



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

MODEL : SK3419.100/109-SK3420.200/209-SK3434.300/309/360  
SK3434.400/409/440/460-SK3434.450/459/470/480

DRAWING NUMBER : EP25046 -

POWER SUPPLY : 380-415V 3 50Hz  
440-480V 3 60Hz

AUXILIARY SUPPLY : 12/24/48VDC

CUSTOMER :

REFERENCE :

CONTROL PANEL PART NR :

CREATED THE : 05/06/2025 BY TG1

CHANGED ON THE : BY

NUMBER OF PAGES 21



CHANGE TRANSFORMER WIRING ACCORDING POWER SUPPLY VOLTAGE





PAGE OVERVIEW

2LP8\_PAGKEL\_22

| DOCUMENT TYPE | FUNCTION DEFINITION | LOCATION DESIGNATION | PAGE | PAGE DESCRIPTION                         | DATE REVISION | EDITED BY |
|---------------|---------------------|----------------------|------|------------------------------------------|---------------|-----------|
| &EAA          |                     |                      | 1    | COVER                                    | 18/11/2025    | FA1       |
| &EAB          |                     |                      | 1    | PAGE OVERVIEW                            | 29/05/2026    | FA1       |
| &EFS          | =PWC                | +EC01                | 1    | POWER SUPPLY + IN/OUT SIGNALS            | 29/05/2026    | FA1       |
| &EFS          | =PWC                | +EC01                | 2    | PUMP WIRING / HEATER WIRING              | 29/05/2026    | FA1       |
| &EFS          | =PWC                | +EC01                | 3    | INVERTER WIRING                          | 29/05/2026    | FA1       |
| &EFS          | =PWC                | +EC01                | 4    | INVERTER WIRING                          | 28/05/2026    | FA1       |
| &EFS          | =PWC                | +EC01                | 5    | I/O BOARD WIRING                         | 29/05/2026    | FA1       |
| &EFS          | =PWC                | +EC01                | 6    | I/O BOARD WIRING                         | 29/05/2026    | FA1       |
| &EFS          | =PWC                | +EC01                | 7    | HEATER CONTROL WIRING - CON ALIMENTATORE | 20/02/2026    | FA1       |
| &EFS          | =PWC                | +EC01                | 8    | PUMPS AND FERRITES DATA                  | 21/04/2026    | FA1       |
| &EMA          |                     |                      | 1    | PLUGS SUMMARY                            | 29/05/2026    | FA1       |
| &EMA          |                     |                      | 2    | PLUGS SUMMARY                            | 23/03/2026    | FA1       |
| &EMA          |                     |                      | 3    | TERMINAL DIAGRAM +EC01-X3                | 29/05/2026    | FA1       |
| &EMB          |                     |                      | 1    | CABLE OVERVIEW                           | 29/05/2026    | FA1       |
| &EPC          |                     |                      | 1    | BILL OF PLUGS                            | 18/11/2025    | FA1       |
| &EPC          |                     |                      | 2    | BILL OF PLUGS                            | 02/02/2026    | FA1       |
| &EPC          |                     |                      | 3    | BILL OF PLUGS                            | 29/05/2026    | FA1       |
| &EPC          |                     |                      | 4    | BILL OF PLUGS                            | 29/05/2026    | FA1       |
| &EPC          |                     |                      | 5    | BILL OF PLUGS                            | 23/03/2026    | FA1       |
| &EPC          |                     |                      | 6    | BILL OF MATERIAL                         | 29/05/2026    | FA1       |
| &EPC          |                     |                      | 7    | BILL OF MATERIAL                         | 29/05/2026    | FA1       |

&EAA/1

&EFS=PWC+EC01/1

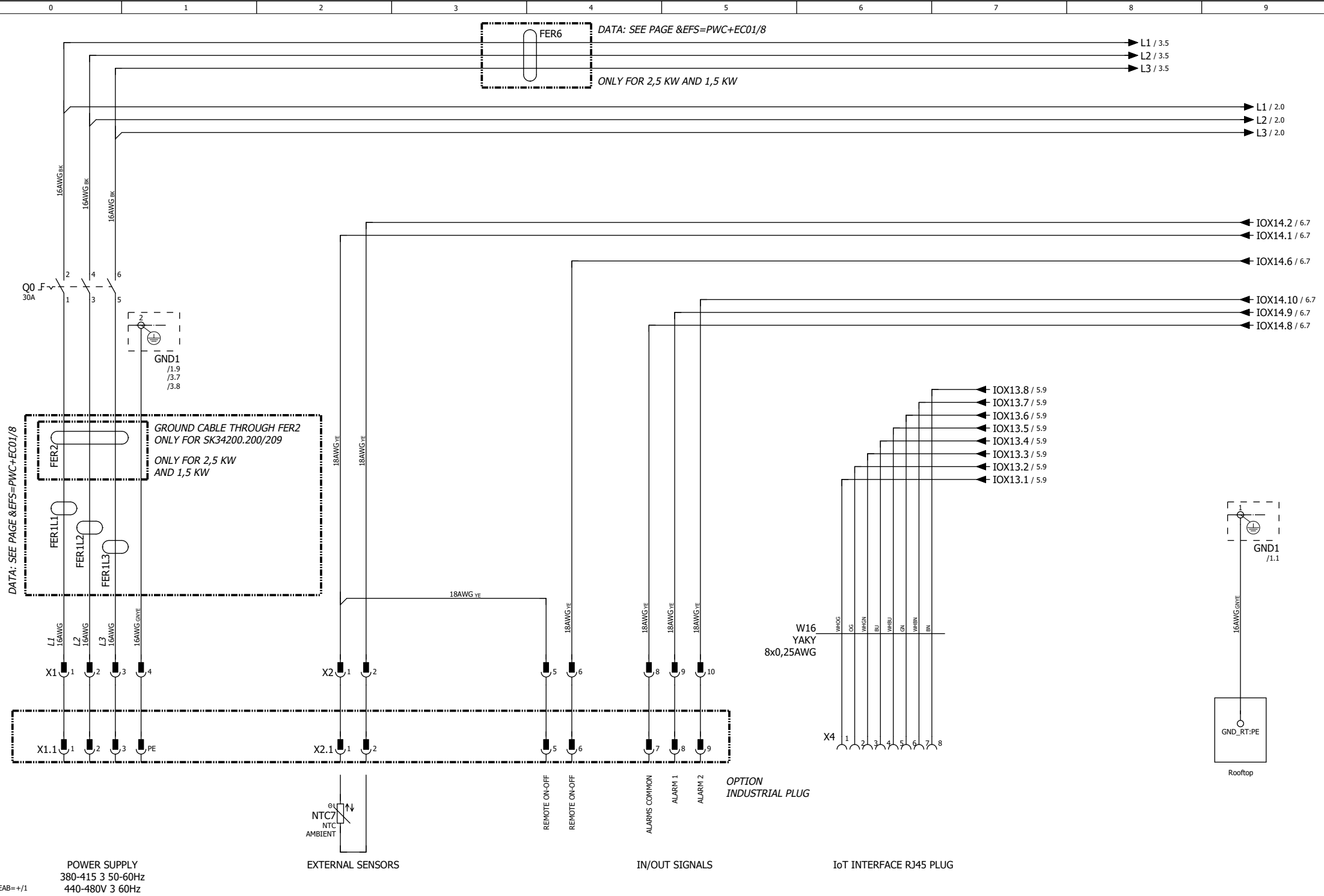
|            |     |        |               |
|------------|-----|--------|---------------|
| CREATED BY | TG1 | ON THE | 05/06/2025    |
| REVISOR    |     | ON THE | LAST REVISION |



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SK3419.100/109-SK3420.200/209-SK3434.300/309/360  
SK3434.400/409/440/460-SK3434.450/459/470/480  
PAGE OVERVIEW

|                |             |                   |          |
|----------------|-------------|-------------------|----------|
| DRAWING NUMBER | EP25046     | EPLAN Electric P8 | 2026.0.3 |
| CONTROL PANEL  | 3D REVISION | 2LP8_PAGKEL_22    |          |
|                |             | PAGES COUNTER     | 2        |
|                |             | NUMBER OF PAGES   | 21       |
| &EAB           | =           | +                 | 1        |



TERMINAL BLOCKS

OPTION INDUSTRIAL PLUG

GROUND CONNECTIONS

TERMINAL BLOCKS

OPTION INDUSTRIAL PLUG

GROUND CONNECTIONS

TERMINAL BLOCKS

OPTION INDUSTRIAL PLUG

GROUND CONNECTIONS

TERMINAL BLOCKS

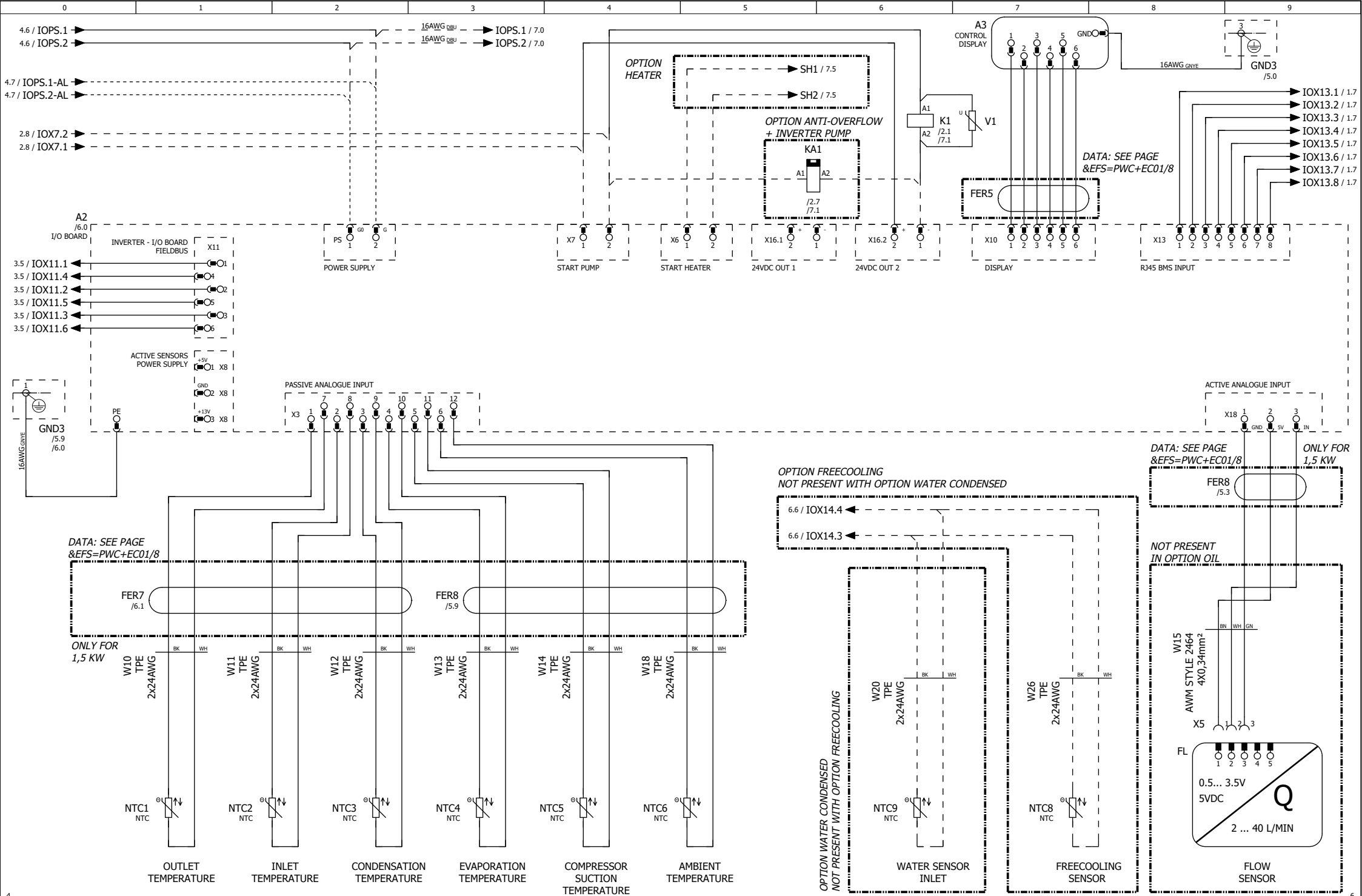
OPTION INDUSTRIAL PLUG

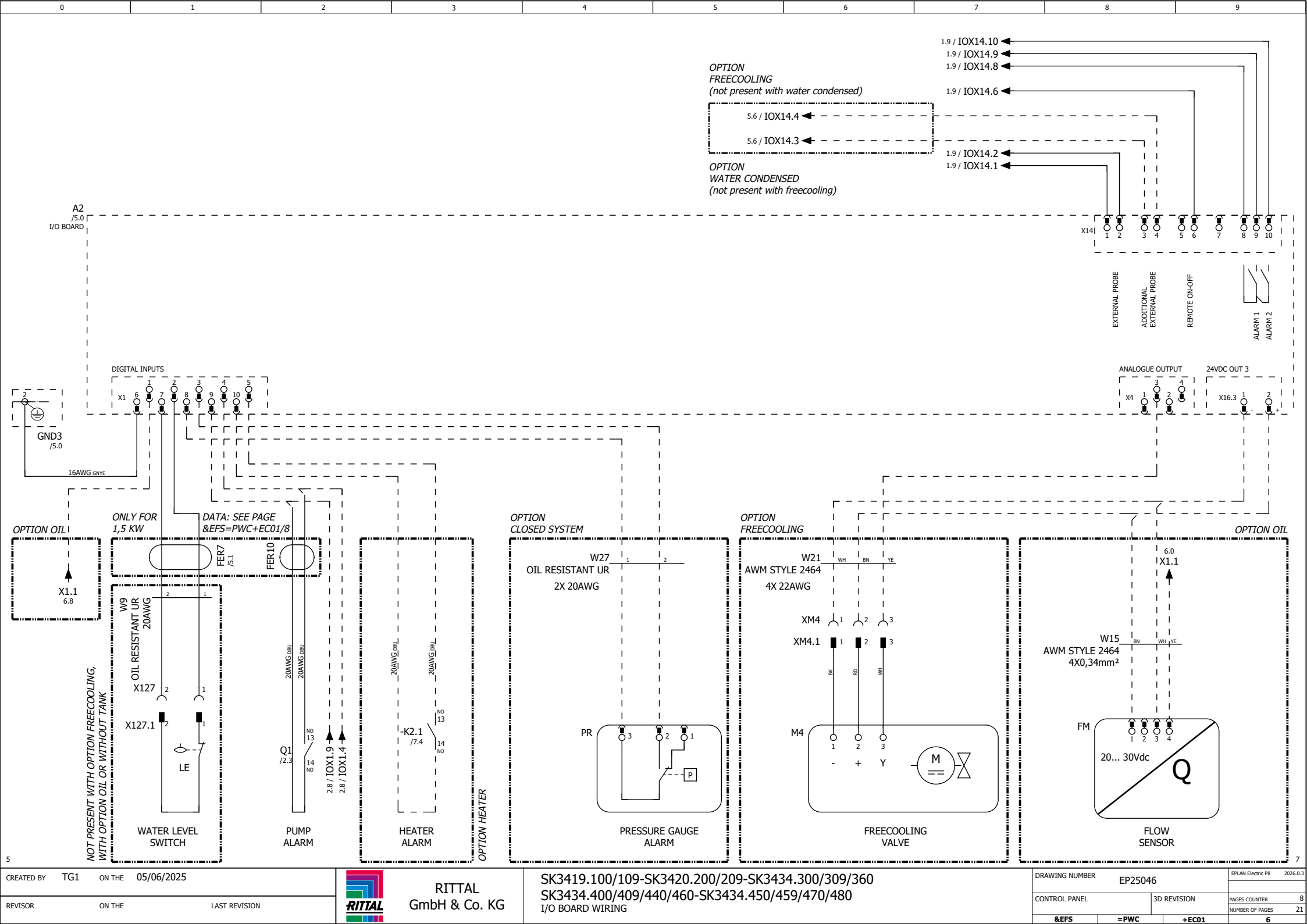
GROUND CONNECTIONS



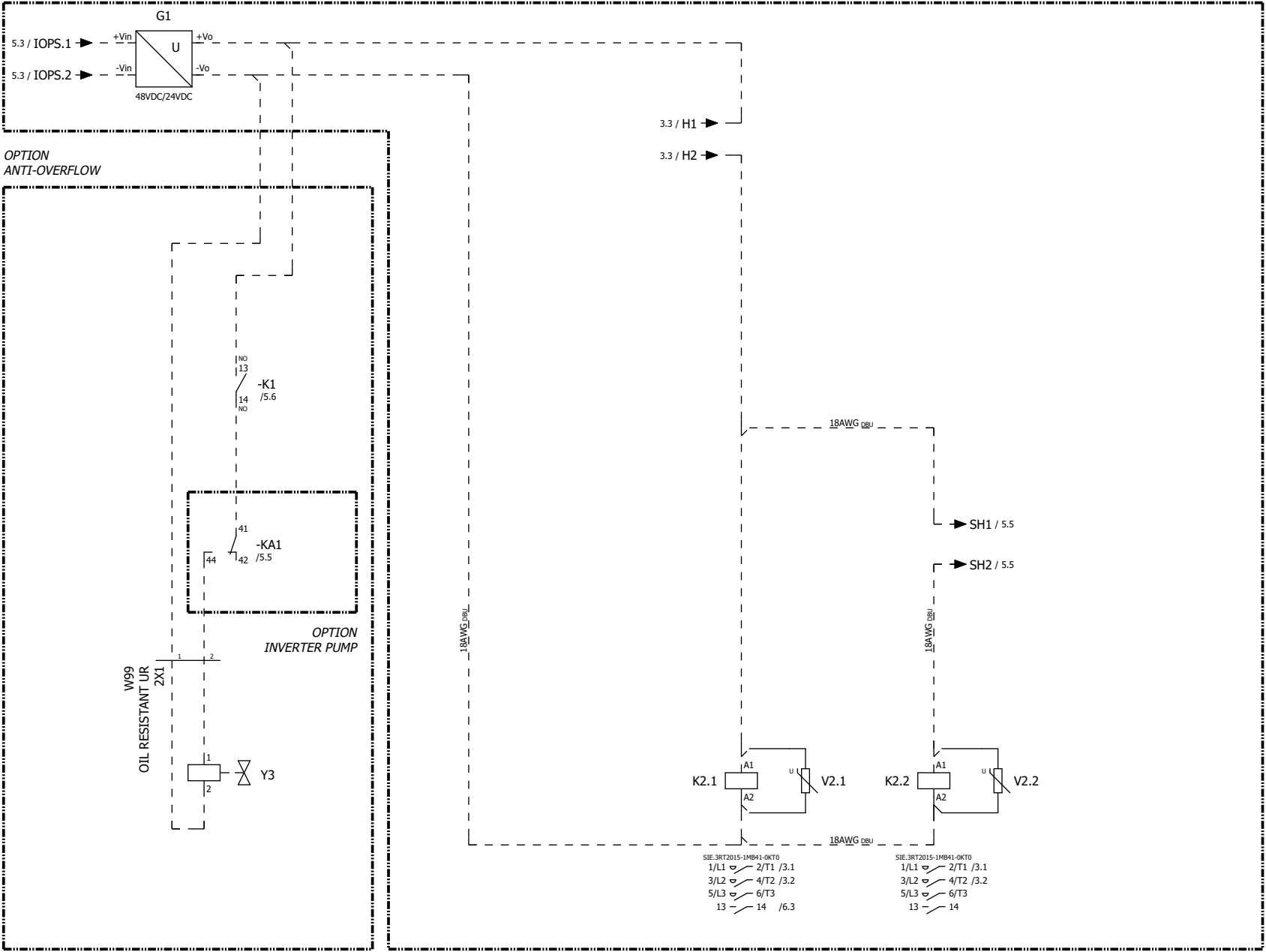








OPTION  
HEATER



|            |     |        |               |
|------------|-----|--------|---------------|
| CREATED BY | TG1 | ON THE | 05/06/2025    |
| REVISOR    |     | ON THE | LAST REVISION |



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SK3419.100/109-SK3420.200/209-SK3434.300/309/360  
SK3434.400/409/440/460-SK3434.450/459/470/480  
HEATER CONTROL WIRING - CON ALIMENTATORE

|                |             |                   |          |
|----------------|-------------|-------------------|----------|
| DRAWING NUMBER | EP25046     | EPLAN Electric P8 | 2026.0.3 |
| CONTROL PANEL  | 3D REVISION | PAGES COUNTER     | 9        |
| &EFS           | =PWC        | +EC01             | 7        |

| PUMP [MOTOR]   | ELECTRICAL DATA                          | BREAKER SWITCH | SETTING |
|----------------|------------------------------------------|----------------|---------|
| CM1-2 [ML71AA] | 50Hz: 0,25kW/0,65A<br>60Hz: 0,43kW/0,95A | 0,9-1,25A      | 1,1A    |
| CM1-3 [ML71AA] |                                          |                |         |
| CM3-2 [ML71AA] |                                          |                |         |
| CM1-4 [ML71BA] | 50Hz: 0,43kW/1,5A<br>60Hz: 0,74kW/1,8A   | 1,4-2A         | 1,9A    |
| CM1-5 [ML71BA] |                                          |                |         |
| CM1-6 [ML71BA] |                                          |                |         |
| CM1-7 [ML71BA] |                                          |                |         |
| CM3-4 [ML71BA] |                                          |                |         |
| CM1-8 [ML80CB] | 50Hz: 0,64kW/1,98A<br>60Hz: 1,10kW/2,22A | 1,8-2,5A       | 2,4A    |
| CM1-9 [ML80CB] |                                          |                |         |
| CME1-4 [71A]   | 0,55kW/1,35A                             |                |         |
| CM3-7          | 50Hz: 1,27kW/3,6A<br>60Hz: 2,2kW/4,15A   | 3,5-5A         | 4,6A    |
| 1HM04P11TBRQQV | 50Hz: 1,1kW/2,39A<br>60Hz: 1,1kW/2,2A    | 2,2-3,2A       | 2,6A    |

| FERRITE CORE  | SK3419.100/109       | SK3420.200/209 | SK3434.300/309/360 | SK3434.400/409/440/460 | SK3434.450/459/470/480 |
|---------------|----------------------|----------------|--------------------|------------------------|------------------------|
| FER1 L1/L2/L3 | Wurth 7427005        | Wurth 74271221 |                    |                        |                        |
| FER2          | Wurth 74271152       | Wurth 74271221 | -                  |                        |                        |
| FER3          | Fair-rite 2631102002 |                |                    |                        |                        |
| FER4          | Wurth 74272733       |                |                    |                        |                        |
| FER5          | Fair-rite 0461164181 |                |                    |                        |                        |
| FER6          | Wurth 74271151       |                | -                  |                        |                        |
| FER7          | Wurth 74271222       | -              |                    |                        |                        |
| FER8          | Wurth 74271222       | -              |                    |                        |                        |
| FER9          | Wurth 74271222       | -              |                    |                        |                        |
| FER10         | Wurth 74271131       | -              |                    |                        |                        |



# PLUG SUMMARY

2LP8\_INCONKEL\_22\_FA1

| PLUG DESIGNATION | FUNCTION TEXT             | TOTAL NUMBER | SUM OF ALL PE | CURRENT<br>[A]      | CONNECTION     | IMAGE                                                                                 | GRAPHICS PAGE OF THE PLUG |
|------------------|---------------------------|--------------|---------------|---------------------|----------------|---------------------------------------------------------------------------------------|---------------------------|
| =PWC+EC01-X1     | POWER SUPPLY PLUG         | 4            | 1             | 45                  | 0,5...10mm²    |    |                           |
| =PWC+EC01-X1.1   | POWER SUPPLY PLUG         | 7            | 1             | 16A (A.C. and D.C.) | 0,14 - 2,5 mmq |    |                           |
| =PWC+EC01-X2     | IN/OUT SIGNAL PLUG        | 10           | 0             | 12                  | 0,08...2,5mm²  |    |                           |
| =PWC+EC01-X2.1   | IN/OUT SIGNAL PLUG        | 10           | 1             | 10A (A.C. and D.C.) | 0,14 - 2,5 mmq |    |                           |
| =PWC+EC01-X4     | BMS INPUT PLUG            | 8            | 0             |                     |                |    |                           |
| =PWC+EC01-X5     | FLOW METER PLUG           | 0            | 0             | 7,5                 | 1,5mm²         |    |                           |
| =PWC+EC01-X127   | WATER LEVEL SWITCH        | 2            | 0             |                     |                |    |                           |
| =PWC+EC01-X127.1 | WATER LEVEL SWITCH        | 2            | 0             |                     |                |    |                           |
| =PWC+EC01-XF2    | HIGH PRESSURE SWITCH PLUG | 2            | 0             |                     |                |    |                           |
| =PWC+EC01-XF2.1  | HIGH PRESSURE SWITCH PLUG | 2            | 0             |                     |                |    |                           |
| =PWC+EC01-XHT    | HEATER PLUG               | 4            | 0             |                     |                |    |                           |
| =PWC+EC01-XHT.1  | HEATER PLUG               | 4            | 0             |                     |                |   |                           |
| =PWC+EC01-XM2    | FAN PLUG                  | 4            | 0             |                     |                |  |                           |
| =PWC+EC01-XM2.1  | FAN PLUG                  | 4            | 0             |                     |                |  |                           |
| =PWC+EC01-XM4    | FREECOOLING VALVE PLUG    | 4            | 0             |                     |                |  |                           |
| =PWC+EC01-XM4.1  | FREECOOLING VALVE PLUG    | 4            | 0             |                     |                |  |                           |
| =PWC+EC01-XM21   | FAN PLUG                  | 4            | 0             |                     |                |  |                           |
| =PWC+EC01-XM21.1 | FAN PLUG                  | 4            | 0             |                     |                |  |                           |

&EFS=PWC+EC01/8

|            |     |        |               |
|------------|-----|--------|---------------|
| CREATED BY | TG1 | ON THE | 05/06/2025    |
| REVISOR    |     | ON THE | LAST REVISION |



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SK3419.100/109-SK3420.200/209-SK3434.300/309/360  
SK3434.400/409/440/460-SK3434.450/459/470/480  
PLUGS SUMMARY

|                |             |                      |          |
|----------------|-------------|----------------------|----------|
| DRAWING NUMBER | EP25046     | EPLAN Electric P8    | 2026.0.3 |
| CONTROL PANEL  | 3D REVISION | 2LP8_INCONKEL_22_FA1 |          |
| &EMA           | =           | +                    | 1        |
| PAGES COUNTER  | 11          | NUMBER OF PAGES      | 21       |



PLUG SUMMARY

2LP8\_INCONKEL\_22\_FA1

| PLUG DESIGNATION | FUNCTION TEXT         | TOTAL NUMBER | SUM OF ALL PE | CURRENT<br>[A] | CONNECTION | IMAGE | GRAPHICS PAGE OF THE PLUG |
|------------------|-----------------------|--------------|---------------|----------------|------------|-------|---------------------------|
| =PWC+EC01-XRC    | CRANKCASE HEATER PLUG | 3            | 1             |                |            |       |                           |
| =PWC+EC01-XRC.1  | CRANKCASE HEATER PLUG | 3            | 1             |                |            |       |                           |

## 2LP8\_SCHMOKEK\_25\_FA1

2

CABLE OVERVIEW

2LP8\_CAVIKEL\_22\_FA1

| CABLE NAME             | FROM             | TO             | CABLE TYPE          | CORES | CORES USED | CROSS SECTION | LENGHT(OUT CABINET) | LENGHT(TOTAL) | INTERNAL PART NUMBER | PAGE / PATH       |
|------------------------|------------------|----------------|---------------------|-------|------------|---------------|---------------------|---------------|----------------------|-------------------|
| =PWC+EC01-INVERTER-BUS | =PWC+EC01-A1     | =PWC+EC01-A2   | PVC-TEL             | 6X    | 6          | 28AWG         |                     |               |                      | &EFS=PWC+EC01/3.4 |
| =PWC+EC01-W2           | =PWC+EC01-A1     | =PWC+EC01-Q0   | OIL RESISTANT UR SH | 4G    | 4          | 1,5mm²        | 16AWG               |               | 927971               | &EFS=PWC+EC01/3.6 |
|                        |                  | +EC01-GND1     |                     |       |            |               |                     |               |                      |                   |
| =PWC+EC01-W3           | +EC01-X3         | =PWC+EC01-M3   | OIL RESISTANT UR    | 4G    | 8          | 1,5mm²        | 16AWG               |               | 926163               | &EFS=PWC+EC01/2.1 |
|                        | =PWC+EC01-K1     |                |                     |       |            |               |                     |               |                      |                   |
|                        | +EC01-GND2       |                |                     |       |            |               |                     |               |                      |                   |
| =PWC+EC01-W5           | =PWC+EC01-A1     | =PWC+EC01-M1   | OIL RESISTANT UR SH | 4G    | 3          | 1mm²          | 18AWG               |               | 926383               | &EFS=PWC+EC01/3.6 |
|                        | =PWC+EC01-A1-PE2 |                |                     |       |            |               |                     |               |                      |                   |
| =PWC+EC01-W6           | =PWC+EC01-XF2    | =PWC+EC01-A1   | OIL RESISTANT UR    | 2X    | 2          | 0,5mm²        | 20AWG               |               |                      | &EFS=PWC+EC01/3.8 |
| =PWC+EC01-W8           | =PWC+EC01-XM2    | =PWC+EC01-A1   | AWM STYLE 2464 SH   | 4X    | 4          | 1mm²          | 18AWG               |               |                      | &EFS=PWC+EC01/4.8 |
|                        | +EC01-GND2       |                |                     |       |            |               |                     |               |                      |                   |
| =PWC+EC01-W9           | =PWC+EC01-X127   | =PWC+EC01-A2   | OIL RESISTANT UR    | 2X    | 2          | 0,5mm²        | 20AWG               |               | 926358               | &EFS=PWC+EC01/6.1 |
| =PWC+EC01-W10          | =PWC+EC01-A2     | =PWC+EC01-NTC1 | TPE                 | 2     | 2          | 24AWG         | 24AWG               |               |                      | &EFS=PWC+EC01/5.1 |
| =PWC+EC01-W11          | =PWC+EC01-A2     | =PWC+EC01-NTC2 | TPE                 | 2     | 2          | 24AWG         | 24AWG               |               |                      | &EFS=PWC+EC01/5.1 |
| =PWC+EC01-W12          | =PWC+EC01-A2     | =PWC+EC01-NTC3 | TPE                 | 2     | 2          | 24AWG         | 24AWG               |               |                      | &EFS=PWC+EC01/5.2 |
| =PWC+EC01-W13          | =PWC+EC01-A2     | =PWC+EC01-NTC4 | TPE                 | 2     | 2          | 24AWG         | 24AWG               |               |                      | &EFS=PWC+EC01/5.3 |
| =PWC+EC01-W14          | =PWC+EC01-A2     | =PWC+EC01-NTC5 | TPE                 | 2     | 2          | 24AWG         | 24AWG               |               |                      | &EFS=PWC+EC01/5.4 |
| =PWC+EC01-W15          | =PWC+EC01-X5     | =PWC+EC01-A2   | AWM STYLE 2464      | 4X    | 6          | 0,34mm²       | 22AWG               |               |                      | &EFS=PWC+EC01/5.8 |
|                        | =PWC+EC01-FM     |                |                     |       |            |               |                     |               |                      |                   |
| =PWC+EC01-W16          | =PWC+EC01-X4     | =PWC+EC01-A2   | YAKY                | 8     | 8          | 0,25AWG       |                     | 0,5m          | 2482700              | &EFS=PWC+EC01/1.6 |
| =PWC+EC01-W18          | =PWC+EC01-A2     | =PWC+EC01-NTC6 | TPE                 | 2     | 2          | 24AWG         | 24AWG               |               |                      | &EFS=PWC+EC01/5.4 |
| =PWC+EC01-W19          | +EC01-X3         | =PWC+EC01-M3   | AWM STYLE 2464      | 4X    | 6          | 1AWG          | 18AWG               |               |                      | &EFS=PWC+EC01/2.5 |
|                        | =PWC+EC01-KA1    |                |                     |       |            |               |                     |               |                      |                   |
|                        | =PWC+EC01-A2     |                |                     |       |            |               |                     |               |                      |                   |
| =PWC+EC01-W20          | =PWC+EC01-A2-X14 | =PWC+EC01-NTC9 | TPE                 | 2     | 2          | 24AWG         | 24AWG               |               |                      | &EFS=PWC+EC01/5.6 |
| =PWC+EC01-W21          | =PWC+EC01-XM4    | =PWC+EC01-A2   | AWM STYLE 2464      | 4X    | 3          | 0,34mm²       | 22AWG               |               |                      | &EFS=PWC+EC01/6.6 |
| =PWC+EC01-W22          | =PWC+EC01-XRC    | =PWC+EC01-A1   | OIL RESISTANT UR    | 3G    | 3          | 0,5mm²        | 20AWG               |               | 926388               | &EFS=PWC+EC01/3.5 |
|                        |                  | +EC01-GND2     |                     |       |            |               |                     |               |                      |                   |
| =PWC+EC01-W23          | =PWC+EC01-XHT    | =PWC+EC01-K2.2 | OIL RESISTANT UR    | 5G    | 4          | 1mm²          | 18AWG               |               | 926256               | &EFS=PWC+EC01/3.1 |
|                        |                  | =PWC+EC01-G1   |                     |       |            |               |                     |               |                      |                   |
|                        |                  | =PWC+EC01-K2.1 |                     |       |            |               |                     |               |                      |                   |
| =PWC+EC01-W26          | =PWC+EC01-A2-X14 | =PWC+EC01-NTC8 | TPE                 | 2     | 2          | 24AWG         | 24AWG               |               |                      | &EFS=PWC+EC01/5.7 |
| =PWC+EC01-W27          | =PWC+EC01-A2     | =PWC+EC01-PR   | OIL RESISTANT UR    | 2X    | 2          | 0,5mm²        | 20AWG               |               | 926358               | &EFS=PWC+EC01/6.4 |
| =PWC+EC01-W81          | =PWC+EC01-XM21   | =PWC+EC01-A1   | AWM STYLE 2464 SH   | 4X    | 4          | 1mm²          | 18AWG               |               |                      | &EFS=PWC+EC01/4.6 |
|                        | +EC01-GND2       |                |                     |       |            |               |                     |               |                      |                   |
| =PWC+EC01-W99          | =PWC+EC01-G1     | =PWC+EC01-Y3   | OIL RESISTANT UR    | 2X    | 2          | 1mm²          |                     |               | 926161               | &EFS=PWC+EC01/7.1 |
|                        | =PWC+EC01-KA1    |                |                     |       |            |               |                     |               |                      |                   |



# BILL OF PLUGS

2LP8\_RICKEL\_CONN\_22\_FA1

| DESIGNATION        | AMOUNT  | ARTICLE NUMBER  | DESIGNATION                                                   | NUMBER OF WAYS | MANUFACTURER | INTERNAL NO | PICTURE |
|--------------------|---------|-----------------|---------------------------------------------------------------|----------------|--------------|-------------|---------|
| =PWC+EC01-X1       |         |                 |                                                               |                |              |             |         |
| POWER SUPPLY PLUG  | 1<br>ST | 1994590000      | PLUG-INSERT MALE WEIDMULL 1994590000                          | 4              | Weidmueller  | 334776      |         |
| =PWC+EC01-X1       |         |                 |                                                               |                |              |             |         |
| POWER SUPPLY PLUG  | 1<br>ST | 2008980000      | PLUG-INSERT FEMALE WEIDMULL BVF 7.62HP/04/180MSF4 SN BK BX SO |                | Weidmueller  | 335276      |         |
| =PWC+EC01-X1.1     |         |                 |                                                               |                |              |             |         |
| POWER SUPPLY PLUG  | 1<br>ST | CSHF 06         | female insert, 6 poles + PE                                   | 6 + PE         | ILME         | 338545      |         |
| =PWC+EC01-X1.1     |         |                 |                                                               |                |              |             |         |
| POWER SUPPLY PLUG  | 1<br>ST | CSHM 06         | male insert, 6 poles + PE                                     |                | ILME         | 338546      |         |
| =PWC+EC01-X1.1     |         |                 |                                                               |                |              |             |         |
| POWER SUPPLY PLUG  | 1<br>ST | TCHI 06 L       | Bulkhead mounting housings with 1 lever                       |                | ILME         | 338541      |         |
| =PWC+EC01-X1.1     |         |                 |                                                               |                |              |             |         |
| POWER SUPPLY PLUG  | 1<br>ST | TMAO 06 L25     | Hoods with 2 pegs                                             |                | ILME         | 338542      |         |
| =PWC+EC01-X2       |         |                 |                                                               |                |              |             |         |
| IN/OUT SIGNAL PLUG | 1<br>ST | 231-640/129-000 | PLUG-INSERT MALE WAGO 231-640/129-000                         | 10             | WAGO         |             |         |
| =PWC+EC01-X2       |         |                 |                                                               |                |              |             |         |
| IN/OUT SIGNAL PLUG | 1<br>ST | 231-310/107-000 | Female connector                                              |                | WAGO         | 338310      |         |
| =PWC+EC01-X2.1     |         |                 |                                                               |                |              |             |         |
| IN/OUT SIGNAL PLUG | 1<br>ST | CDSHF 09        | female insert, 9 poles + PE                                   | 9 + PE         | ILME         | 338543      |         |
| =PWC+EC01-X2.1     |         |                 |                                                               |                |              |             |         |
| IN/OUT SIGNAL PLUG | 1<br>ST | CDSHM 09        | male insert, 9 poles + PE                                     |                | ILME         | 338544      |         |

|            |     |        |               |
|------------|-----|--------|---------------|
| CREATED BY | TG1 | ON THE | 05/06/2025    |
| REVISOR    |     | ON THE | LAST REVISION |



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SK3419.100/109-SK3420.200/209-SK3434.300/309/360  
SK3434.400/409/440/460-SK3434.450/459/470/480  
BILL OF PLUGS

|                |             |                         |          |
|----------------|-------------|-------------------------|----------|
| DRAWING NUMBER | EP25046     | EPLAN Electric P8       | 2026.0.3 |
| CONTROL PANEL  | 3D REVISION | 2LP8_RICKEL_CONN_22_FA1 |          |
|                |             | PAGES COUNTER           | 15       |
|                |             | NUMBER OF PAGES         | 21       |
| &EPC           | =           | +                       | 1        |



# BILL OF PLUGS

2LP8\_RICKEL\_CONN\_22\_FA1

| DESIGNATION               | AMOUNT  | ARTICLE NUMBER      | DESIGNATION                                        | NUMBER OF WAYS | MANUFACTURER    | INTERNAL NO | PICTURE |
|---------------------------|---------|---------------------|----------------------------------------------------|----------------|-----------------|-------------|---------|
| =PWC+EC01-X2.1            |         |                     |                                                    |                |                 |             |         |
| IN/OUT SIGNAL PLUG        | 1<br>ST | TCHI 06 L           | Bulkhead mounting housings with 1 lever            |                | ILME            | 338541      |         |
| =PWC+EC01-X2.1            |         |                     |                                                    |                |                 |             |         |
| IN/OUT SIGNAL PLUG        | 1<br>ST | TMAO 06 L25         | Hoods with 2 pegs                                  |                | ILME            | 338542      |         |
| =PWC+EC01-X5              |         |                     |                                                    |                |                 |             |         |
| FLOW METER PLUG           | 1<br>ST | 7000-13011-000-0000 | PLUG-INSERT FEMALE MURR 7000-13011-000-0000        | 5              | Murrelektronik  |             |         |
| =PWC+EC01-X127            |         |                     |                                                    |                |                 |             |         |
| WATER LEVEL SWITCH        | 1<br>ST | 350778-1            | PLUG-INSERT FEMALE AMP 350778-1                    |                | TE Connectivity | 920461      |         |
| =PWC+EC01-X127            |         |                     |                                                    |                |                 |             |         |
| WATER LEVEL SWITCH        | 2<br>ST | 350550-1            | SINGLE FEMALE PIN                                  |                | TE Connectivity | 904718      |         |
| =PWC+EC01-X127.1          |         |                     |                                                    |                |                 |             |         |
| WATER LEVEL SWITCH        | 1<br>ST | 350777-1            | 2 WAYS MALE PLUG                                   |                | TE Connectivity | 903944      |         |
| =PWC+EC01-X127.1          |         |                     |                                                    |                |                 |             |         |
| WATER LEVEL SWITCH        | 2<br>ST | 350547-1            | SINGLE MALE PIN                                    |                | TE Connectivity | 904717      |         |
| =PWC+EC01-XF2             |         |                     |                                                    |                |                 |             |         |
| HIGH PRESSURE SWITCH PLUG | 1<br>ST | EH716-002-003-960   | PLUG-INSERT MALE 4.20mm STOCKO EH716-002-003-960   |                | STOCKO          |             |         |
| =PWC+EC01-XF2             |         |                     |                                                    |                |                 |             |         |
| HIGH PRESSURE SWITCH PLUG | 2<br>ST | RTB 8229.120        | SINGLE MALE PIN 0.5-1mm²                           |                | STOCKO          |             |         |
| =PWC+EC01-XF2.1           |         |                     |                                                    |                |                 |             |         |
| HIGH PRESSURE SWITCH PLUG | 1<br>ST | EH715-002-003-960   | PLUG-INSERT FEMALE 4.20mm STOCKO EH715-002-003-960 |                | STOCKO          |             |         |



# BILL OF PLUGS

2LP8\_RICKEL\_CONN\_22\_FA1

| DESIGNATION               | AMOUNT  | ARTICLE NUMBER    | DESIGNATION                                           | NUMBER OF WAYS | MANUFACTURER    | INTERNAL NO | PICTURE                                                                               |
|---------------------------|---------|-------------------|-------------------------------------------------------|----------------|-----------------|-------------|---------------------------------------------------------------------------------------|
| =PWC+EC01-XF2.1           |         |                   |                                                       |                |                 |             |                                                                                       |
| HIGH PRESSURE SWITCH PLUG | 2<br>ST | RBB 8230.120      | SINGLE FEMALE PIN 0.5-1mm²                            |                | STOCKO          |             |    |
| =PWC+EC01-XHT             |         |                   |                                                       |                |                 |             |                                                                                       |
| HEATER PLUG               | 1<br>ST | 794189-1          | PLUG-INSERT FEMALE TE CONNECTIVITY 794189-1           |                | TE Connectivity |             |    |
| =PWC+EC01-XHT             |         |                   |                                                       |                |                 |             |                                                                                       |
| HEATER PLUG               | 4<br>ST | 794229-1          | PIN TE CONNECTIVITY FEMALE 24-18AWG                   |                | TE Connectivity |             |    |
| =PWC+EC01-XHT.1           |         |                   |                                                       |                |                 |             |                                                                                       |
| HEATER PLUG               | 1<br>ST | 794188-1          | PLUG-INSERT MALE TE CONNECTIVITY 794188-1             |                | TE Connectivity |             |    |
| =PWC+EC01-XHT.1           |         |                   |                                                       |                |                 |             |                                                                                       |
| HEATER PLUG               | 4<br>ST | 794228-1          | PIN TE CONNECTIVITY MALE 24-18AWG                     |                | TE Connectivity |             |    |
| =PWC+EC01-XM2             |         |                   |                                                       |                |                 |             |                                                                                       |
| FAN PLUG                  | 1<br>ST | EH716-004-003-960 | PLUG-INSERT MALE 4.20mm STOCKO<br>EH716-004-003-960   |                | STOCKO          |             |    |
| =PWC+EC01-XM2             |         |                   |                                                       |                |                 |             |                                                                                       |
| FAN PLUG                  | 4<br>ST | RTB 8229.120      | SINGLE MALE PIN 0.5-1mm²                              |                | STOCKO          |             |   |
| =PWC+EC01-XM2.1           |         |                   |                                                       |                |                 |             |                                                                                       |
| FAN PLUG                  | 1<br>ST | EH715-004-003-960 | PLUG-INSERT FEMALE 4.20mm STOCKO<br>EH715-004-003-960 |                | STOCKO          |             |  |
| =PWC+EC01-XM2.1           |         |                   |                                                       |                |                 |             |                                                                                       |
| FAN PLUG                  | 4<br>ST | RBB 8230.120      | SINGLE FEMALE PIN 0.5-1mm²                            |                | STOCKO          |             |  |
| =PWC+EC01-XM4             |         |                   |                                                       |                |                 |             |                                                                                       |
| FREECOOLING VALVE PLUG    | 1<br>ST | 794189-1          | PLUG-INSERT FEMALE TE CONNECTIVITY 794189-1           |                | TE Connectivity |             |  |



# BILL OF PLUGS

2LP8\_RICKEL\_CONN\_22\_FA1

| DESIGNATION            | AMOUNT  | ARTICLE NUMBER    | DESIGNATION                                           | NUMBER OF WAYS | MANUFACTURER    | INTERNAL NO | PICTURE |
|------------------------|---------|-------------------|-------------------------------------------------------|----------------|-----------------|-------------|---------|
| =PWC+EC01-XM4          |         |                   |                                                       |                |                 |             |         |
| FREECOOLING VALVE PLUG | 4<br>ST | 794229-1          | PIN TE CONNECTIVITY FEMALE 24-18AWG                   |                | TE Connectivity |             |         |
| =PWC+EC01-XM4.1        |         |                   |                                                       |                |                 |             |         |
| FREECOOLING VALVE PLUG | 1<br>ST | 794188-1          | PLUG-INSERT MALE TE CONNECTIVITY 794188-1             |                | TE Connectivity |             |         |
| =PWC+EC01-XM4.1        |         |                   |                                                       |                |                 |             |         |
| FREECOOLING VALVE PLUG | 4<br>ST | 794228-1          | PIN TE CONNECTIVITY MALE 24-18AWG                     |                | TE Connectivity |             |         |
| =PWC+EC01-XM21         |         |                   |                                                       |                |                 |             |         |
| FAN PLUG               | 1<br>ST | EH716-004-003-960 | PLUG-INSERT MALE 4.20mm STOCKO<br>EH716-004-003-960   |                | STOCKO          |             |         |
| =PWC+EC01-XM21         |         |                   |                                                       |                |                 |             |         |
| FAN PLUG               | 4<br>ST | RTB 8229.120      | SINGLE MALE PIN 0.5-1mm²                              |                | STOCKO          |             |         |
| =PWC+EC01-XM21.1       |         |                   |                                                       |                |                 |             |         |
| FAN PLUG               | 1<br>ST | EH715-004-003-960 | PLUG-INSERT FEMALE 4.20mm STOCKO<br>EH715-004-003-960 |                | STOCKO          |             |         |
| =PWC+EC01-XM21.1       |         |                   |                                                       |                |                 |             |         |
| FAN PLUG               | 4<br>ST | RBB 8230.120      | SINGLE FEMALE PIN 0.5-1mm²                            |                | STOCKO          |             |         |
| =PWC+EC01-XRC          |         |                   |                                                       |                |                 |             |         |
| CRANKCASE HEATER PLUG  | 1<br>ST | 350767-1          | PLUG-INSERT FEMALE AMP 350767-1                       |                | TE Connectivity | 920041      |         |
| =PWC+EC01-XRC          |         |                   |                                                       |                |                 |             |         |
| CRANKCASE HEATER PLUG  | 3<br>ST | 350550-1          | SINGLE FEMALE PIN                                     |                | TE Connectivity | 904718      |         |
| =PWC+EC01-XRC.1        |         |                   |                                                       |                |                 |             |         |
| CRANKCASE HEATER PLUG  | 1<br>ST | 350766-1          | 3 WAYS MALE PLUG                                      |                | TE Connectivity | 907718      |         |



BILL OF PLUGS

2LP8\_RICKEL\_CONN\_22\_FA1

| DESIGNATION           | AMOUNT  | ARTICLE NUMBER | DESIGNATION     | NUMBER OF WAYS | MANUFACTURER    | INTERNAL NO | PICTURE |
|-----------------------|---------|----------------|-----------------|----------------|-----------------|-------------|---------|
| =PWC+EC01-XRC.1       |         |                |                 |                |                 |             |         |
| CRANKCASE HEATER PLUG | 3<br>ST | 350547-1       | SINGLE MALE PIN |                | TE Connectivity | 904717      |         |



# BILL OF MATERIALS

2LP8\_RICKEL\_22

| DESIGNATION | AMOUNT | LENGTH | ARTICLE NUMBER     | DESIGNATION 1                                                    | MANUFACTURER | INTERNAL NO | PAGE / PATH       |
|-------------|--------|--------|--------------------|------------------------------------------------------------------|--------------|-------------|-------------------|
| A1          | 1      |        | RITRI01C11211      | INVERTER MOT BRUSH CAREL RITRI01C11211                           | CAREL        | 335621      | &EFS=PWC+EC01/3.5 |
| A1          | 1      |        | RITRI02F11311      | INVERTER MOT BRUSH CAREL RITRI02F11311                           | CAREL        | 334348      | &EFS=PWC+EC01/3.5 |
| A1          | 1      |        | RITRI23F11411      | INVERTER MOT BRUSH CAREL RITRI23F11411                           | CAREL        | 334349      | &EFS=PWC+EC01/3.5 |
| G1          | 1      |        | DDR-15L-24         | 15W rail type DC-DC converter                                    |              |             | &EFS=PWC+EC01/7.1 |
| GND1        | 2      |        |                    | BLIND RIVET EARTH WÜRTH                                          | ---          | 928003      | &EFS=PWC+EC01/1.1 |
| GND2        | 1      |        |                    | BLIND RIVET EARTH WÜRTH                                          | ---          | 928003      | &EFS=PWC+EC01/2.2 |
| GND3        | 1      |        |                    | BLIND RIVET EARTH WÜRTH                                          | ---          | 928003      | &EFS=PWC+EC01/5.0 |
| K1          | 1      |        | 3RT2015-1MB41-0KT0 | COUPLING CONT.,AC3:3KW 1NO DC24V                                 | Siemens      | 927308      | &EFS=PWC+EC01/5.6 |
| K2.1        | 1      |        | 3RT2015-1MB41-0KT0 | COUPLING CONT.,AC3:3KW 1NO DC24V                                 | Siemens      | 927308      | &EFS=PWC+EC01/7.4 |
| K2.2        | 1      |        | 3RT2015-1MB41-0KT0 | COUPLING CONT.,AC3:3KW 1NO DC24V                                 | Siemens      | 927308      | &EFS=PWC+EC01/7.5 |
| KA1         | 1      |        | 55.32.9.024.0040   | MINIATURE GENERAL PURPOSE RELAY, 2 POLE, 10 A - DC - 24 V - AGNI | Finder       | 904573      | &EFS=PWC+EC01/5.5 |
| KA1         | 1      |        | 94.82              | SOCKET FOR 55.32 RELE'                                           | Finder       | 904587      | &EFS=PWC+EC01/5.5 |
| NTC1        | 1      |        | NTC016HPRR         | Cr NTC_I INTERNAL (SENSORE 1600 RED)                             | CAREL        | 909426      | &EFS=PWC+EC01/5.1 |
| NTC2        | 1      |        | NTC016HPRR         | Cr NTC_I INTERNAL (SENSORE 1600 RED)                             | CAREL        | 909426      | &EFS=PWC+EC01/5.2 |
| NTC3        | 1      |        | NTC016HPRR         | Cr NTC_I INTERNAL (SENSORE 1600 RED)                             | CAREL        | 909426      | &EFS=PWC+EC01/5.2 |
| NTC4        | 1      |        | NTC016HPRR         | Cr NTC_I INTERNAL (SENSORE 1600 RED)                             | CAREL        | 909426      | &EFS=PWC+EC01/5.3 |
| NTC5        | 1      |        | NTC016HPRR         | Cr NTC_I INTERNAL (SENSORE 1600 RED)                             | CAREL        | 909426      | &EFS=PWC+EC01/5.4 |
| NTC6        | 1      |        | NTC016HPRR         | Cr NTC_I INTERNAL (SENSORE 1600 RED)                             | CAREL        | 909426      | &EFS=PWC+EC01/5.5 |
| NTC8        | 1      |        | NTC016HPRR         | Cr NTC_I INTERNAL (SENSORE 1600 RED)                             | CAREL        | 909426      | &EFS=PWC+EC01/5.7 |
| NTC9        | 1      |        | NTC016HPRR         | Cr NTC_I INTERNAL (SENSORE 1600 RED)                             | CAREL        | 909426      | &EFS=PWC+EC01/5.6 |
| Q0          | 1      |        | 2201 3003          | ISOLATOR 3X30A BASE MOUNTING UL98                                | SOCOMEK      | 338247      | &EFS=PWC+EC01/1.0 |
| Q0          | 1      |        | 148D 1111          | BLACK KNOB TYPE S0 NEMA 4,4X                                     | SOCOMEK      | 338246      | &EFS=PWC+EC01/1.0 |
| Q0          | 1      |        | 1407 0515          | OPERATING SHAFT 150mm                                            | SOCOMEK      | 338248      | &EFS=PWC+EC01/1.0 |
| Q0          | 1      |        | 2299 9409          | SIRCO M ROUND COVER                                              | SOCOMEK      | 338249      | &EFS=PWC+EC01/1.0 |
| V1          | 1      |        | 3RT29161BB00       | SURGE SUPPRESSOR, VARISTOR,                                      | Siemens      | 919432      | &EFS=PWC+EC01/5.7 |
| V2.1        | 1      |        | 3RT29161BB00       | SURGE SUPPRESSOR, VARISTOR,                                      | Siemens      | 919432      | &EFS=PWC+EC01/7.4 |
| V2.2        | 1      |        | 3RT29161BB00       | SURGE SUPPRESSOR, VARISTOR,                                      | Siemens      | 919432      | &EFS=PWC+EC01/7.6 |
| W2          | 1      |        |                    | 4G1.5 OIL RESISTANT UR SH                                        | ---          | 927971      | &EFS=PWC+EC01/3.6 |



# BILL OF MATERIALS

2LP8\_RICKEL\_22

| DESIGNATION | AMOUNT | LENGTH  | ARTICLE NUMBER | DESIGNATION 1                            | MANUFACTURER | INTERNAL NO | PAGE / PATH                         |
|-------------|--------|---------|----------------|------------------------------------------|--------------|-------------|-------------------------------------|
| W3          | 1      |         |                | 4G1,5mm² OIL RESISTANT UR                | ---          | 926163      | &EFS=PWC+EC01/2.1                   |
| W5          | 1      |         |                | 4G1 OIL RESISTANT UR SH                  | ---          | 926383      | &EFS=PWC+EC01/3.6                   |
| W6          | 1      |         |                |                                          |              |             | &EFS=PWC+EC01/3.8                   |
| W9          | 1      |         |                | 2X0.5mm² OIL RESISTANT UR                | ---          | 926358      | &EFS=PWC+EC01/6.1                   |
| W16         | 1      | 0,500 m | 2482700        | Interface extension with wall connection | Rittal       | 2482700     | &EFS=PWC+EC01/1.6                   |
| W22         | 1      |         |                | 3G0,5mm² OIL RESISTANT UR                | ---          | 926388      | &EFS=PWC+EC01/3.5                   |
| W23         | 1      |         |                | 5G1mm² OIL RESISTANT UR                  | ---          | 926256      | &EFS=PWC+EC01/3.1                   |
| W27         | 1      |         |                | 2X0.5mm² OIL RESISTANT UR                | ---          | 926358      | &EFS=PWC+EC01/6.4                   |
| W99         | 1      |         |                | 2X1mm² OIL RESISTANT UR                  | ---          | 926161      | &EFS=PWC+EC01/7.1                   |
| X3          | 5      |         | 280-901        | 2-conductor through terminal block       | WAGO         | 903680      | &EFS=PWC+EC01/2.5;&EFS=PWC+EC01/2.6 |

|            |     |        |               |
|------------|-----|--------|---------------|
| CREATED BY | TG1 | ON THE | 05/06/2025    |
| REVISOR    |     | ON THE | LAST REVISION |



RITTAL

GmbH & Co. KG

SK3419.100/109-SK3420.200/209-SK3434.300/309/360  
SK3434.400/409/440/460-SK3434.450/459/470/480  
BILL OF MATERIAL

|                |  |             |  |                   |          |
|----------------|--|-------------|--|-------------------|----------|
| DRAWING NUMBER |  | EP25046     |  | EPLAN Electric P8 | 2026.0.3 |
| CONTROL PANEL  |  | 3D REVISION |  | 2LP8_RICKEL_22    |          |
| &EPC           |  | =           |  | +                 |          |
|                |  |             |  |                   | 7        |
|                |  |             |  | PAGES COUNTER     | 21       |
|                |  |             |  | NUMBER OF PAGES   | 21       |