | REV        |           |                  |
| cod.                                                  | 2E00951    | 1         |                  |
| cod.                                                  | 2E00951A   | 1         | A                |
| cod.                                                  | 2E00951M   | 1         | M                |
| cod.                                                  | 2E00951E   | 1         | E                |
|                                                       |            |           |                  |
| rif.                                                  | 2E00789B_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"/> 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 |

|                        |  |                     |  |                      |  |
|------------------------|--|---------------------|--|----------------------|--|
| WRL                    |  |                     |  |                      |  |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |  |
| COD. ARTICOLO          |  | Article Code        |  | 2E00951O_01 03/03/11 |  |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE – 50 Hz 400V  |  |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V 400 Hz 50          |  |
| POMPA DI CALORE WRL140 |  | Heat Pump WRL140    |  | A Max 21,6           |  |
| POMPA DI CALORE WRL160 |  | Heat Pump WRL160    |  | A Max 24,2           |  |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP 2x                |  |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 |  |

|                        |  |                     |  |                      |  |
|------------------------|--|---------------------|--|----------------------|--|
| WRL                    |  |                     |  |                      |  |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |  |
| Code Article           |  | Artikelcode         |  | 2E00951O_01 03/03/11 |  |
| Alimentation           |  | Stromversorgung     |  | 3/N/PE – 50 Hz 400V  |  |
| Tension Nominale       |  | Nennspannung        |  | V 400 Hz 50          |  |
| Pompe a Chaleur WRL140 |  | Wärmepumpe WRL140   |  | A Max 21,6           |  |
| Pompe a Chaleur WRL160 |  | Wärmepumpe WRL160   |  | A Max 24,2           |  |
| Degrè de protection    |  | Schutzgrad          |  | IP 2x                |  |
| Note                   |  | Anmerkungen:        |  | XXXX                 |  |

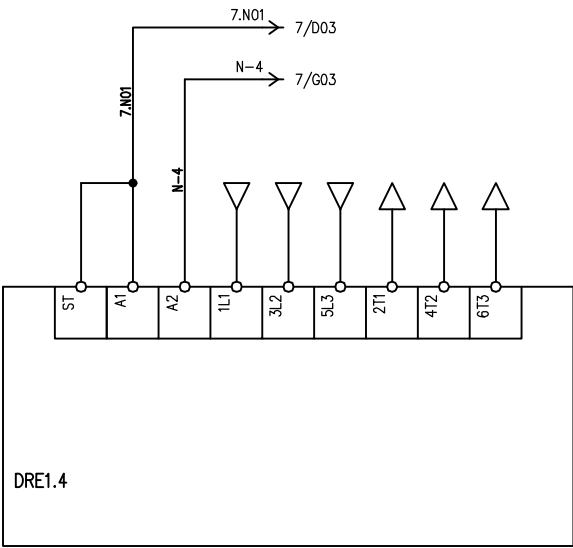
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|--------|----------|-----------------------------------------|------------|-------------|---------------|
| REV.10 |          |                                         |            |             |               |
| REV.9  |          |                                         |            |             |               |
| 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              |
|                                                                                                                                                      |                 | 10-425                       |                              |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                 | DATE<br>DATUM                |
|                                                                                                                                                      |                 | 27/09/10                     |                              |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING       | CHANGE<br>FORTSCHREIBEN      |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00951                      | 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                         |                              |

|     |  | 00                                                                                                                                                                                                                                                                                                                                                                                         | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12                                | 13 | 14                                | 15 |  |
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| A   |  | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FRANCAIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    | DEUTSCH                                                                                        |                                                                                                                                                                                        | ITALIANO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ENGLISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FRANCAIS                          |    | DEUTSCH                           |    |  |
|     |  | O/1<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 ACCESSO/SPENTO<br>ALLARME ESTERNO<br>ALLARME<br>ALLARME DEUMIDIFICATORE<br>ALLARME SANITARIO<br>ALLARME CALDAIA/RESISTENZA<br>BLU<br>CONTATTATORE COMPRESSORE<br>COMPRESSORE<br>CONTATTATORE MOTOPOMPA<br>RELE' CALDAIA/RESISTENZA IMPIANTO<br>RELE' CALDAIA/RESISTENZA SANITARIO<br>DISPOSITIVO BASSE TEMPERATURE 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 exterieur<br>alarme<br>alarme déshumidificateur<br>alarme la santé<br>alarme chaudiere/resistance<br>bleue<br>contacteur compresseur<br>compresseur<br>contacteur de pompe<br>relay chaudiere/système de chauffage<br>relay chaudiere de chauffage de sante'<br>dispositif pour basse temperature<br>dehumidifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Schalter ein/aus<br>fernsteormeldung<br>darm<br>darm entfuechter<br>gesundheit alarm<br>dirm kessel/elekt. Widerstände<br>blau<br>kompressorschuetz<br>kompressor<br>steuerschutz pumpe<br>relais kessel/heizung<br>startsteuerung Kessel/Wassertank<br>Widerstände<br>winterregelung<br>entfeuchters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                                                                                                | 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 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 électrovalve électronique<br>débitmètre géothermie<br>débitmètre de système<br>bornes de pressostat "gran pression"<br>borne de pressostat "basse pression"<br>sonde air exterieur<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 robinet mélange<br>transducteur haute pression<br>transducteur basse pression | hochdruckpressostat<br>druckschalter "niedrig druck"<br>stromungswaechter<br>startsteuerung ventilelektronik<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 fñhler-austritt<br>fühler-wasseraustritt (NTC)<br>fühler-wasseraustritt (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>MP01<br>MP02<br>MP03<br>MRTF<br>MSN<br>MTA<br>MTWPO<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>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 | AVMATORE<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 | AVMATEUR<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 rele'<br>phase sequence relay<br>antifreeze resistances<br>antifreeze recovery<br>pump rele'<br>heating device<br>economizer rele'<br>tray resistance<br>second set<br>thermal emergencies<br>delayed rele'<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>reverse 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 | demarreur<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>magnetho-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 bssins<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 | 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 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>hackdruckrelais<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 gebläse<br>dreiwegeventil freecooling<br>dreiwegeventil 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 |    |                                                                                                | MP01B<br>MP01U<br>MP01I                                                                                                                                                                | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Pump standard<br>Pump Erhöhten Volumenstrom<br>Inverter pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |    | 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| C   |  |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| WRL |  | CLIENTE<br>CUSTOMER                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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POMPA TRIFASE WRL - 2E00951()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951() |                                                                                                                                                                                        | TABLEAU<br>SCHALTAFEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00951()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00951()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FOGLIO<br>PAGE                    |    | 2                                 |    |  |
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FOGLI<br>TOTAL PAGES         |    | 32                                |    |  |
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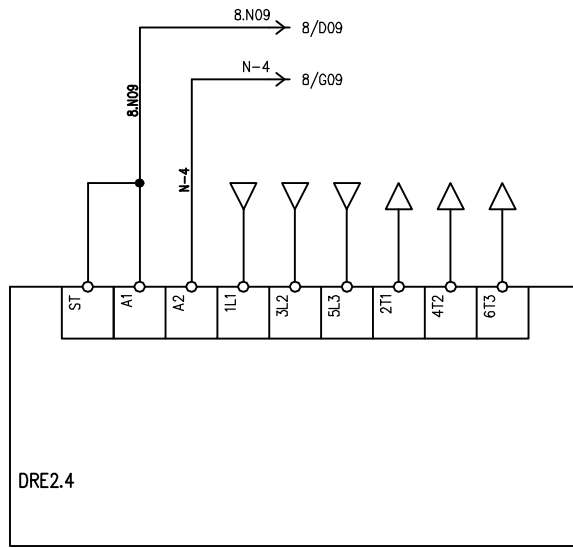


DRE1.4

1 RAMP time START : 1sec  
2 RAMP time STOP : 0,5sec  
3 initial voltage : 40%

AVVIATORE  
softstart  
démarrreur  
anlasser

|            |              |
|------------|--------------|
| WRL100     | PSR12-600-70 |
| WRL140/160 | PSR16-600-70 |



DRE2.4

1 RAMP time START : 1sec  
2 RAMP time STOP : 0,5sec  
3 initial voltage : 40%

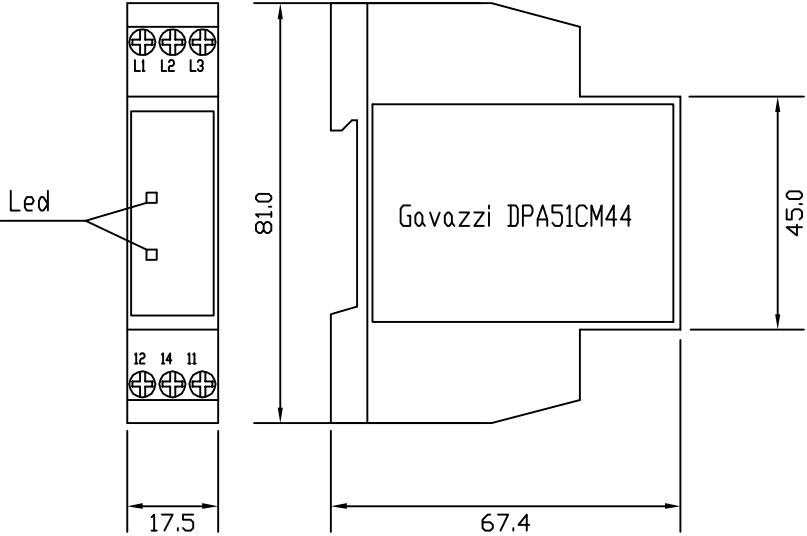
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| WRL100     | PSR12-600-70 |
| WRL140/160 | PSR16-600-70 |

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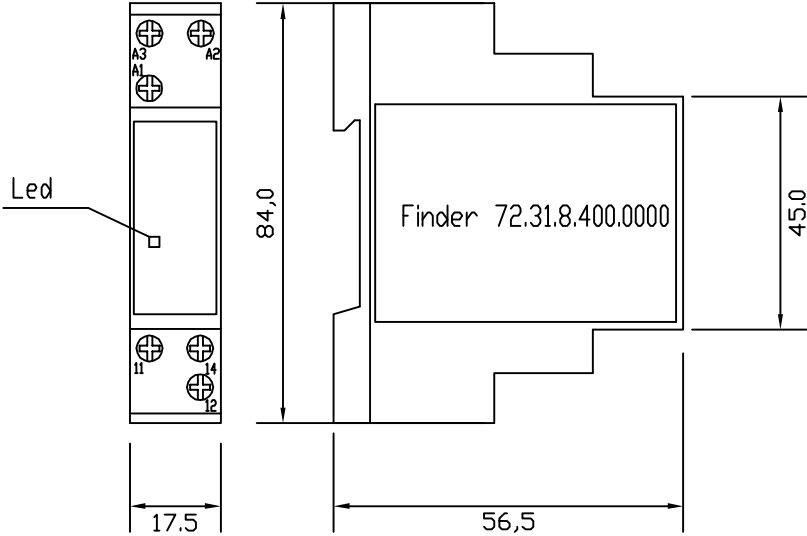
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L2 = L2  
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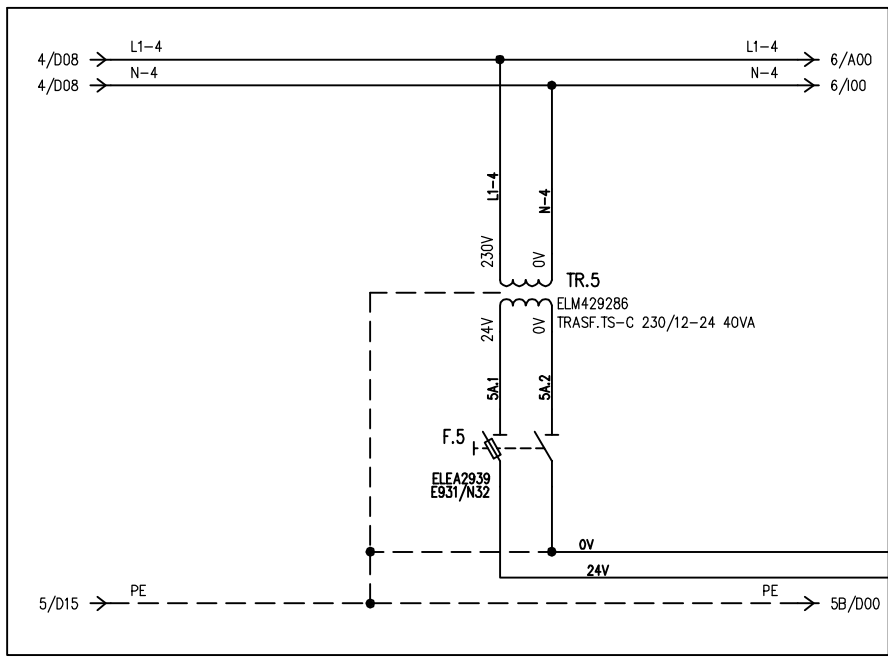
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A1 = L1  
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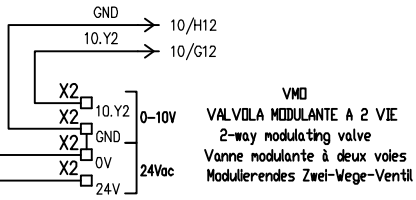
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| A   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| B   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| C   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| D   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| E   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| F   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| G   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| H   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| I   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| J   |                     |                 |          |                                                    |            |               |             |               |                                                  |                  |                  |             |             |         |                |    |       |
| WRL | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO   | QUADRO EL. POMPA TRIFASE WRL - 2E00951()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00951() |                  |                  |             | FOGLIO      | 5       | PAGE           |    |       |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00951()   |                  |                  |             | 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 | DECLARATION NR.                                  | DER ANSAGEZETTEL | PROJECT NR.      | PROJECT     | NEXT PAGE   | 5A      | METIER         |    |       |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-425                                           |                  | XXXX             | 1100        | TOT. FOGLI  | 32      | 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<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           |                           |                         | ABB SACE                                                                                |             |                                                                                    |             |       |             |    |    |     |    | maschinenhersteller         |                           | constructeur                     |                            | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |            |                       |  |
|                                                                            | TIPO                  |                           |                         | 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                 |                            | pouvoir de<br>interruption                                                   |            | A (kurve) Im (courbe) |  |
|                                                                            | TIPO                  | type                      |                         | 10x38                                                                                   |             |                                                                                    |             |       |             |    |    |     |    | typ                         |                           | type                             |                            |                                                                              |            |                       |  |
| CONTATTORE<br>contactor                                                    | CALIBRO               |                           |                         | caliber                                                                                 |             | A                                                                                  |             | 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>power line                                          | TARATURA              |                           |                         | calibration                                                                             |             | A                                                                                  |             |       |             |    |    |     |    | A                           |                           | eichung                          |                            | calibrage                                                                    |            | relais thermique      |  |
|                                                                            | 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.  | %     |             |    |    |     |    |                             | stem<br>% spannungsfaktor |                                  | Cdt tot. a lb              | % spannungsfaktor                                                            | Cdt a lb   |                       |  |
|                                                                            | Zk                    |                           |                         | mΩ                                                                                      |             | Zs                                                                                 | mΩ          |       |             |    |    |     |    |                             | mΩ                        |                                  | Zs                         | mΩ                                                                           |            | Zk                    |  |
|                                                                            | Ik1                   |                           |                         | kA                                                                                      |             | Ik3                                                                                | kA          |       | Ik4         | kA |    | Ik5 | kA |                             | Ik1                       |                                  | Ik3                        |                                                                              | Ik4        | Ik5                   |  |
| trifase/mono                                                               |                       |                           | 3/1-phase               |                                                                                         | fase/terra  |                                                                                    | phase/earth |       | kA          |    | kA |     | kA |                             | trifase/mono              |                                  | 3/1-phase                  |                                                                              | fase/terra |                       |  |
| kA                                                                         |                       |                           | phase/phase             |                                                                                         | phase/terre |                                                                                    | phase/phase |       | phase/terre |    | kA |     | kA |                             | kA                        |                                  | trifase/mono               |                                                                              | 3/1-phase  |                       |  |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00951()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00951()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00951()

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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  
10-425

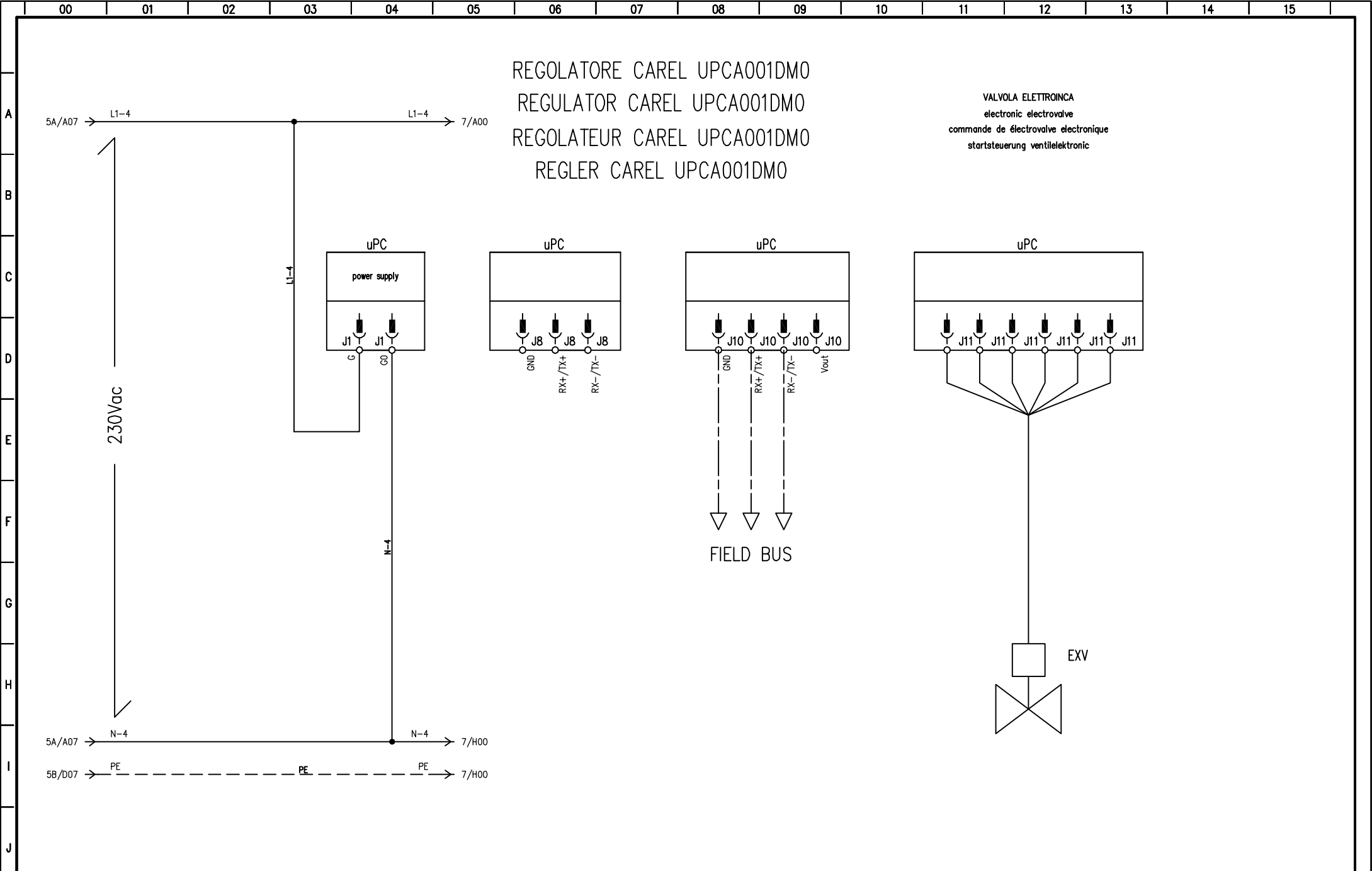
DICHIARAZIONE N°  
DECLARATION NR.  
XXXX

COMMESSA TRAVAIL  
PROJECT PROJECT  
1100

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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   | QUADRO EL. POMPA TRIFASE WRL - 2E00951()           |            |               |             |               | TABLEAU    | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00951() |                  |                  |             |         | FOGLIO     | 5B | PAGE           |                |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951() |            |               |             |               | SCHALTAFEL | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00951()   |                  |                  |             |         | 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 |    | 32             | TOTAL FEUILLES |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-425     |                                                  | XXXX             |                  | 1100        |         |            |    | BLÄTTER GESAMT |                |

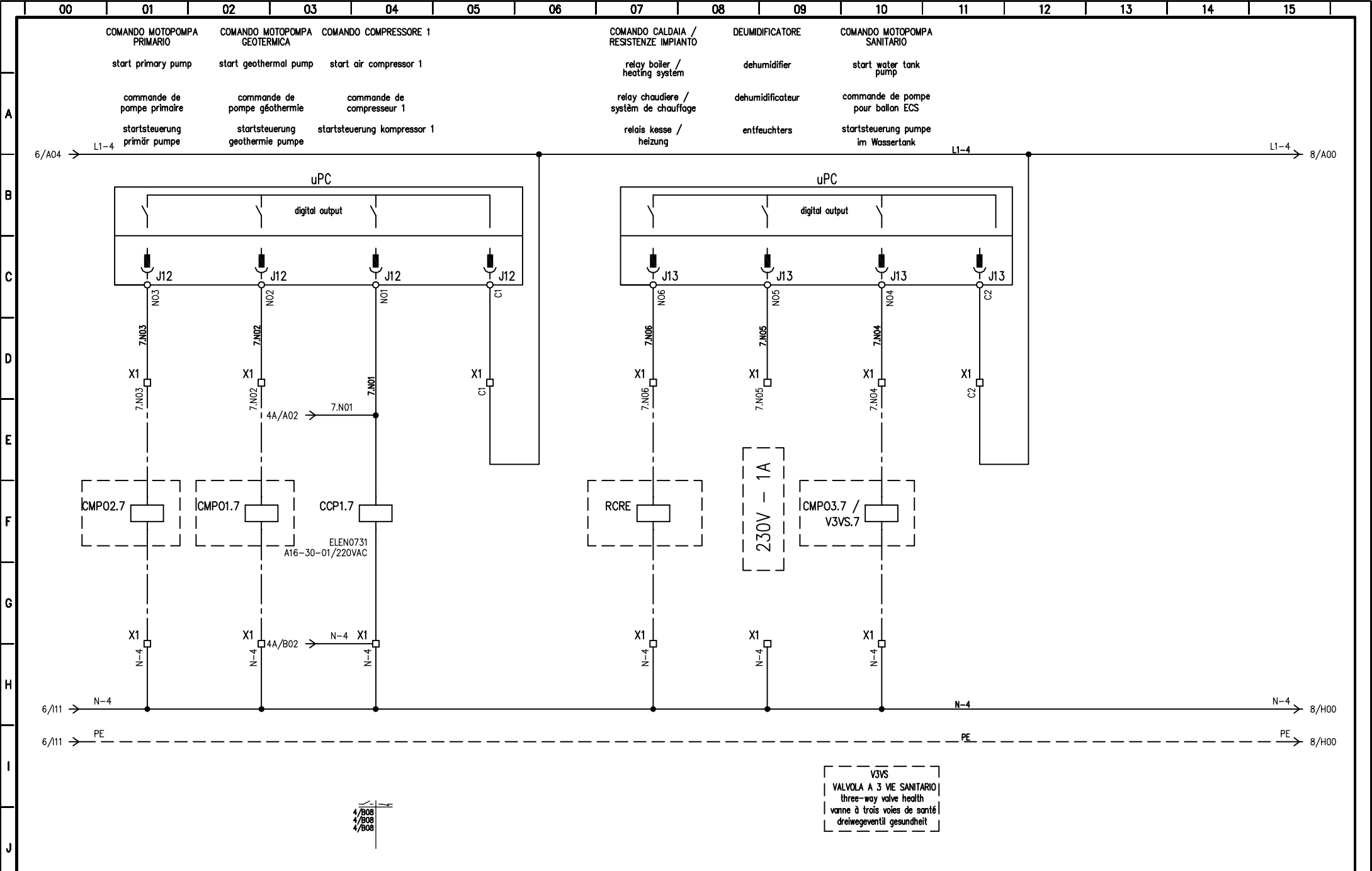


REGOLATORE CAREL UPCA001DM0  
REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

VALVOLA ELETTRONICA  
electronic electrovalve  
commande de electrovalve electronique  
startsteuerung ventilelektronik

WRL

|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  |         |  |                |  |                |  |        |  |
|---------------------|--|-----------------|--|------------|--|----------------------------------------------------|--|-------------|--|---------------|--|--------------------------------------------------|--|---------|--|------------------|--|------------------|--|-------------|--|---------|--|----------------|--|----------------|--|--------|--|
| CLIENTE<br>CUSTOMER |  | CLIENT<br>KUNDE |  | QUADRO     |  | QUADRO EL. POMPA TRIFASE WRL – 2E00951()           |  |             |  | TABLEAU       |  | TABLEAU Pompe a Chaleur TRIPHASE WRL – 2E00951() |  |         |  | FOGLIO           |  | PAGE             |  |             |  |         |  |                |  |                |  |        |  |
|                     |  |                 |  | BOARD      |  | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL – 2E00951() |  |             |  | SCHALTAFEL    |  | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL – 2E00951()   |  |         |  | PAGE             |  | 6                |  | 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      |  | 7              |  | WEITER |  |
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|                     |  |                 |  |            |  |                                                    |  |             |  |               |  |                                                  |  |         |  |                  |  |                  |  |             |  | 32      |  | BLÄTTER GESAMT |  |                |  |        |  |



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00951()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951()

TABEUAU  
SCHALTAFEL

TABEUAU Pompe a Chaleur TRIPHASE WRL - 2E00951()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00951()

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

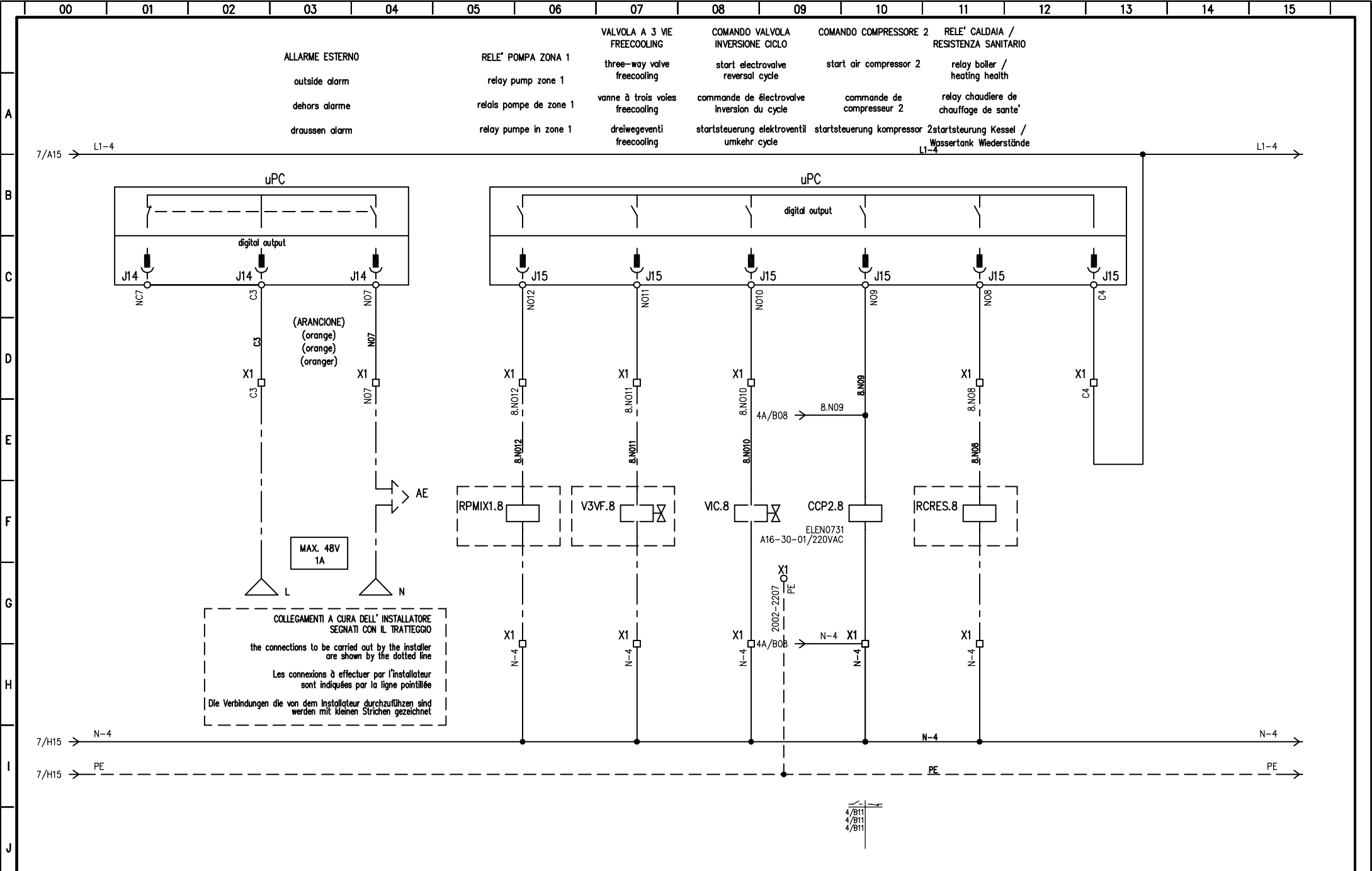
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DRAW NR. BILD  
10-425

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

CLIENTE  
CUSTOMER

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KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00951()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00951()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00951()

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PROGETTISTA  
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DER ENTWERFER  
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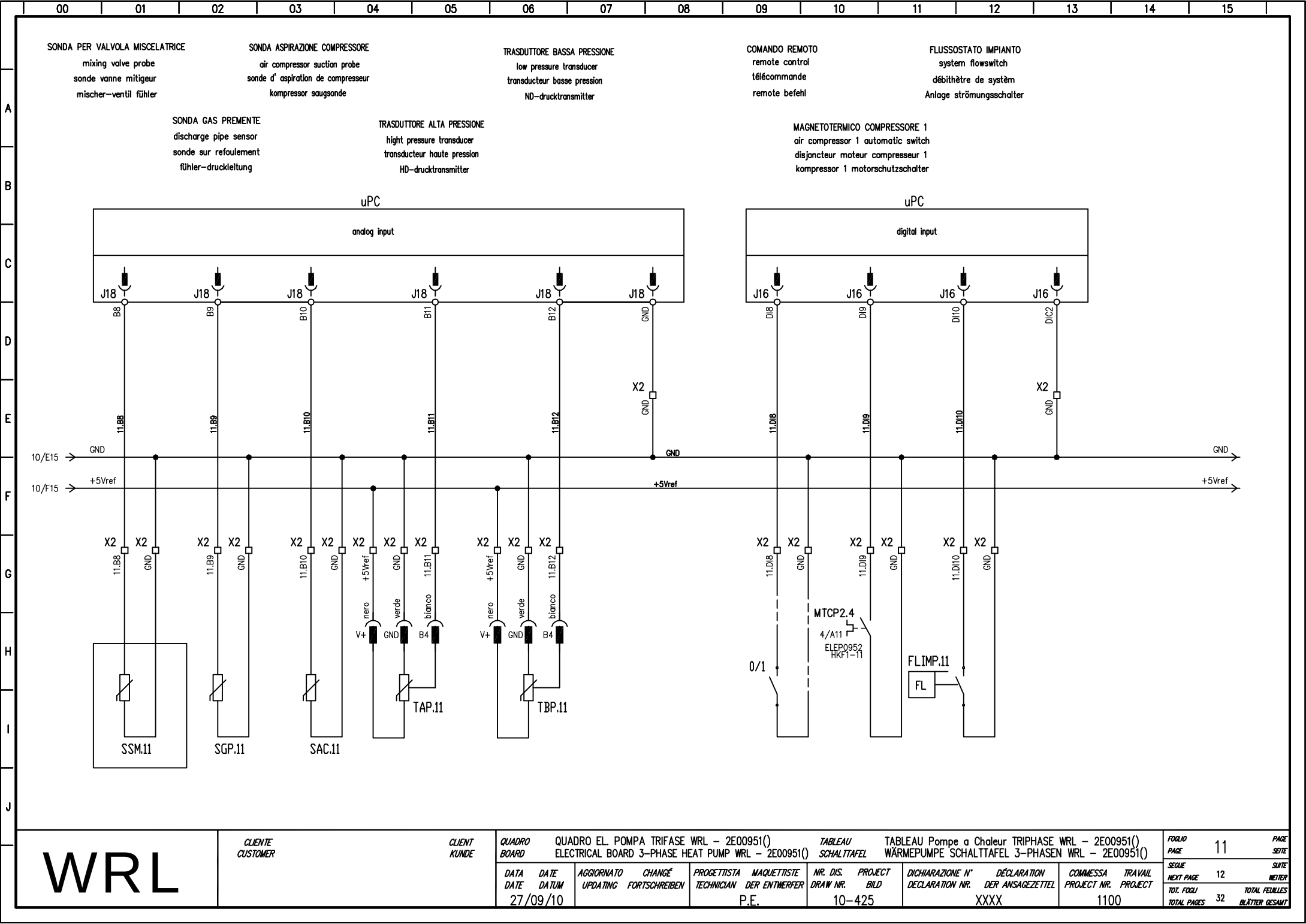
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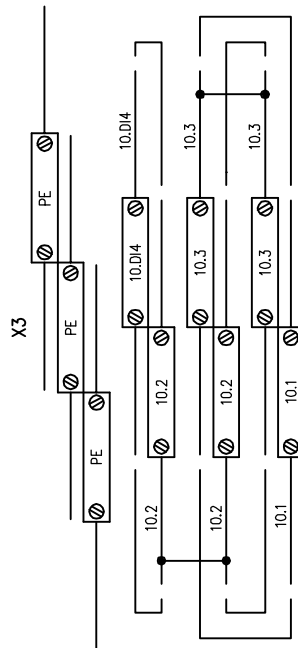
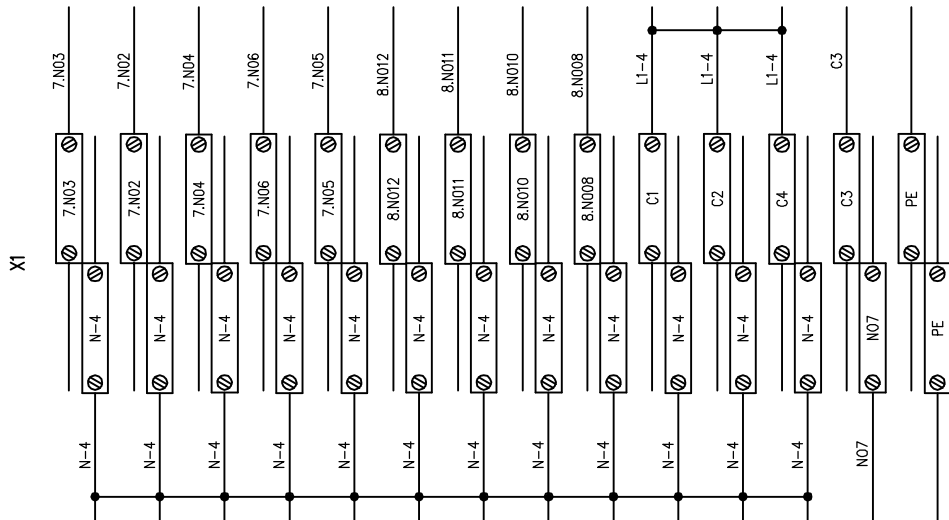






MORSETTO DOPPIO G/V 2,5mmq MOLLA PE WAGO 2002-2207  
MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

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 - 2E00951()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951()

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TABE  
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CHANGE  
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MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
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PROJECT  
BILD

DICHIARAZIONE N°  
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DÉCLARATION  
DER ANSAGEZETTEL

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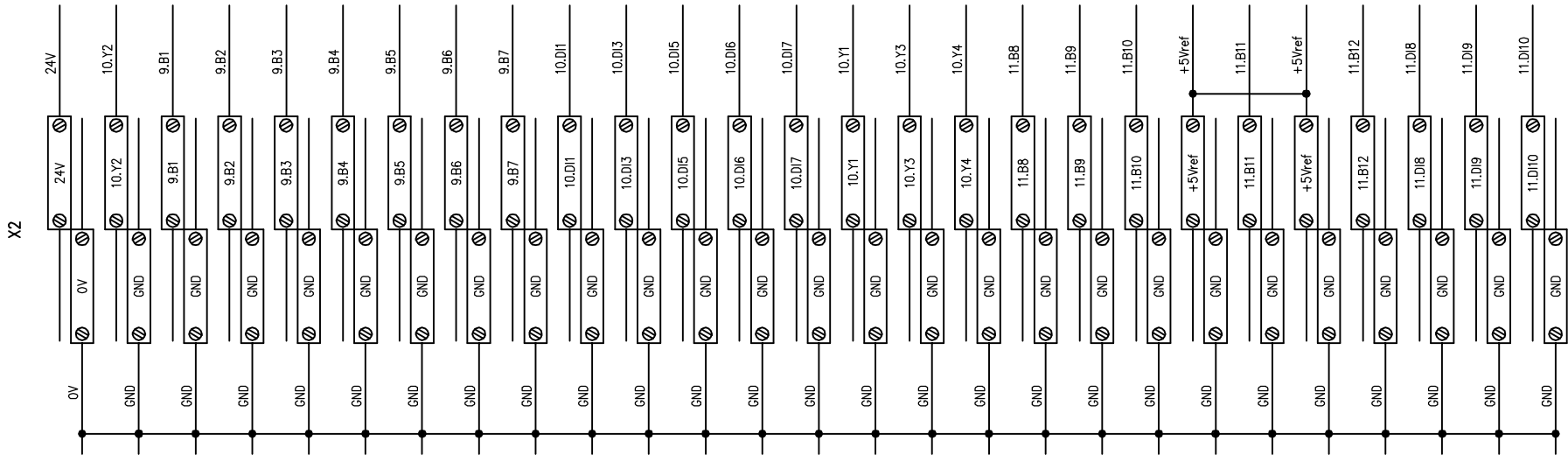
TOT. FOGLI  
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TOTAL FEUILLES  
BLÄTTER GESAMT

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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  
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QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00951()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951()

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PROGETTISTA  
TECHNICIAN

MAQUETTISTE  
DER ENTWERFER

NR. DIS.  
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PROJECT  
BILD

DICHIARAZIONE N°  
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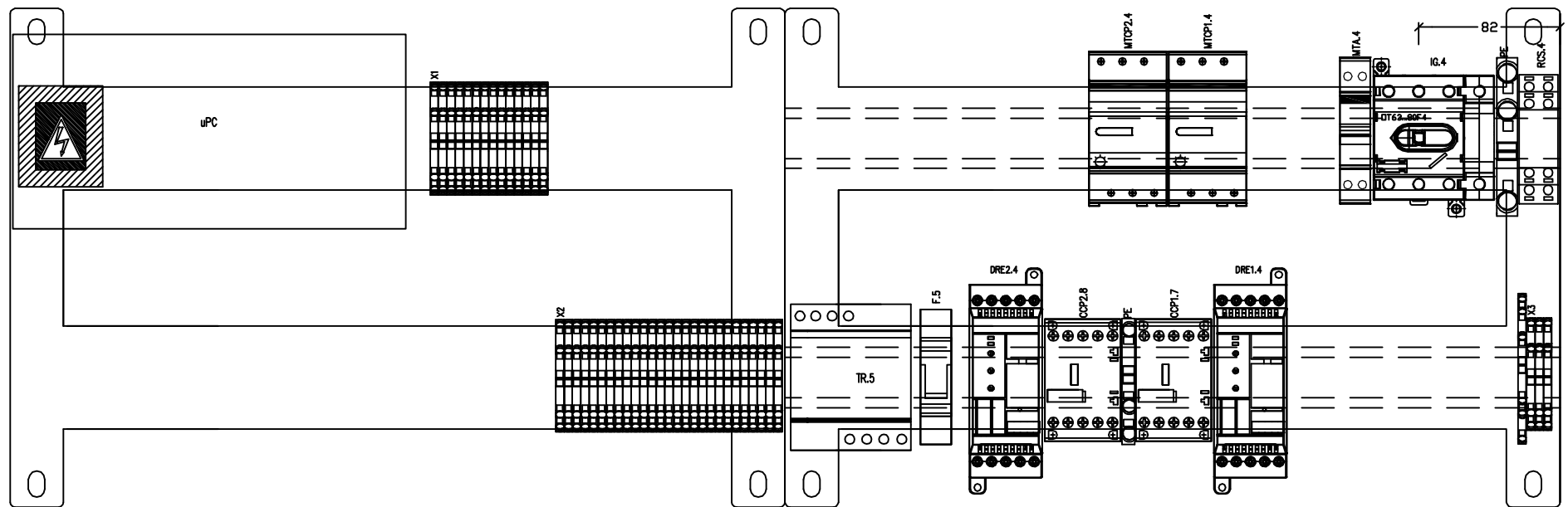
TOTAL FEUILLES  
BLÄTTER GESAMT

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| 00  | 01                                                                                                                                                                                                                      | 02 | 03 | 04                  | 05                                                                                                | 06                     | 07                                                                                             | 08                        | 09                                                                                                 | 10                   | 11                                                                                       | 12                                  | 13                              | 14                      | 15                 |                          |     |                                  |
| A   |                                                                                                                                                                                                                         |    |    |                     | DATI TECNICI CARPENTERIA                                                                          |                        | TECHNICAL DATA BOX                                                                             |                           | DONNÉES TECHNIQUES<br>TABLEAU                                                                      |                      | TECHNISCHEN DATEN<br>DES RAHMENS                                                         |                                     |                                 |                         |                    |                          |     |                                  |
| B   |                                                                                                                                                                                                                         |    |    |                     | 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: / |                                     |                                 |                         |                    |                          |     |                                  |
| C   |                                                                                                                                                                                                                         |    |    |                     | DIMENSIONI                                                                                        |                        | DIMENSION                                                                                      |                           | DIMENSION                                                                                          |                      | ABMESSUNGEN                                                                              |                                     |                                 |                         |                    |                          |     |                                  |
| D   |                                                                                                                                                                                                                         |    |    |                     | 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                                                   |                                     |                                 |                         |                    |                          |     |                                  |
| E   |                                                                                                                                                                                                                         |    |    |                     | NOTE                                                                                              |                        | NOTES                                                                                          |                           | NOTE                                                                                               |                      | BEMERKUNGEN                                                                              |                                     |                                 |                         |                    |                          |     |                                  |
| F   | VISTA INTERNA<br>fore sight internal<br>vue extérieur<br>innenansicht                                                                                                                                                   |    |    |                     |                                                                                                   |                        |                                                                                                |                           |                                                                                                    |                      |                                                                                          |                                     |                                 |                         |                    |                          |     |                                  |
| G   |                                                                                                                                                                                                                         |    |    |                     |                                                                                                   |                        |                                                                                                |                           |                                                                                                    |                      |                                                                                          |                                     |                                 |                         |                    |                          |     |                                  |
| H   | <div><input type="checkbox"/> QUADRO DI SERIE</div> <div><input type="checkbox"/> Standard Board</div> <div><input type="checkbox"/> Tableau standard</div> <div><input type="checkbox"/> serienmäßig schalttafel</div> |    |    |                     |                                                                                                   |                        |                                                                                                |                           |                                                                                                    |                      |                                                                                          |                                     |                                 |                         |                    |                          |     |                                  |
| I   |                                                                                                                                                                                                                         |    |    |                     |                                                                                                   |                        |                                                                                                |                           |                                                                                                    |                      |                                                                                          |                                     |                                 |                         |                    |                          |     |                                  |
| J   |                                                                                                                                                                                                                         |    |    |                     |                                                                                                   |                        |                                                                                                |                           |                                                                                                    |                      |                                                                                          |                                     |                                 |                         |                    |                          |     |                                  |
| WRL |                                                                                                                                                                                                                         |    |    | CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE                                                                                   | QUADRO<br>BOARD        | QUADRO EL. POMPA TRIFASE WRL - 2E00951()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951() | TABLEAU<br>SCHALTAFEL     | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00951()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00951() | FOLIO<br>PAGE        |                                                                                          | 14                                  |                                 | 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>NEXT PAGE       | 14A | SUITE<br>NEXTE                   |
|     |                                                                                                                                                                                                                         |    |    | 27/09/10            |                                                                                                   |                        |                                                                                                | P.E.                      |                                                                                                    | 10-425               |                                                                                          | XXXX                                |                                 | 1100                    |                    | TOT. FOLI<br>TOTAL PAGES | 32  | TOTAL FEUILLES<br>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                                                                              |

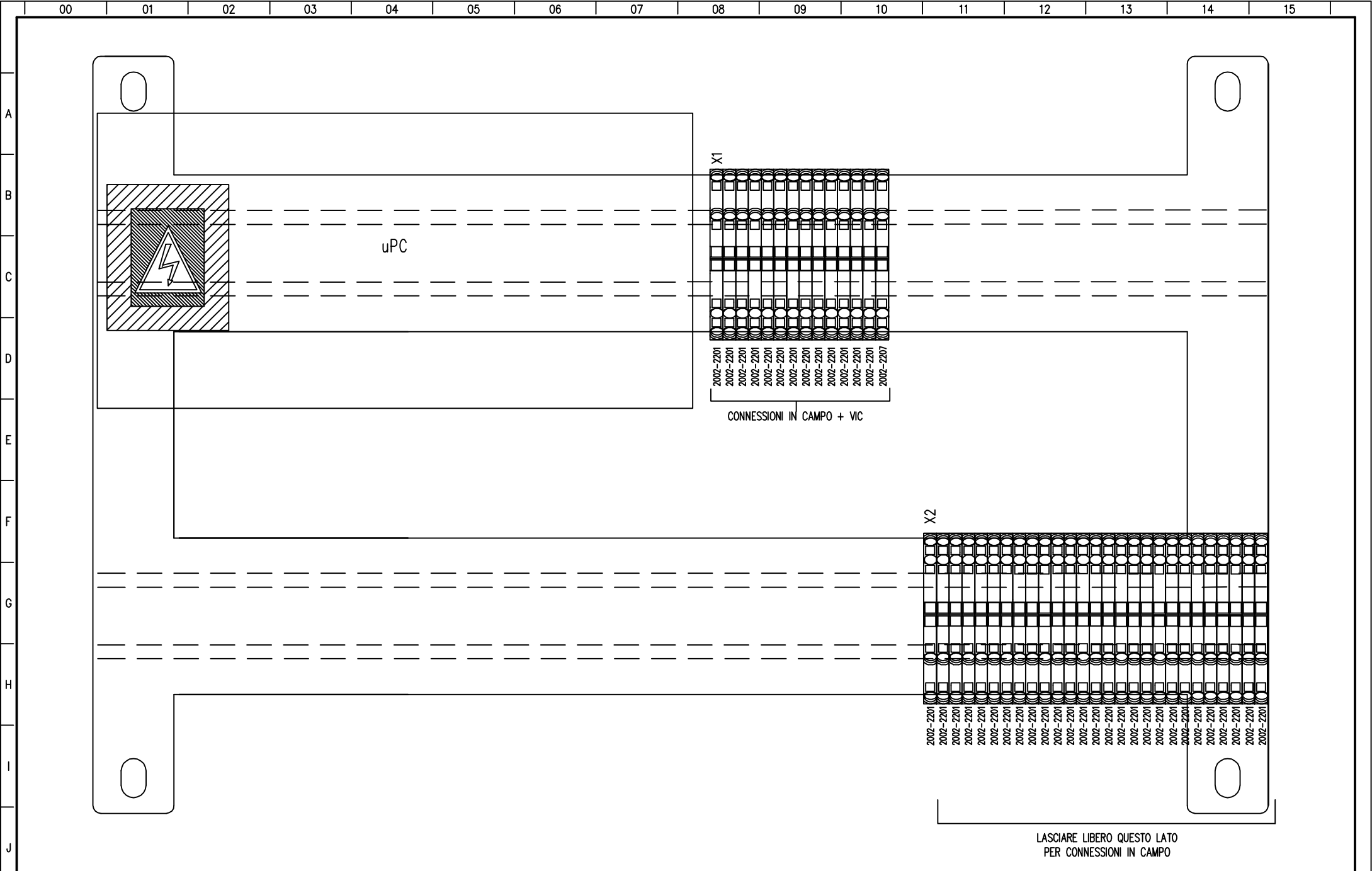
VISTA INTERNA  
fore sight internal  
vue extérieur  
Innenansicht



☒ 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



WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00951()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00951()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00951()

FOLIO  
PAGE

14B

PAGE  
SEITE

DATA DATE  
DATE DATUM  
27/09/10

AGGIORNATO CHANGE  
UPDATING FORTSCHREIBEN  
P.E.

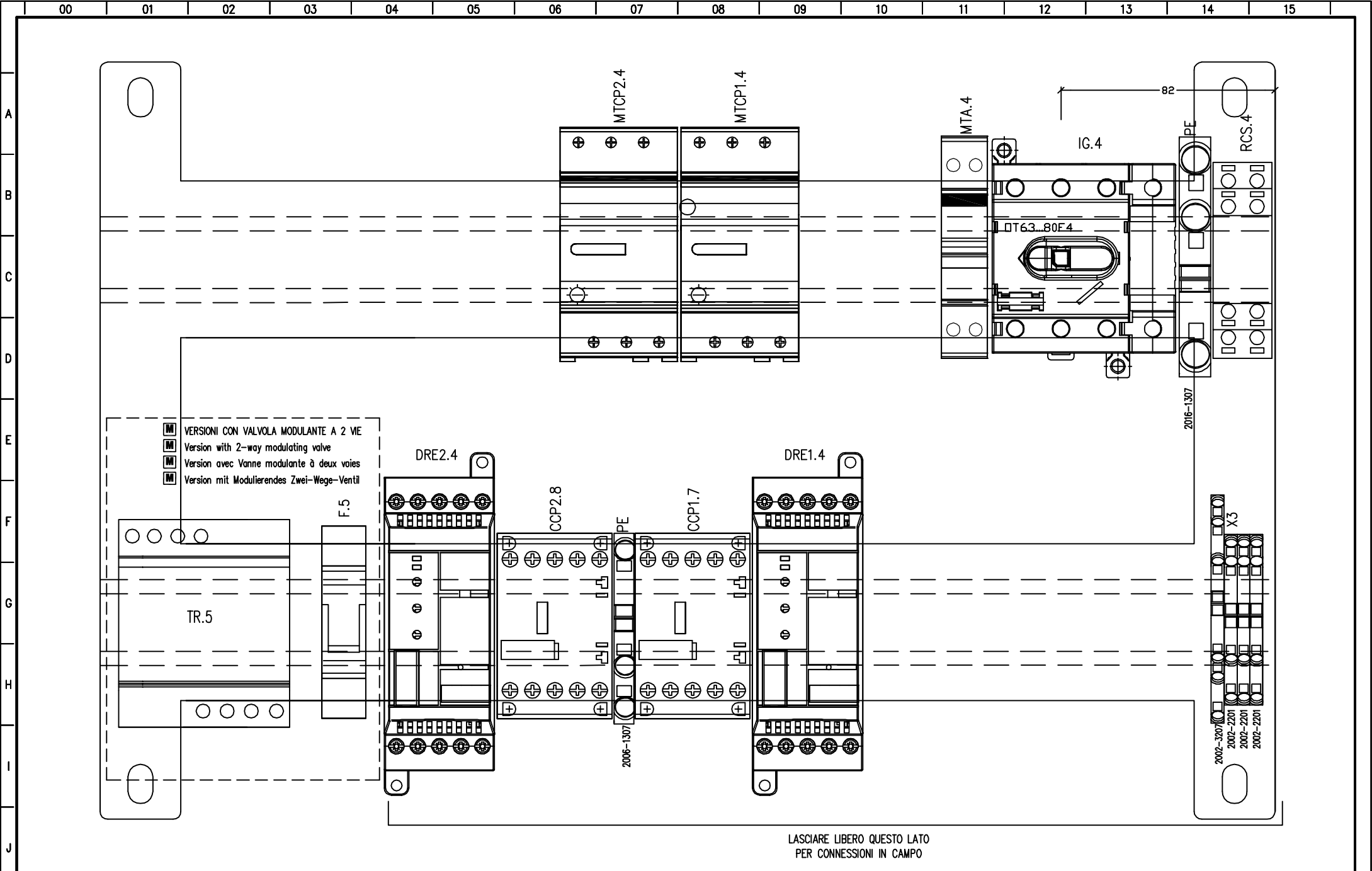
PROGETTISTA MAQUETTISTE  
TECHNICIAN DER ENTWERFER  
P.E.

NR. DIS. PROJECT  
DRAW NR. BILD  
10-425

DICHIARAZIONE N° DÉCLARATION  
DECLARATION NR. DER ANSAGEZETTEL  
XXXX

COMMESSA TRAVAIL  
PROJECT NR. PROJECT  
1100

SEQUE  
NEXT PAGE 14C  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 32 BLÄTTER GESAMT



WRL

|                     |                 |                 |               |                                                                                                |                         |                           |                              |                       |                 |                                                                                                    |                                 |                         |                    |                           |  |     |  |                                  |  |
|---------------------|-----------------|-----------------|---------------|------------------------------------------------------------------------------------------------|-------------------------|---------------------------|------------------------------|-----------------------|-----------------|----------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|--------------------|---------------------------|--|-----|--|----------------------------------|--|
| CLIENTE<br>CUSTOMER | CLIENT<br>KUNDE | QUADRO<br>BOARD |               | QUADRO EL. POMPA TRIFASE WRL - 2E00951()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00951() |                         |                           |                              | TABLEAU<br>SCHALTAFEL |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00951()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00951() |                                 |                         |                    | FOGLIO<br>PAGE            |  | 14C |  | PAGE<br>SEITE                    |  |
|                     |                 | 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.                                                                | DÉCLARATION<br>DER ANSAGEZETTEL | COMMESSA<br>PROJECT NR. | TRAVAIL<br>PROJECT | SUITE<br>NEXT PAGE        |  | 15  |  | SUITE<br>NEXT PAGE               |  |
|                     |                 | 27/09/10        |               |                                                                                                |                         | P.E.                      |                              | 10-425                |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES |  | 32  |  | TOTAL FEUILLES<br>BLÄTTER GESAMT |  |

| POMPA TRIFASE                                         |            |           | WRL140<br>WRL160 |
|-------------------------------------------------------|------------|-----------|------------------|
| Quadro elettrico                                      |            | REV       |                  |
| cod.                                                  | 2E00952    | 1         |                  |
| cod.                                                  | 2E00952A   | 1         | A                |
| cod.                                                  | 2E00952M   | 1         | M                |
| cod.                                                  | 2E00952E   | 1         | E                |
|                                                       |            |           |                  |
| rif.                                                  | 2E00789C_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"/> 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 |

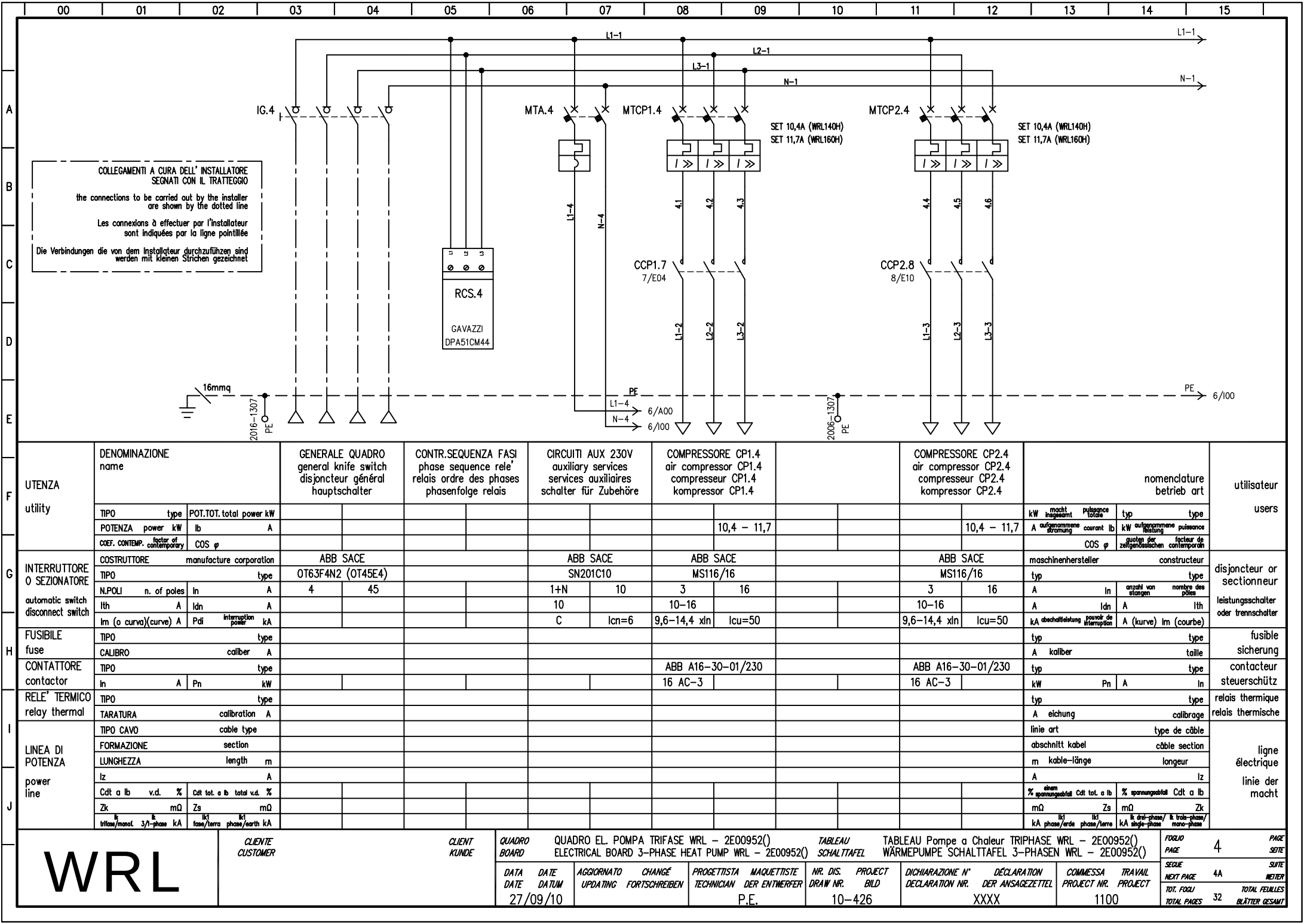
|                        |  |                     |  |                      |           |
|------------------------|--|---------------------|--|----------------------|-----------|
| WRL                    |  |                     |  |                      |           |
| COSTRUTTORE            |  | Manufacturer        |  | NORMA CEI EN 60335-1 |           |
| COD. ARTICOLO          |  | Article Code        |  | 2E009520_01 03/03/11 |           |
| ALIMENTAZIONE          |  | Power supply        |  | 3/N/PE - 50 Hz 400V  |           |
| TENSIONE NOMINALE      |  | Nominal Voltage     |  | V                    | 400 Hz 50 |
| POMPA DI CALORE WRL140 |  | Heat Pump WRL140    |  | A Max                | 21,6      |
| POMPA DI CALORE WRL160 |  | Heat Pump WRL160    |  | A Max                | 24,2      |
| GRADO DI PROTEZIONE    |  | Level of protection |  | IP                   | 2x        |
| NOTE: NR. LOTTO=       |  | Notes               |  | XXXX                 |           |

|                        |  |                     |  |                      |           |
|------------------------|--|---------------------|--|----------------------|-----------|
| WRL                    |  |                     |  |                      |           |
| Constructeur           |  | Maschinenhersteller |  | NORMA CEI EN 60335-1 |           |
| Code Article           |  | Artikelcode         |  | 2E009520_01 03/03/11 |           |
| Alimentation           |  | Stronversorgung     |  | 3/N/PE - 50 Hz 400V  |           |
| Tension Nominale       |  | Nennspannung        |  | V                    | 400 Hz 50 |
| Pompe a Chaleur WRL140 |  | Wärmepumpe WRL140   |  | A Max                | 21,6      |
| Pompe a Chaleur WRL160 |  | Wärmepumpe WRL160   |  | A Max                | 24,2      |
| 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              |
|                                                                                                                                                      |                 | 10-426                          |                              |
| CLIENTE<br>CUSTOMER                                                                                                                                  | CLIENT<br>KUNDE | DATA<br>DATE                    | DATE<br>DATUM                |
|                                                                                                                                                      |                 | 27/09/10                        |                              |
|                                                                                                                                                      |                 | AGGIORNATO<br>UPDATING          | CHANGE<br>FORTSCHREIBEN      |
| QUADRO<br>BOARD                                                                                                                                      |                 | 2E00952                         | 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                            |                              |

|       | 01                                            | 02                                          | 03                                                 | 04                               | 05 | 06 | 07 | 08       | 09                               | 10                                     | 11                                    | 12                                    | 13 | 14 | 15 |
|-------|-----------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------------------------|----|----|----|----------|----------------------------------|----------------------------------------|---------------------------------------|---------------------------------------|----|----|----|
|       | ITALIANO                                      | ENGLISH                                     | FRANCAIS                                           | DEUTSCH                          |    |    |    | ITALIANO | ENGLISH                          | FRANCAIS                               | DEUTSCH                               |                                       |    |    |    |
| O/I   | 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 extérieur                                   | 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 entfeuchter                |    |    |    | EXV      | VALVOLA ELETTRONICA              | electronic electrovalve                | commande de électrovalve électronique | startsteuerung ventilelektronic       |    |    |    |
| ALSAN | ALLARME SANITARIO                             | health alert                                | alarme la santé                                    | gesundheits alarm                |    |    |    | FLGEO    | FLUSSOSTATO GEOTERMICO           | geothermal flowswitch                  | débitmètre géothermie                 | Geothermie strömungsschalter          |    |    |    |
| ALUMP | ALLARME CALDAIA/RESISTENZA                    | boiler/heater alarm                         | alarme chaudière/resistance                        | alarm kessel/elektr. Widerstände |    |    |    | FLUMP    | FLUSSOSTATO IMPIANTO             | system flowswitch                      | débitmètre de système                 | Anlage strömungsschalter              |    |    |    |
| BL    | BLU                                           | blue                                        | bleu                                               | blau                             |    |    |    | MAP      | MORSETTIERA PRESSOSTATO DI ALTA  | pressure switch "high pressure" clamps | bornes de pressostat "gran pression"  | druckschalter "hock druck" klemmen    |    |    |    |
| CP    | CONTATTORE COMPRESSORE                        | compressor contactor                        | contacteur compresseur                             | kompessorarschuelzt              |    |    |    | MSB      | MORSETTIERA PRESSOSTATO DI BASSA | pressure switch "low pressure" clamps  | bornes de pressostat "basse pression" | druckschalter "niedrig druck" klemmen |    |    |    |
| CMP   | COMPRESSORE                                   | compressor                                  | compresseur                                        | kompessor                        |    |    |    | KSAE     | SONDA ARIA ESTERNA               | ambient air probe                      | sonde air extérieur                   | aubenluftfuehler                      |    |    |    |
| CMP   | CONTATTORE MOTOPOMPA                          | pump contactor                              | contacteur de pompe                                | steuerschütz pumpe               |    |    |    | SAC      | SONDA ASPIRAZIONE COMPRESSORE    | air compressor suction probe           | sonde d'aspiration de compresseur     | kompessor saugsonde                   |    |    |    |
| RCRE  | RELE' CALDAIA/RESISTENZA IMPIANTO             | relay boiler / heating system               | relais chaudière/système de chauffage              | relais kessel/heizung            |    |    |    | SIIM     | SONDA INGRESSO IMPIANTO          | input system probe                     | sonde de entrées installation         | sensor zwei anlage                    |    |    |    |
| RCRES | RELE' CALDAIA/RESISTENZA SANITARIO            | relay boiler / heating health               | relais chaudière de chauffage de santé             | relais kessel/heizung            |    |    |    | SGP      | SONDA GAS PRELENTE               | discharge pipe sensor                  | sonde sur refoulement                 | fuehler-druckleitung                  |    |    |    |
| DCP   | DIPPOSITIVO BASSE TEMPERATURE DEUMIDIFICATORE | low ambient temperature device dehumidifier | dispositif pour basse temperature déhumidificateur | winterregelung entfeuchters      |    |    |    | SIGEO    | SONDA INGRESSO GEOTERMICO        | input geothermal probe                 | sonde entree géothermique             | geothermie sensor                     |    |    |    |
| DRE   | AVVIATORE                                     | softstarter                                 | démarrreur                                         | anlasser                         |    |    |    | SIW      | SONDA INGRESSO ACQUA (NTC)       | water inlet probe (NTC)                | sonde entree eau (NTC)                | fuehler-wassereintritt (NTC)          |    |    |    |
| F     | FUSIBILE                                      | fuse                                        | fusible                                            | sicherung                        |    |    |    | SIWH     | SONDA INGRESSO ACQUA (NTC)       | water inlet probe (NTC)                | sonde entree eau (NTC)                | fuehler-wassereintritt (NTC)          |    |    |    |
| FRC   | FILTRO ANTIDISTURBO                           | Interference suppressor                     | antiparasitage                                     | Funkentstörung                   |    |    |    | SRIM     | SONDA RITORNO IMPIANTO           | output system probe                    | sonde de sorties installation         | Ausgang Wärmetauscher sensor          |    |    |    |
| IG    | INTERRUTTORE GENERALE                         | Main switch                                 | Interrupteur général                               | Hauptschalter                    |    |    |    | SSAN     | SONDA SANITARIO                  | probe health                           | sonde de santé                        | probe gesundheit                      |    |    |    |
| L     | FASE DI ALIMENTAZIONE                         | phase of power supply                       | phase de alimentation                              | phasen vom Stromversorgung       |    |    |    | SUGEO    | SONDA USCITA GEOTERMICO          | output geothermal probe                | sonde sortie géothermique             | ausgang erdwärmesonde                 |    |    |    |
| M     | MORSETTIERA                                   | clamps                                      | bornes                                             | klemmen                          |    |    |    | SUIM     | SONDA USCITA IMPIANTO            | output system probe                    | sonde sortie installation             | sensor ausgang anlage                 |    |    |    |
| MA    | MARRONE                                       | brown                                       | marron                                             | braun                            |    |    |    | SUR      | SONDA USCITA RECUPERATORE        | recovery outlet probe                  | sonde sortie recuperation             | regenerator fuehler-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)                | fuehler-wasseraustritt (NTC)          |    |    |    |
| MP01  | MOTOPOMPA GEOTERMICO                          | geothermal pump                             | pompe géothermie                                   | Geothermie pumpe                 |    |    |    | SUWH     | SONDA USCITA ACQUA (NTC)         | water outlet probe (NTC)               | sonde sortie eau (NTC)                | fuehler-wasseraustritt (NTC)          |    |    |    |
| MP02  | MOTOPOMPA PRIMARIO                            | primary pump                                | pompe primaire                                     | Primär pumpe                     |    |    |    | SSM      | SONDA VALVOLA MISCELATRICE       | mixing valve probe                     | sonde robinet mélange                 | mischerventil probe                   |    |    |    |
| MP03  | 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                  | magneto-thermique compresseur                      | motorschutzschalter 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                                             |                                  |    |    |    |          |                                  |                                        |                                       |                                       |    |    |    |



|                                                                            |                                                               |  |                                                             |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    |             |  |                     |                                                                                    |                                                                             |                                                                  |                                                                                                    |                                                                  |                                                                     |  |                                               |                                                                              |
|----------------------------------------------------------------------------|---------------------------------------------------------------|--|-------------------------------------------------------------|---------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------|-------------|--|---------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|--|-----------------------------------------------|------------------------------------------------------------------------------|
| UTENZA<br><br>utility                                                      | DENOMINAZIONE<br>name                                         |  |                                                             | GENERALE QUADRO<br>general knife switch<br>disjoncteur général<br>hauptschalter |      | CONTR.SEQUENZA FASI<br>phase sequence relé<br>relais ordre des phases<br>phasenfolge relais |          | CIRCUITI AUX 230V<br>auxiliary services<br>services auxiliaires<br>schalter für Zubehöre |                     | COMPRESSORE CP1.4<br>air compressor CP1.4<br>compresseur CP1.4<br>kompressor CP1.4 |             |  |                     | COMPRESSORE CP2.4<br>air compressor CP2.4<br>compresseur CP2.4<br>kompressor CP2.4 |                                                                             | nomenclature<br>betrieb art                                      |                                                                                                    | utilisateur<br><br>users                                         |                                                                     |  |                                               |                                                                              |
|                                                                            | TIPO type                                                     |  | POT.TOT. total power kW                                     |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    |             |  |                     |                                                                                    | kW <small>macht insgesamt</small> <small>puissance totale</small>           |                                                                  | typ type                                                                                           |                                                                  |                                                                     |  |                                               |                                                                              |
|                                                                            | POTENZA power kW                                              |  | lb A                                                        |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    | 10,4 – 11,7 |  |                     |                                                                                    | 10,4 – 11,7                                                                 | A <small>aufgenommene stromung</small> <small>current lb</small> |                                                                                                    | kW <small>aufgenommene leistung</small> <small>puissance</small> |                                                                     |  |                                               |                                                                              |
|                                                                            | COEF. CONTEMP. <small>factor of contemporary</small>          |  | COS φ                                                       |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    |             |  |                     |                                                                                    |                                                                             |                                                                  | COS φ <small>coefficient de simultanéité</small>                                                   |                                                                  | facteur de simultanéité                                             |  |                                               |                                                                              |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE manufacture corporation                           |  |                                                             | ABB SACE                                                                        |      |                                                                                             | ABB SACE |                                                                                          |                     | ABB SACE                                                                           |             |  | ABB SACE            |                                                                                    |                                                                             | ABB SACE                                                         |                                                                                                    |                                                                  | maschinenhersteller constructeur                                    |  |                                               | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |
|                                                                            | TIPO type                                                     |  |                                                             | OT63F4N2 (OT45E4)                                                               |      |                                                                                             | SN201C10 |                                                                                          |                     | MS116/16                                                                           |             |  | MS116/16            |                                                                                    |                                                                             | MS116/16                                                         |                                                                                                    |                                                                  | typ type                                                            |  |                                               |                                                                              |
|                                                                            | N.POLI n. of poles                                            |  | In A                                                        |                                                                                 | 4 45 |                                                                                             |          |                                                                                          | 1+N 10              |                                                                                    | 3 16        |  |                     |                                                                                    | 3 16                                                                        |                                                                  | A In                                                                                               |                                                                  | A <small>anzahl von stromen</small> <small>nombre des pôles</small> |  |                                               |                                                                              |
|                                                                            | lth A                                                         |  | Idn A                                                       |                                                                                 |      |                                                                                             |          |                                                                                          | 10                  |                                                                                    | 10–16       |  |                     |                                                                                    | 10–16                                                                       |                                                                  | A Idn A                                                                                            |                                                                  | A <small>lth</small>                                                |  |                                               |                                                                              |
| FUSIBILE<br>fuse                                                           | Im (o curva)(curve) A                                         |  | Pdi <small>interruption power</small> kA                    |                                                                                 |      |                                                                                             | C lcn=6  |                                                                                          | 9,6–14,4 xln lcu=50 |                                                                                    |             |  | 9,6–14,4 xln lcu=50 |                                                                                    | kA <small>abschaltleistung</small> <small>pourvoir de interruption</small>  |                                                                  | A (kurve) Im (courbe)                                                                              |                                                                  |                                                                     |  |                                               |                                                                              |
|                                                                            | TIPO type                                                     |  |                                                             |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    |             |  |                     |                                                                                    |                                                                             | typ type                                                         |                                                                                                    |                                                                  | fusible                                                             |  |                                               |                                                                              |
| CONTATTORE<br>contactor                                                    | CALIBRO caliber A                                             |  |                                                             |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    |             |  |                     |                                                                                    |                                                                             | A kaliber                                                        |                                                                                                    |                                                                  | taille                                                              |  | contactor<br>steuerschütz                     |                                                                              |
|                                                                            | TIPO type                                                     |  |                                                             |                                                                                 |      |                                                                                             |          |                                                                                          |                     | ABB A16–30–01/230                                                                  |             |  | ABB A16–30–01/230   |                                                                                    |                                                                             | typ type                                                         |                                                                                                    |                                                                  |                                                                     |  |                                               |                                                                              |
| RELE’ TERMICO<br>relay thermal                                             | In A                                                          |  | Pn kW                                                       |                                                                                 |      |                                                                                             |          |                                                                                          | 16 AC–3             |                                                                                    |             |  | 16 AC–3             |                                                                                    | kW Pn A                                                                     |                                                                  | In                                                                                                 |                                                                  |                                                                     |  |                                               |                                                                              |
|                                                                            | TIPO type                                                     |  |                                                             |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    |             |  |                     |                                                                                    |                                                                             | typ type                                                         |                                                                                                    |                                                                  | relais thermique                                                    |  |                                               |                                                                              |
| 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. %                                  |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    |             |  |                     |                                                                                    |                                                                             |                                                                  | einem <small>% spannungseinstell</small> Cdt tot. a lb <small>% spannungseinstell</small> Cdt a lb |                                                                  |                                                                     |  |                                               |                                                                              |
|                                                                            | Zk mΩ                                                         |  | Zs mΩ                                                       |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    |             |  |                     |                                                                                    |                                                                             |                                                                  | mΩ Zs mΩ                                                                                           |                                                                  | Zk                                                                  |  |                                               |                                                                              |
|                                                                            | lk <small>trifase/trifase</small> <small>3/1-phase</small> kA |  | lk1 <small>fase/terre</small> <small>phase/earth</small> kA |                                                                                 |      |                                                                                             |          |                                                                                          |                     |                                                                                    |             |  |                     |                                                                                    | kA <small>phase/terre</small> <small>lk1</small> <small>phase/terre</small> |                                                                  | kA <small>single-phase</small> <small>lk</small> <small>trifase/trifase</small>                    |                                                                  |                                                                     |  |                                               |                                                                              |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00952()

ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00952()

TABLEAU  
SCHALTAFEL

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00952()

WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00952()

FOLIO  
PAGE

4

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.

DECLARATION  
DER ANSAGEZETTEL

COMMESSA  
PROJECT NR.

TRAVAIL  
PROJECT

SEQUE  
NEXT PAGE

4A

SUITE  
METER

TOT. FOLII  
TOTAL PAGES

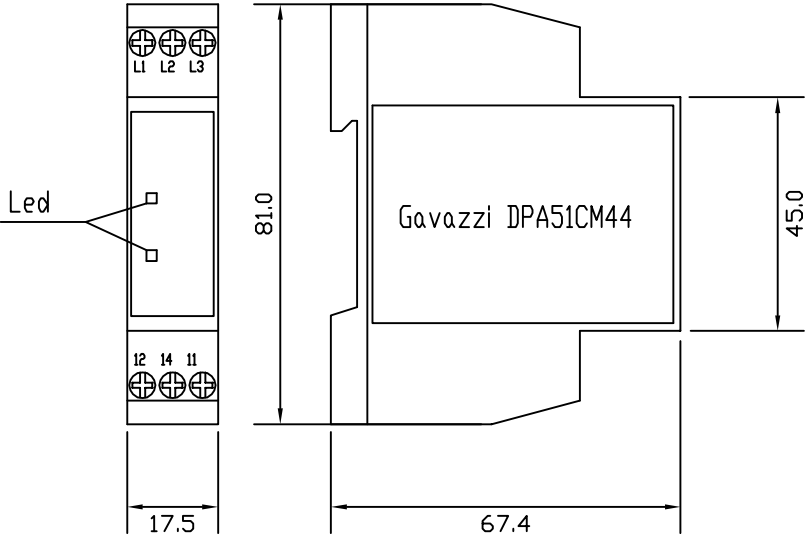
32

TOTAL FEUILLES  
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   | QUADRO EL. POMPA TRIFASE WRL - 2E00952()           |            |               |             | TABLEAU       | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00952() |         |                  |                  | FOGLIO      | 4A      | PAGE        |       |                |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00952() |            |               |             | SCHALTAFEL    | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00952()   |         |                  |                  | 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   | 4B    | NEXTER         |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-426                                           |         | XXXX             |                  | 1100        |         | TOT. FOGLI  | 32    | TOTAL FEUILLES |
|     |                     |                 |          |                                                    |            |               |             |               |                                                  |         |                  |                  |             |         | TOTAL PAGES |       | BLÄTTER GESAMT |

IN ALTERNATIVA  
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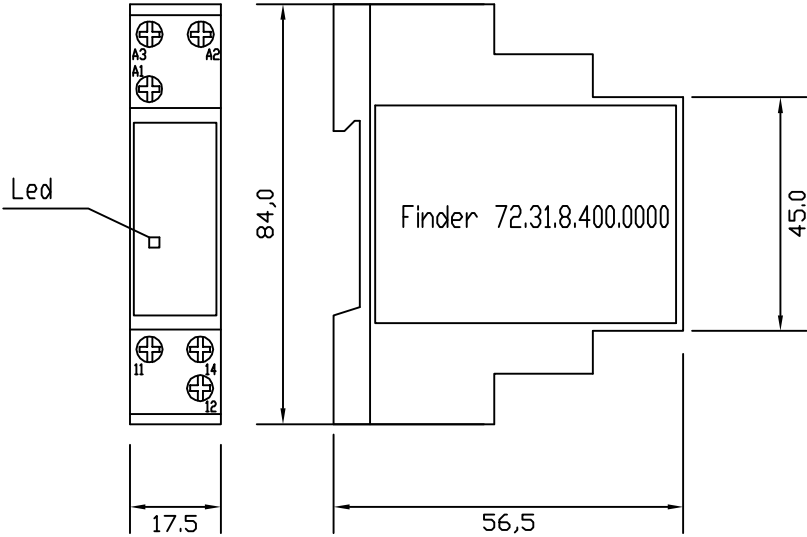
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L3 = L3  
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relais ordre des phases  
phasenfolge relais

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 - 2E00952()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00952()

TABEAU  
SCHALTAFEL

TABEAU Pompe a Chaleur TRIPHASE WRL - 2E00952()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00952()

FOLIO  
PAGE

4B

PAGE  
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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  
10-426

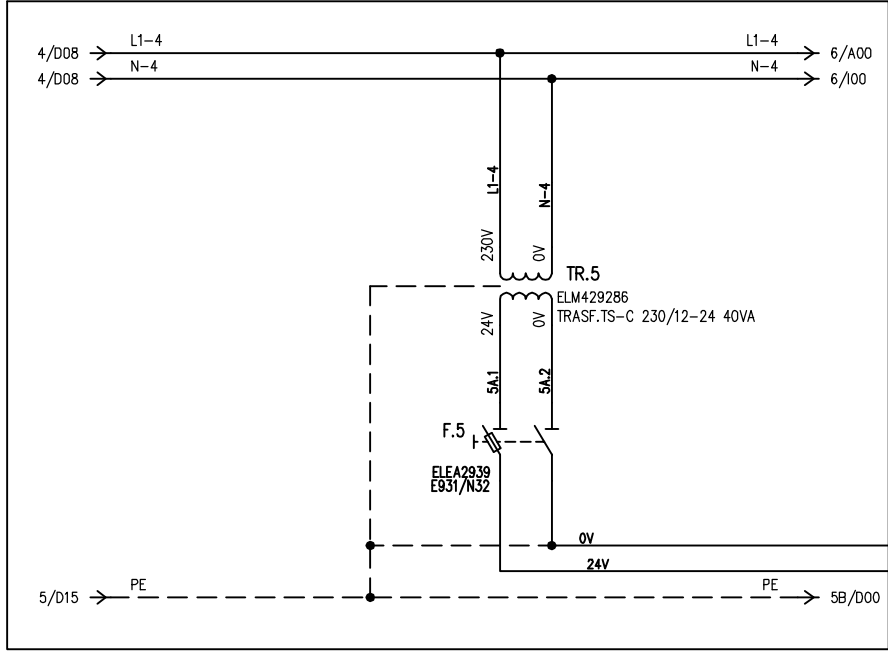
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DECLARATION NR. DER ANSAGEZETTEL  
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COMMESSA TRAVAIL  
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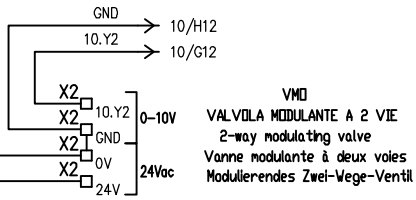
SEQUE' SUITE  
NEXT PAGE 5  
TOT. FOGLI TOTAL FEUILLES  
TOTAL PAGES 32 BLÄTTER GESAMT

|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         |             |    |                |
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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 - 2E00952()           |            |               |             |               | TABLEAU    | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00952() |                  |                  |             |         | FOGLIO      | 5  | PAGE           |
|     |                     |                 | BOARD    | ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00952() |            |               |             |               | SCHALTAFEL | WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00952()   |                  |                  |             |         |             |    | 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   | 5A | METIER         |
|     |                     |                 | 27/09/10 |                                                    |            |               | P.E.        |               | 10-426     |                                                  | XXXX             |                  | 1100        |         | TOT. FOGLI  | 32 | TOTAL FEUILLES |
|     |                     |                 |          |                                                    |            |               |             |               |            |                                                  |                  |                  |             |         | TOTAL PAGES |    | BLÄTTER GESAMT |

A  
B  
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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 insgesamt                    | pulsance totale            | typ                        | type                                                                         | users                                     |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
|                                                                            | POTENZA               | power kW    | lb                        | A                                                                                       |                       |                                                                                    |    |    |               |           |    |    |            | A                           | aufgenommene<br>stromung           | lb                         | kW                         | aufgenommene<br>leistung                                                     |                                           |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
|                                                                            | COEF. CONTEMP.        |             | factor of<br>contemporary | COS φ                                                                                   |                       |                                                                                    |    |    |               |           |    |    |            | COS φ                       | qualität der<br>zeitgleichzeitigen | contemporary               | facteur de<br>contemporain |                                                                              |                                           |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
| INTERRUTTORE<br>O SEZIONATORE<br><br>automatic switch<br>disconnect switch | COSTRUTTORE           |             |                           | ABB SACE                                                                                |                       |                                                                                    |    |    |               |           |    |    |            | maschinenhersteller         |                                    | constructeur               |                            | disjoncteur or<br>sectionneur<br><br>leistungsschalter<br>oder trennschalter |                                           |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
|                                                                            | TIPO                  |             |                           | 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                   | pouvoir de<br>interruption | A (kurve)                  | Im (courbe)                                                                  | fusible<br><br>sicherung                  |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
|                                                                            | TIPO                  |             | type                      |                                                                                         | 10x38                 |                                                                                    |    |    |               |           |    |    | typ        |                             | type                               |                            |                            |                                                                              |                                           |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
| CONTATTORE<br>contactor                                                    | CALIBRO               |             |                           | A                                                                                       |                       | 2A gL                                                                              |    |    |               |           |    |    |            | A                           |                                    | kaliber                    |                            | taille                                                                       |                                           | contacteur<br><br>steuerschütz                |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
|                                                                            | TIPO                  |             |                           | type                                                                                    |                       |                                                                                    |    |    |               |           |    |    |            | typ                         |                                    | type                       |                            |                                                                              |                                           |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
| RELE' TERMICO<br>relay thermal                                             | In                    |             | A                         | Pn                                                                                      | kW                    |                                                                                    |    |    |               |           |    |    |            | kW                          | Pn                                 | A                          | In                         |                                                                              | relais thermique<br><br>relais thermische |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
|                                                                            | 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 a lb                   |                                                                              |                                           |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
|                                                                            | Zk                    |             | mΩ                        | Zs                                                                                      | mΩ                    |                                                                                    |    |    |               |           |    |    |            |                             | mΩ                                 | Zs                         | mΩ                         | Zk                                                                           |                                           |                                               |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |               |           |    |    |            |             |    |    |
| trifase/mono.                                                              |                       | 3/1-phase   | kA                        | kl                                                                                      | fase/terre            | phase/terre                                                                        | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre                 | kA                                 | kl                         | trifase/mono.              | 3/1-phase                                                                    | kA                                        | kl                                            | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl | trifase/mono. | 3/1-phase | kA | kl | fase/terre | phase/terre | kA | kl |

WRL

CLIENTE  
CUSTOMER

CLIENT  
KUNDE

QUADRO  
BOARD

QUADRO EL. POMPA TRIFASE WRL - 2E00952()  
ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00952()

TAFEL  
SCHALT

TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00952()  
WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00952()

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

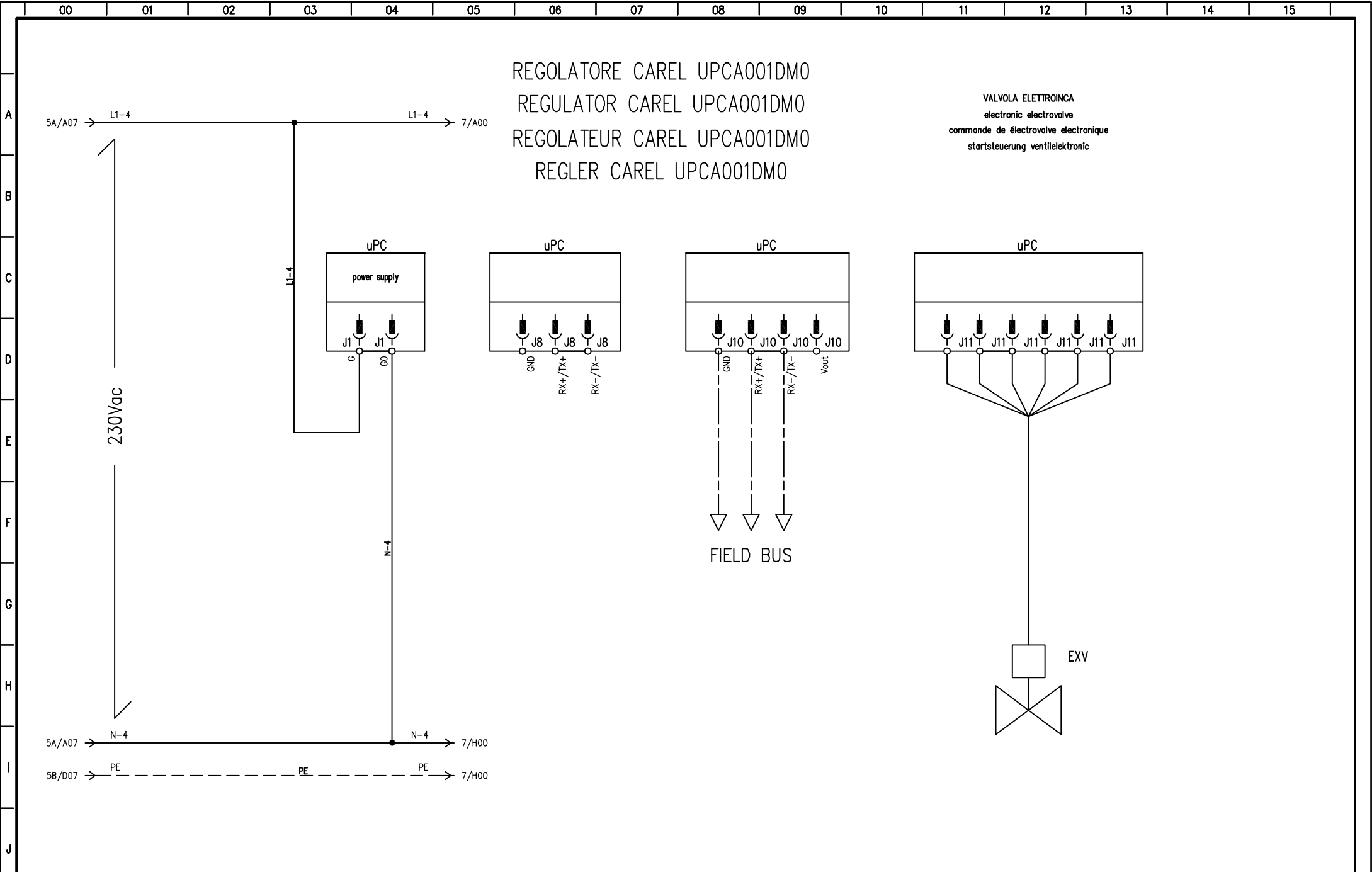
5B

TOT. FOLI  
TOTAL PAGES

32

TOTAL FEUILLES  
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 - 2E00952()<br>ELECTRICAL BOARD 3-PHASE HEAT PUMP WRL - 2E00952() |               |                        |                         | TABLEAU<br>SCHALTAFEL     |                              |                      |                 | TABLEAU Pompe a Chaleur TRIPHASE WRL - 2E00952()<br>WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00952() |                                 |                         |                    | 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>METER                   |               |
|     |                     |                 | 27/09/10                                                                                       |               |                        |                         | P.E.                      |                              | 10-426               |                 | XXXX                                                                                               |                                 | 1100                    |                    | TOT. FOGLI<br>TOTAL PAGES | 32 | TOTAL FEUILLES<br>BLÄTTER GESAMT |               |

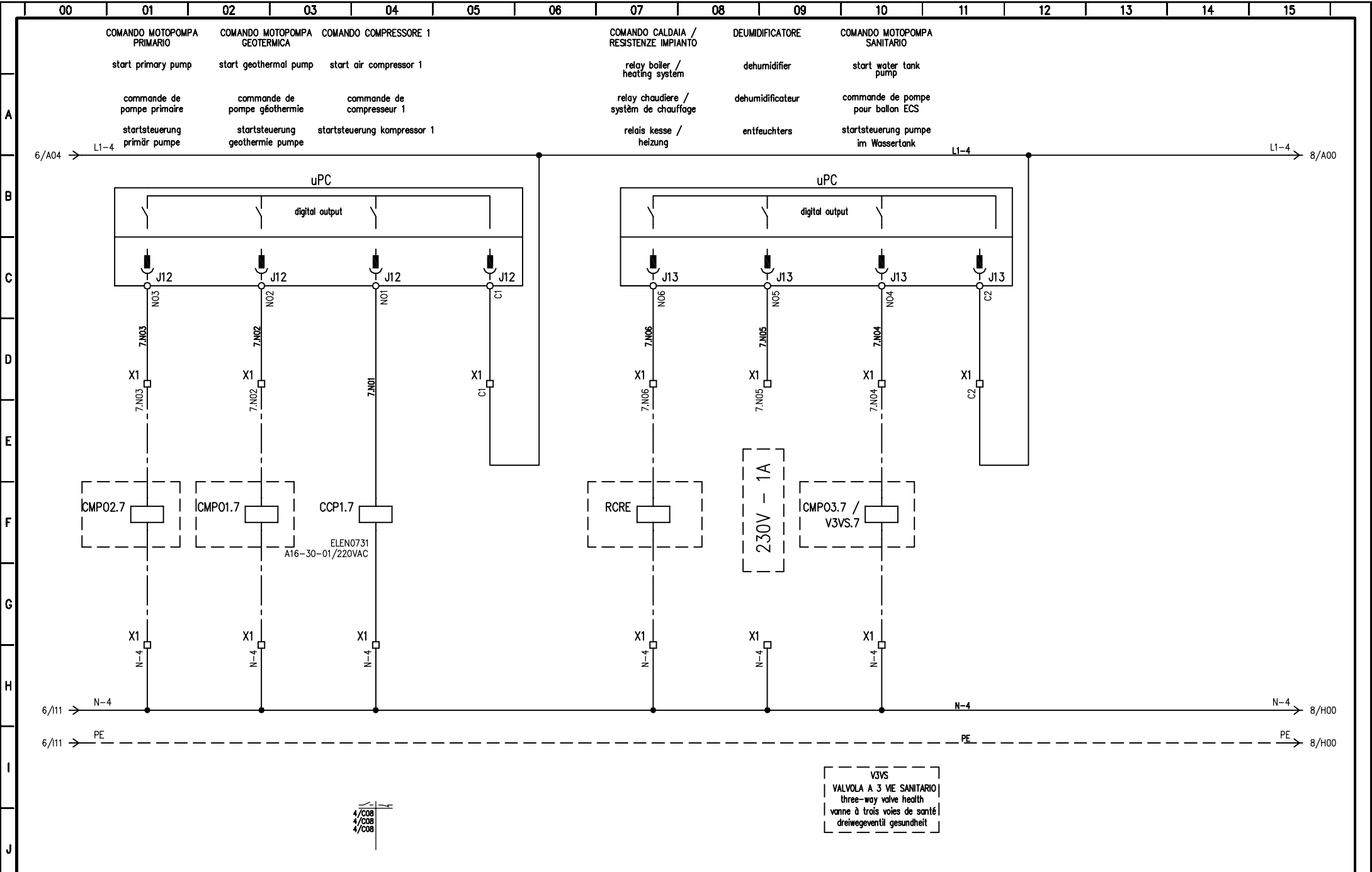


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REGULATOR CAREL UPCA001DM0  
REGULATEUR CAREL UPCA001DM0  
REGLER CAREL UPCA001DM0

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| 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 |  | DICHIAZIONE N°<br>DECLARATION NR. |  | DÉCLARATION<br>DER ANSAGEZETTEL |  | COMMESSA<br>PROJECT NR. |  | TRAVAIL<br>PROJECT |  | SEGUE<br>NEXT PAGE        |  | 7  |  | SUITE<br>METER                   |  |
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WÄRMEPUMPE SCHALTAFEL 3-PHASEN WRL - 2E00952()

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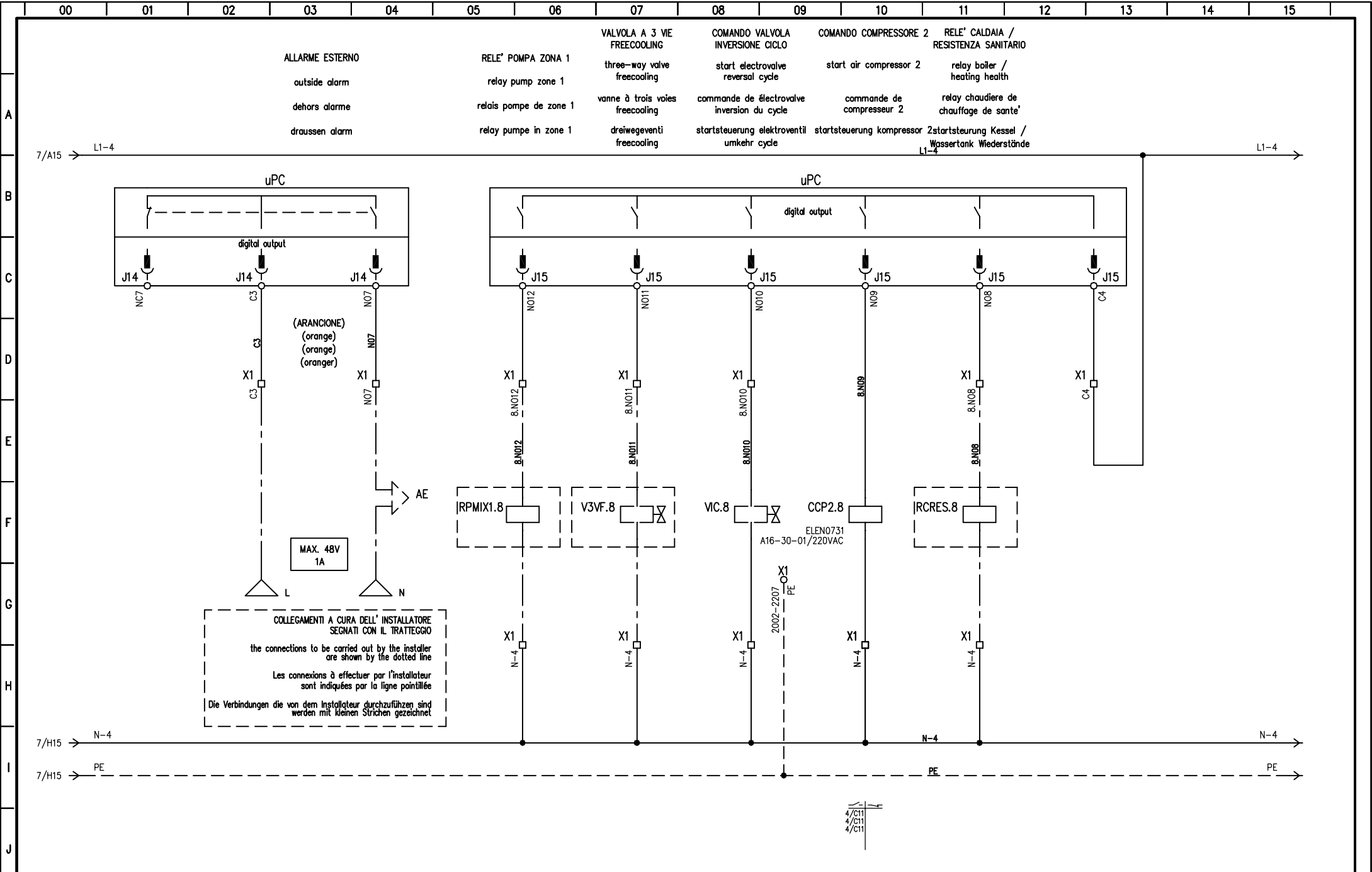
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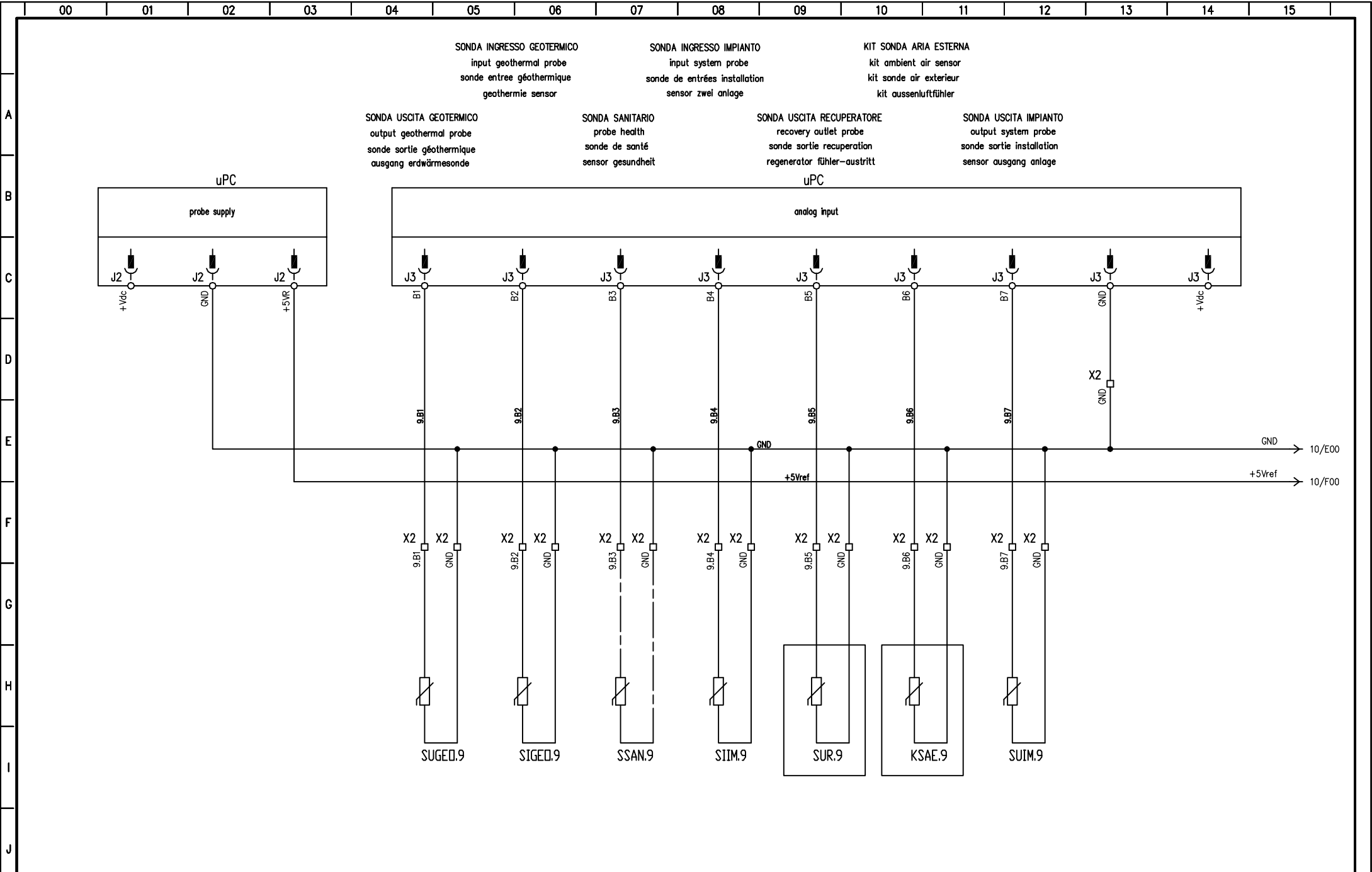
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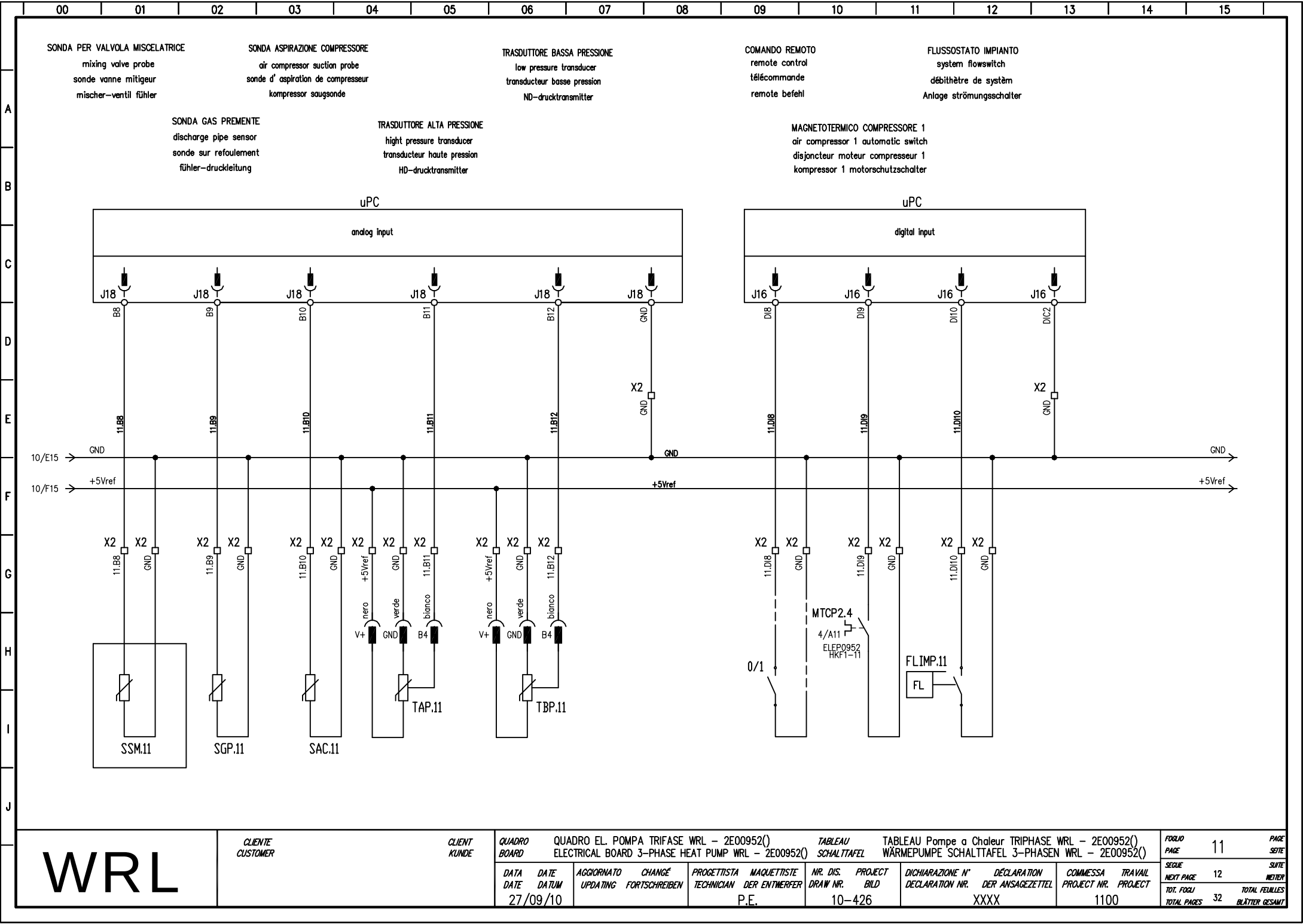
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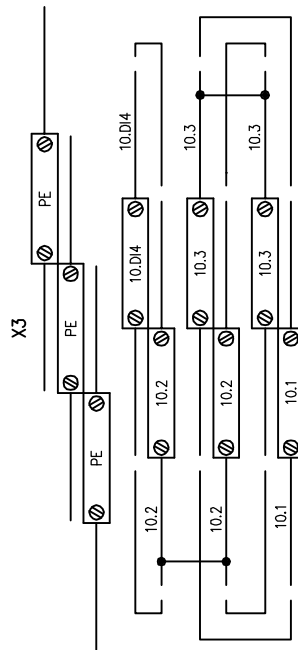
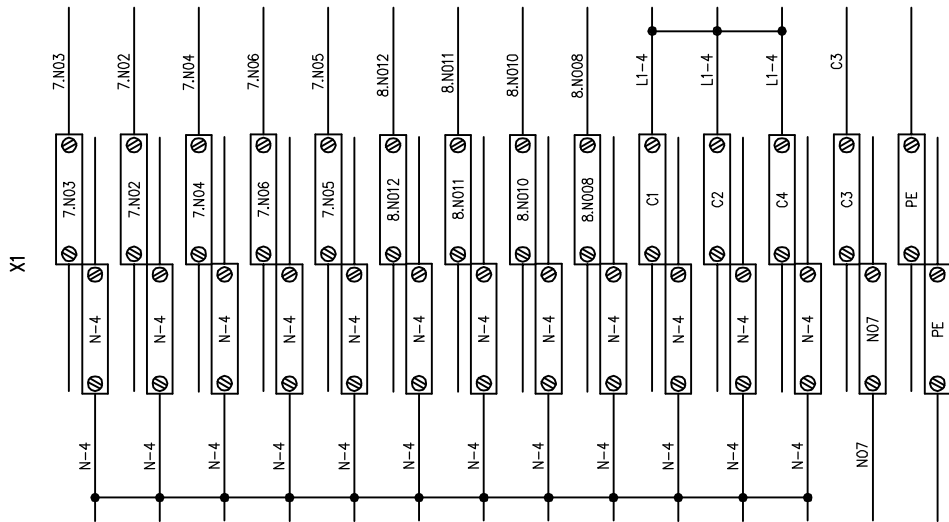




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MORSETTI DOPPI 2,5mmq MOLLA WAGO 2002-2201

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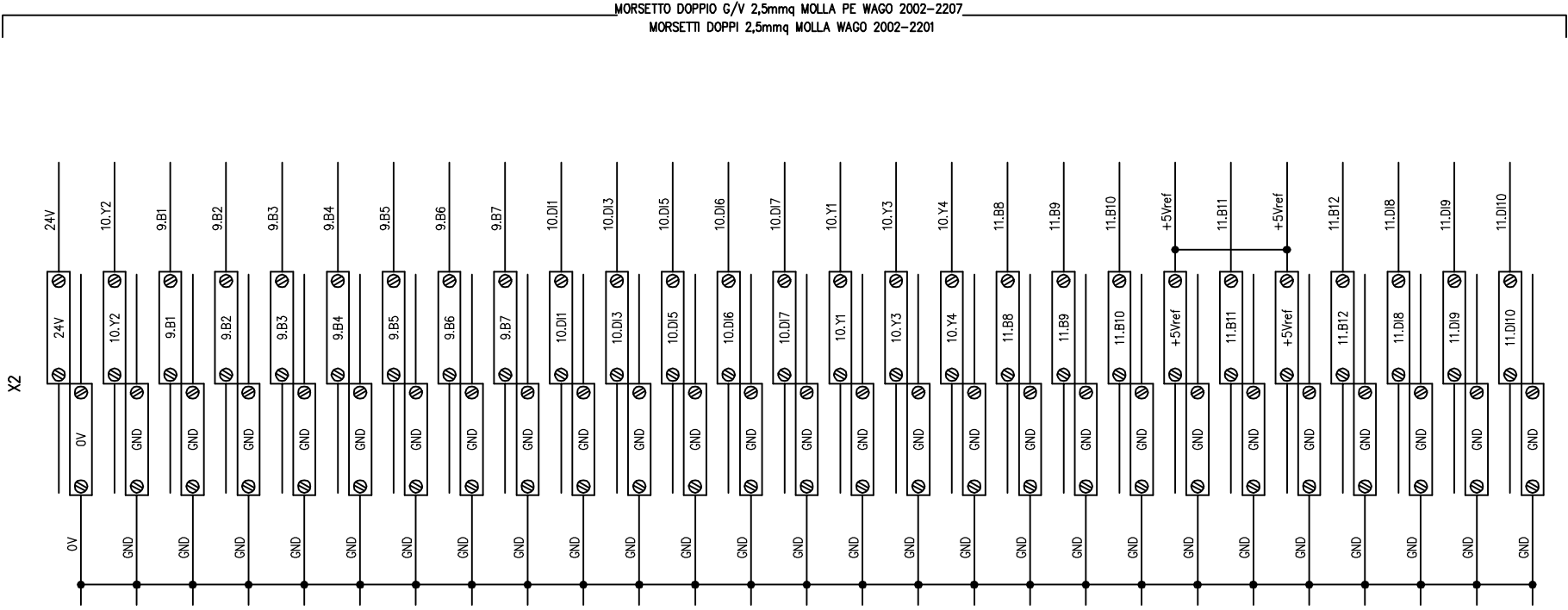
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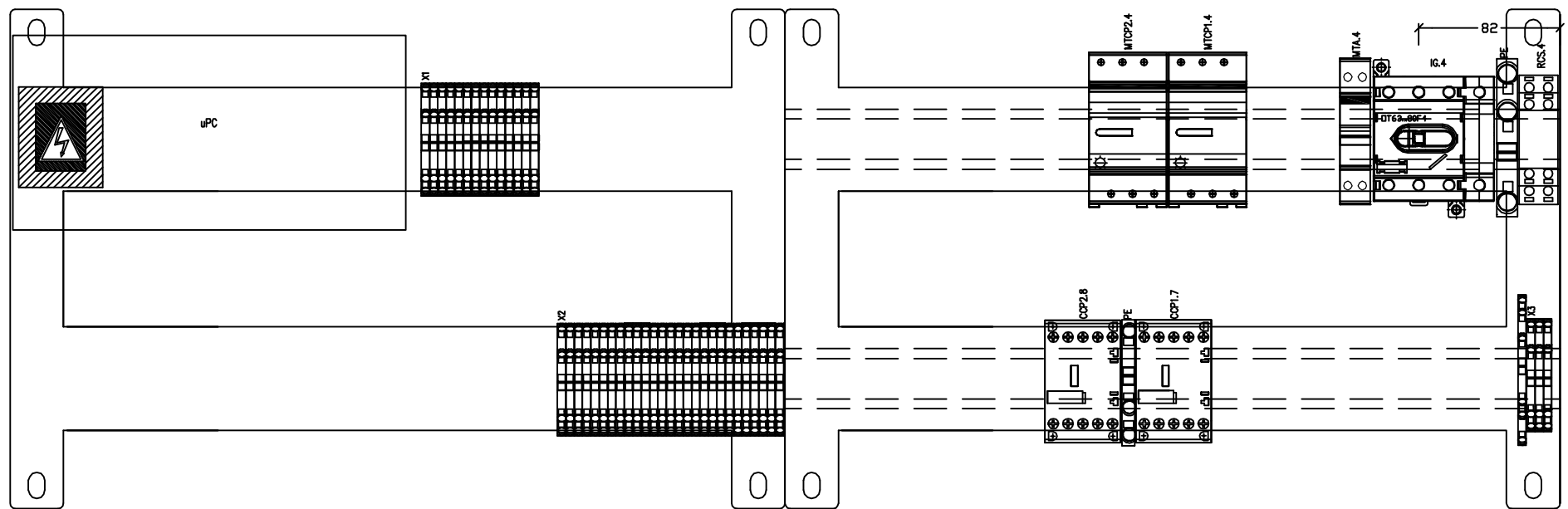
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| Marca: -<br>Colore: -<br>Grado di protezione: IP2X<br>Segregazione: 1<br>In: /<br>Icw: /<br>Ue: / | Mark: -<br>Color: -<br>Level of protection: IP2X<br>Segregation: 1<br>In: /<br>Icw: /<br>Ue: / | Marque: -<br>Couleur: -<br>Degrè de protection: IP2X<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                                                                              |
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| NOTE                                                                                              | NOTES                                                                                          | NOTE                                                                                               | BEMERKUNGEN                                                                              |

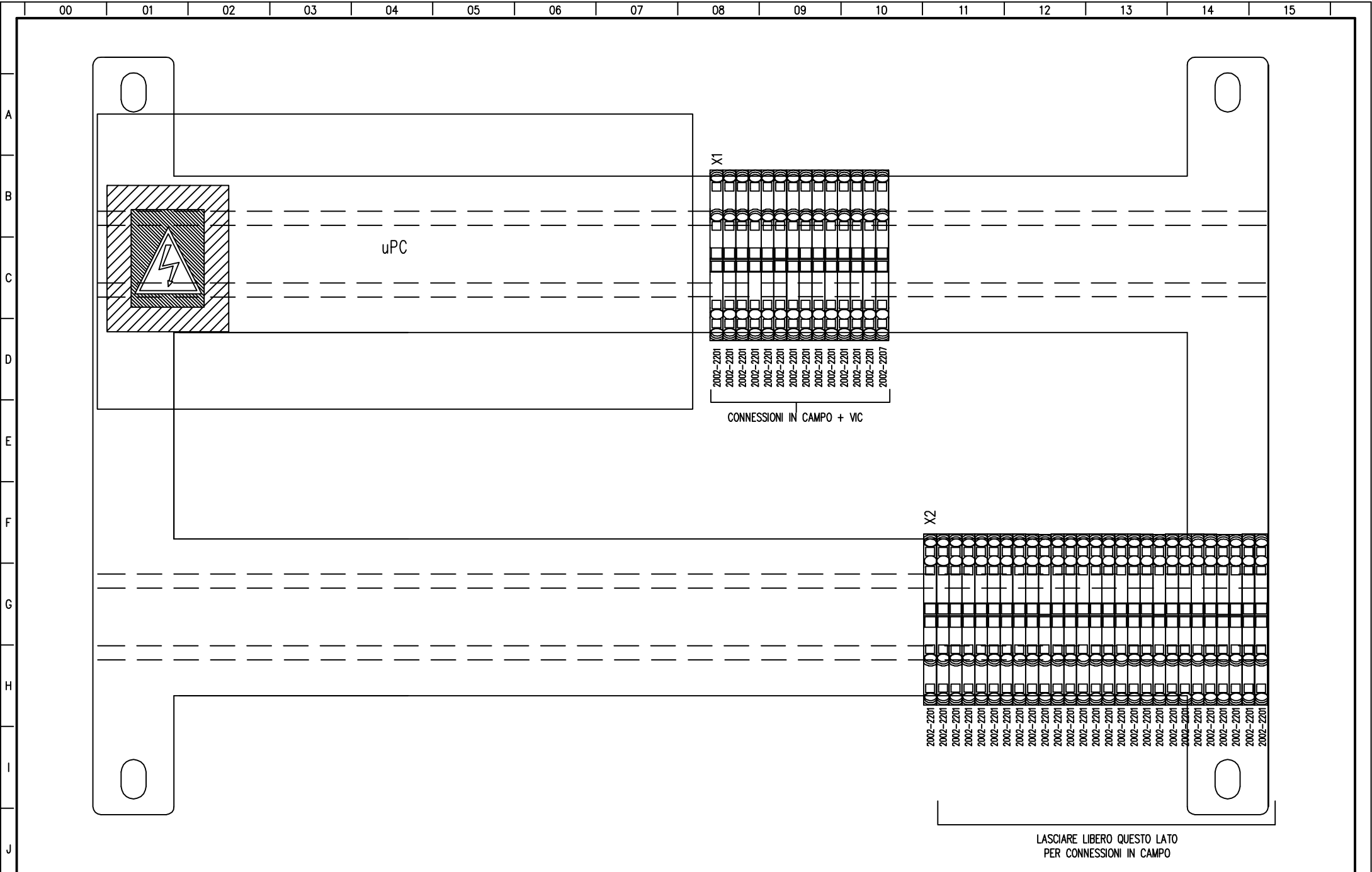
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fore sight internal  
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- ☐ QUADRO DI SERIE
- ☐ Standard Board
- ☐ Tableau standard
- ☐ serienmäßig schalttafel

WRL





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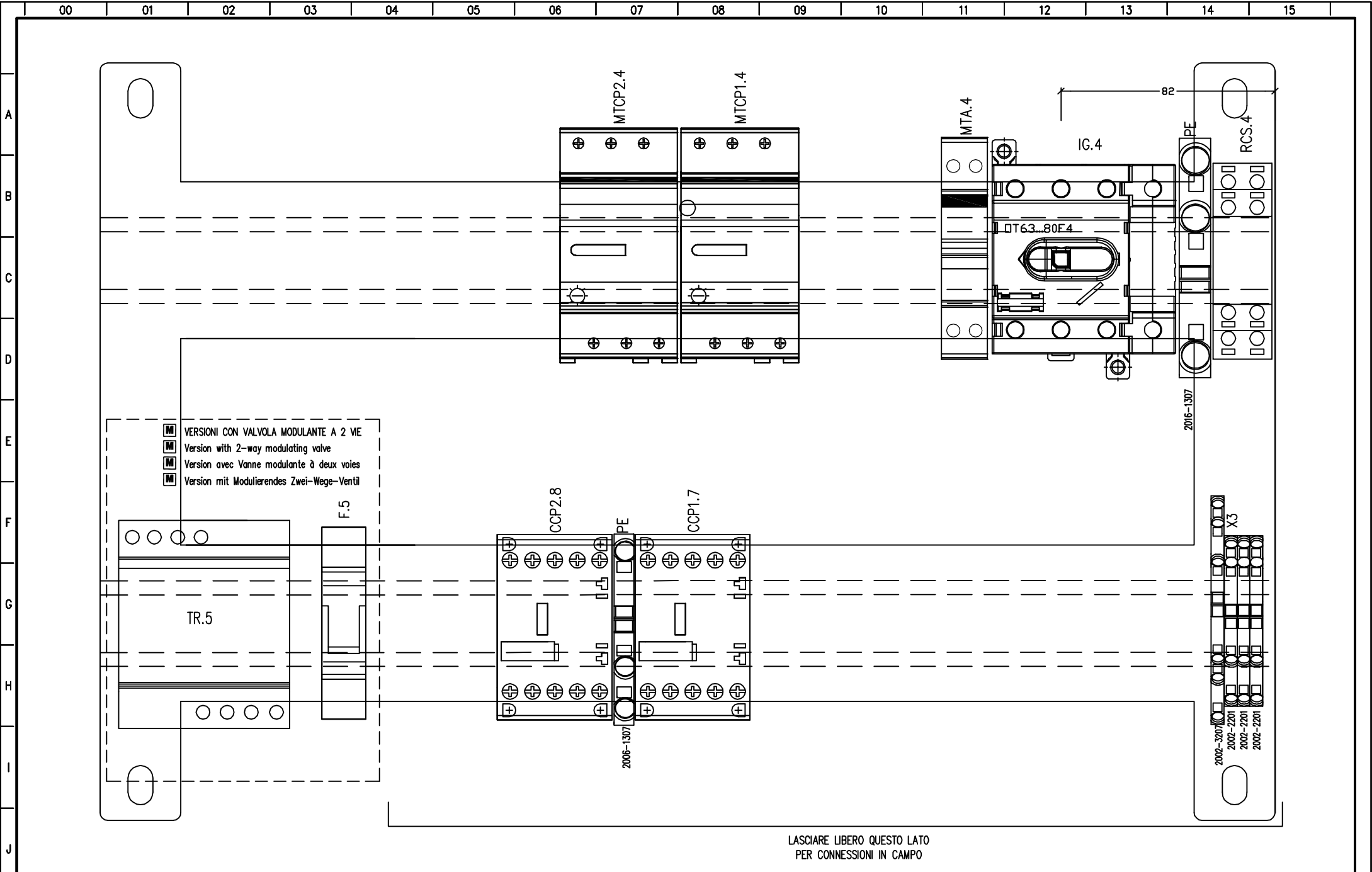
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