



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

MODEL : SK3335.950
TTC30161TT00V000EG

DRAWING NUMBER : EP25011 -

POWER SUPPLY : 400V 3 50Hz - 460V 3 60Hz

AUXILIARY SUPPLY : 24VAC

CUSTOMER :

REFERENCE :

CONTROL PANEL PART NR : 928928

CREATED THE : 04/03/2025 BY AL1

CHANGED ON THE : BY

NUMBER OF PAGES 23



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	05/03/2025	AL1
&EAB			1	PAGE OVERVIEW	18/11/2025	AL1
&EFS	=PWC	+EC01	1	POWER CIRCUIT	05/03/2025	AL1
&EFS	=PWC	+EC01	2	POWER CIRCUIT	07/03/2025	AG1
&EFS	=AUA	+EC01	1	AUXILIARY WIRING	18/11/2025	AL1
&EFS	=AUA	+EC01	2	AUXILIARY WIRING	05/03/2025	AL1
&EFS	=AUA	+EC01	3	DIGITAL INPUT	05/03/2025	AL1
&EFS	=AIN	+EC01	1	ANALOG INPUT	05/03/2025	AL1
&EFS	=ISN	+EC01	1	IN/OUT SIGNALS	07/03/2025	AG1
&EMZ		+EC01	1	UPC OVERVIEW	04/03/2025	AL1
&EMA			1	TERMINAL STRIP SUMMARY	05/03/2025	AL1
&EMA			2	PLUGS SUMMARY	05/03/2025	AL1
&EMA			3	TERMINAL DIAGRAM +EC01-X2	05/03/2025	AL1
&EMA			4	TERMINAL DIAGRAM +EC01-X2	05/03/2025	AL1
&EMA			5	PLUG DIAGRAM =PWC+ELM-XS1	05/03/2025	AL1
&EMA			6	PLUG DIAGRAM =ISN+ELM-XS2	05/03/2025	AL1
&EMB			1	CABLE OVERVIEW =PWC+EC01-W0-=AUA+EC01-W38	18/11/2025	AL1
&EPC			1	BILL OF PLUGS	05/03/2025	AL1
&EPC			2	BILL OF MATERIAL	07/03/2025	AG1
&EPC			3	BILL OF MATERIAL	05/03/2025	AL1
&EPC			4	BILL OF MATERIAL	18/11/2025	AL1
&EPC			5	BILL OF MATERIAL	05/03/2025	AL1
&EPC			6	BILL OF MATERIAL	05/03/2025	AL1

&EAA/1

&EFS=PWC+EC01/1

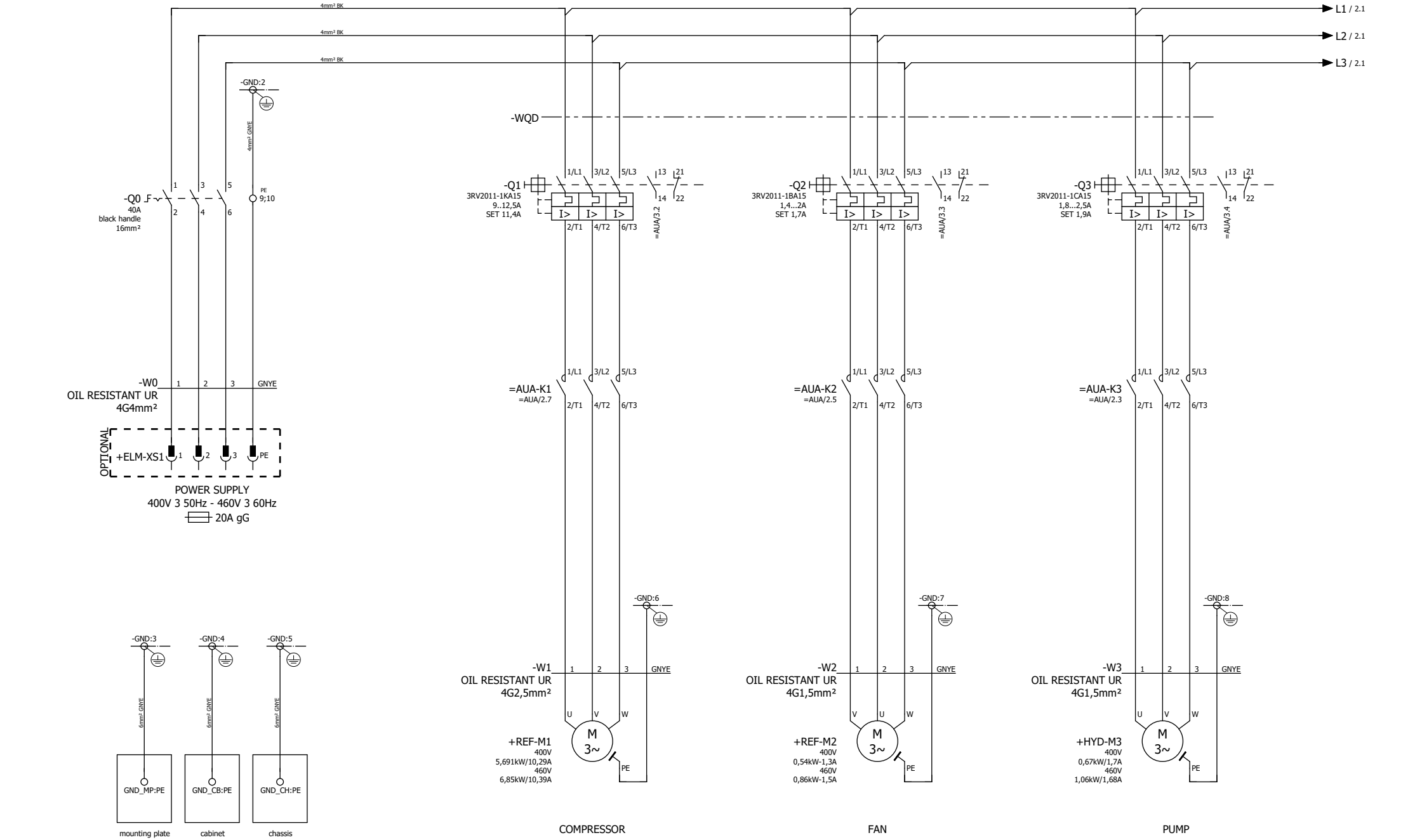
CREATED BY	AL1	ON THE	04/03/2025
REVISOR		ON THE	LAST REVISION



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SK3335.950
TTC30161TT00V000EG
PAGE OVERVIEW

DRAWING NUMBER	EP25011	EPLAN Electric P8	2025.0.3
CONTROL PANEL	928928	3D REVISION	
		PAGES COUNTER	2
		NUMBER OF PAGES	23
&EAB	=	+	1



&EAB=+/1

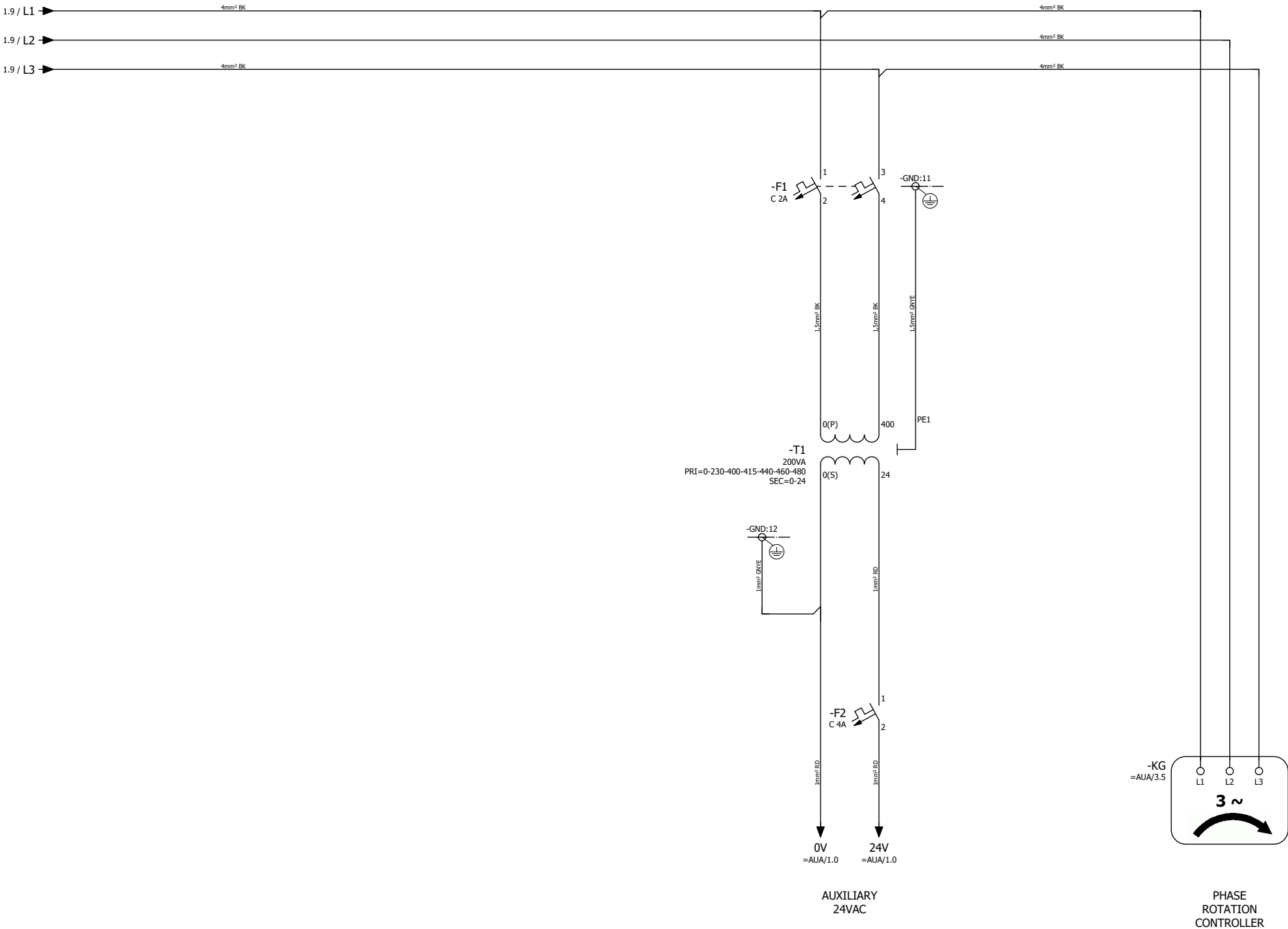
CREATED BY	AL1	ON THE	04/03/2025
REVISOR		ON THE	LAST REVISION

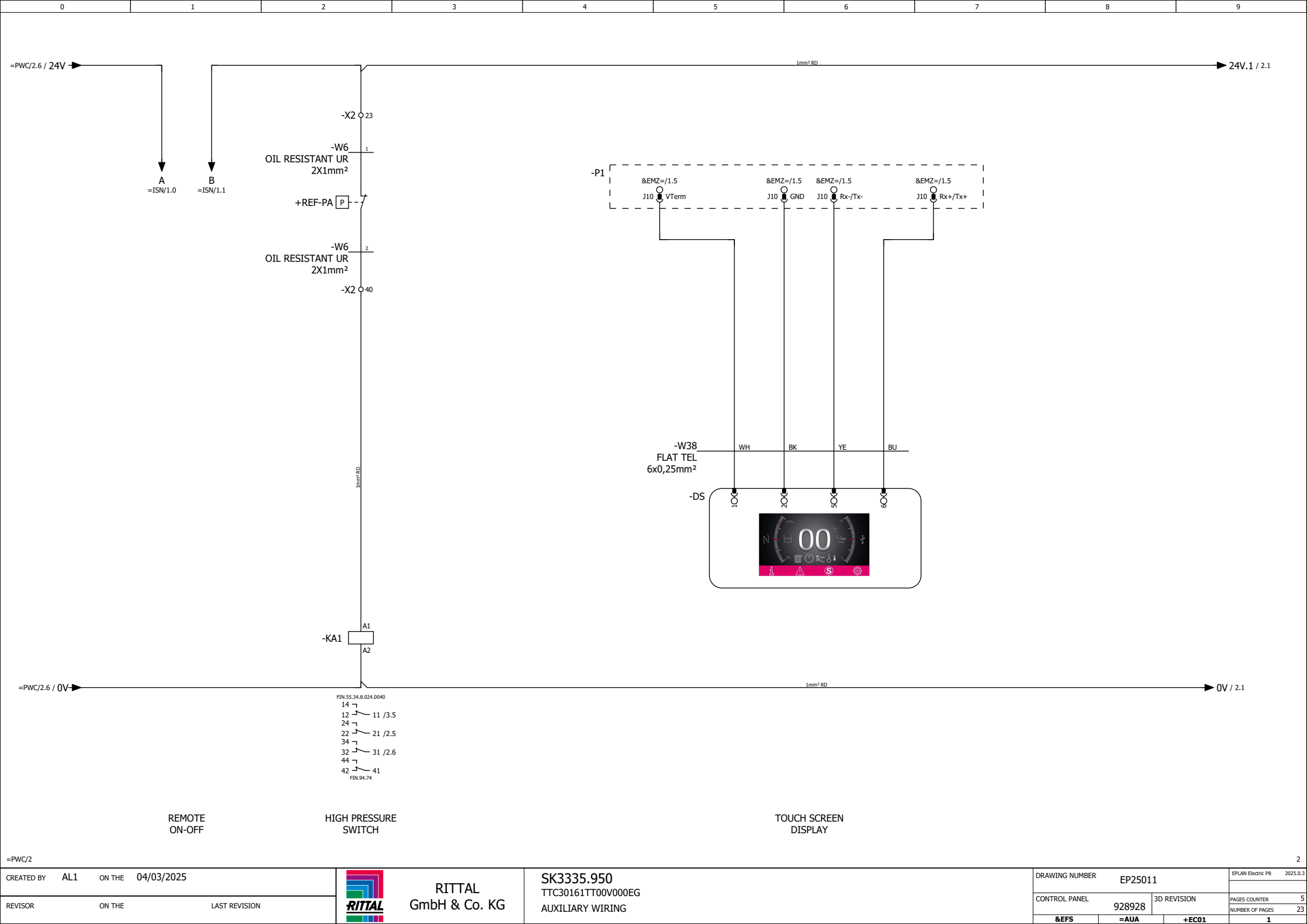


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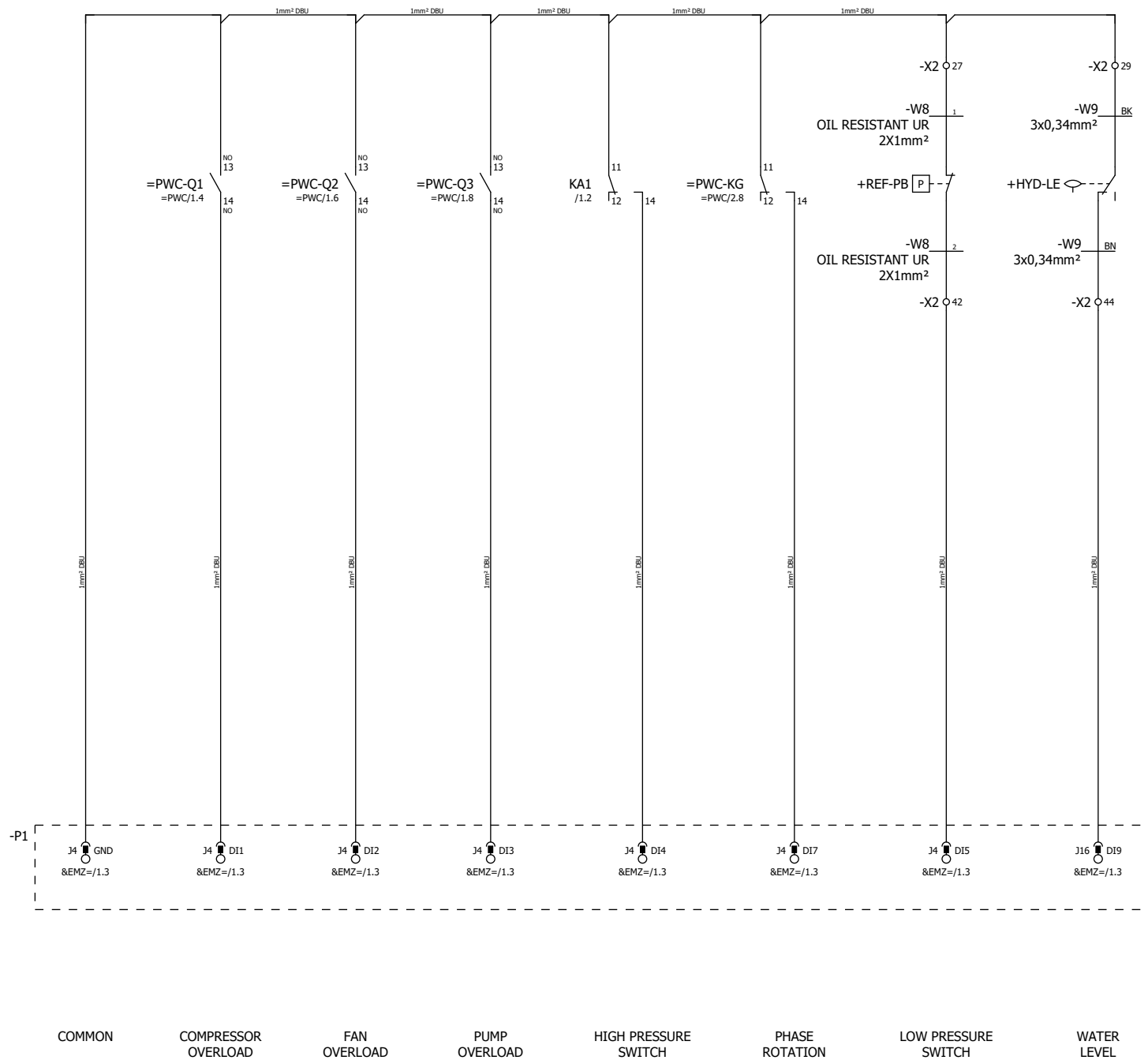
SK3335.950
TTC30161TT00V000EG
POWER CIRCUIT

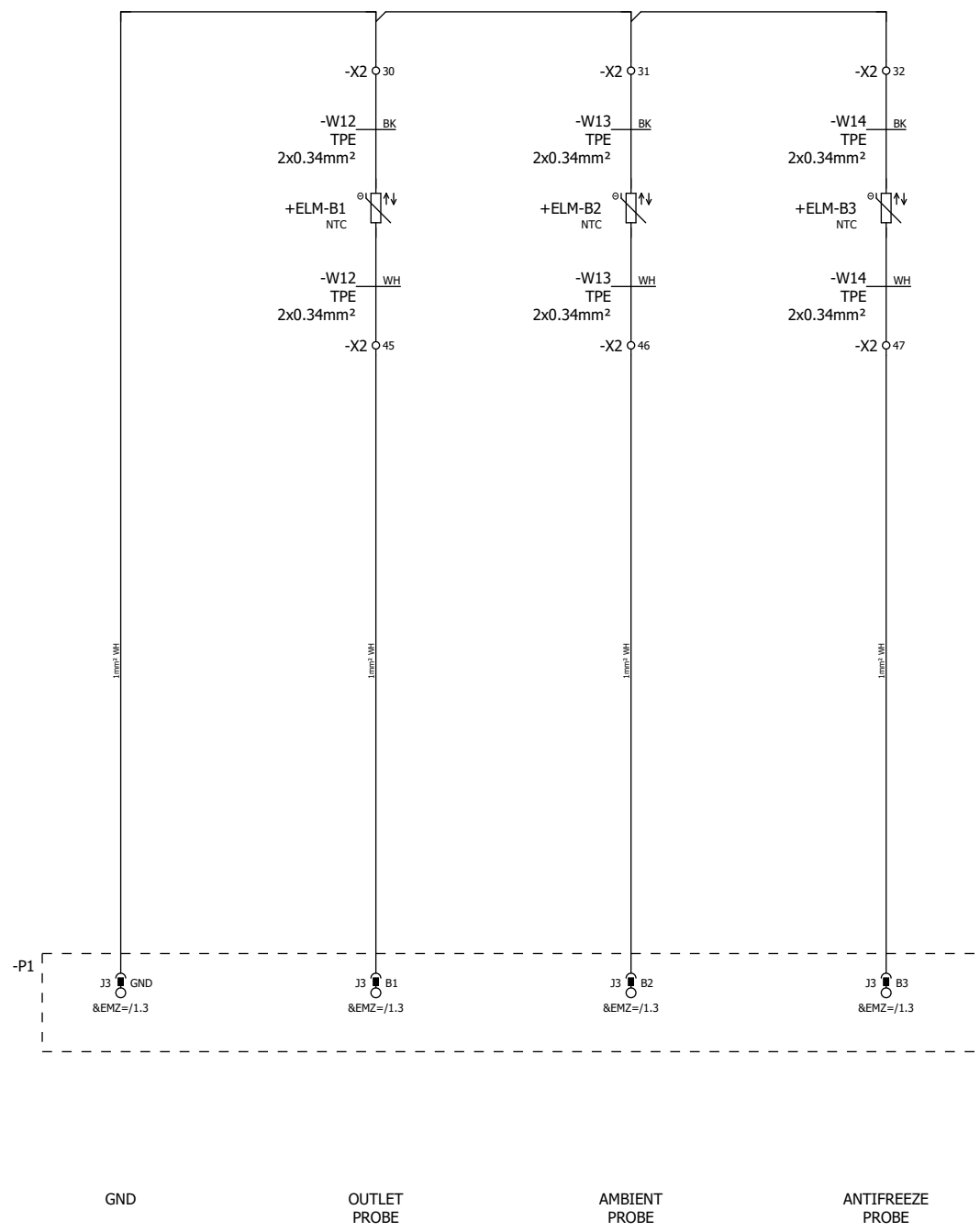
DRAWING NUMBER	EP25011	EPLAN Electric P8	2025.0.3
CONTROL PANEL	928928	3D REVISION	PAGES COUNTER
&EFS	=PWC	+EC01	NUMBER OF PAGES
			23
			1

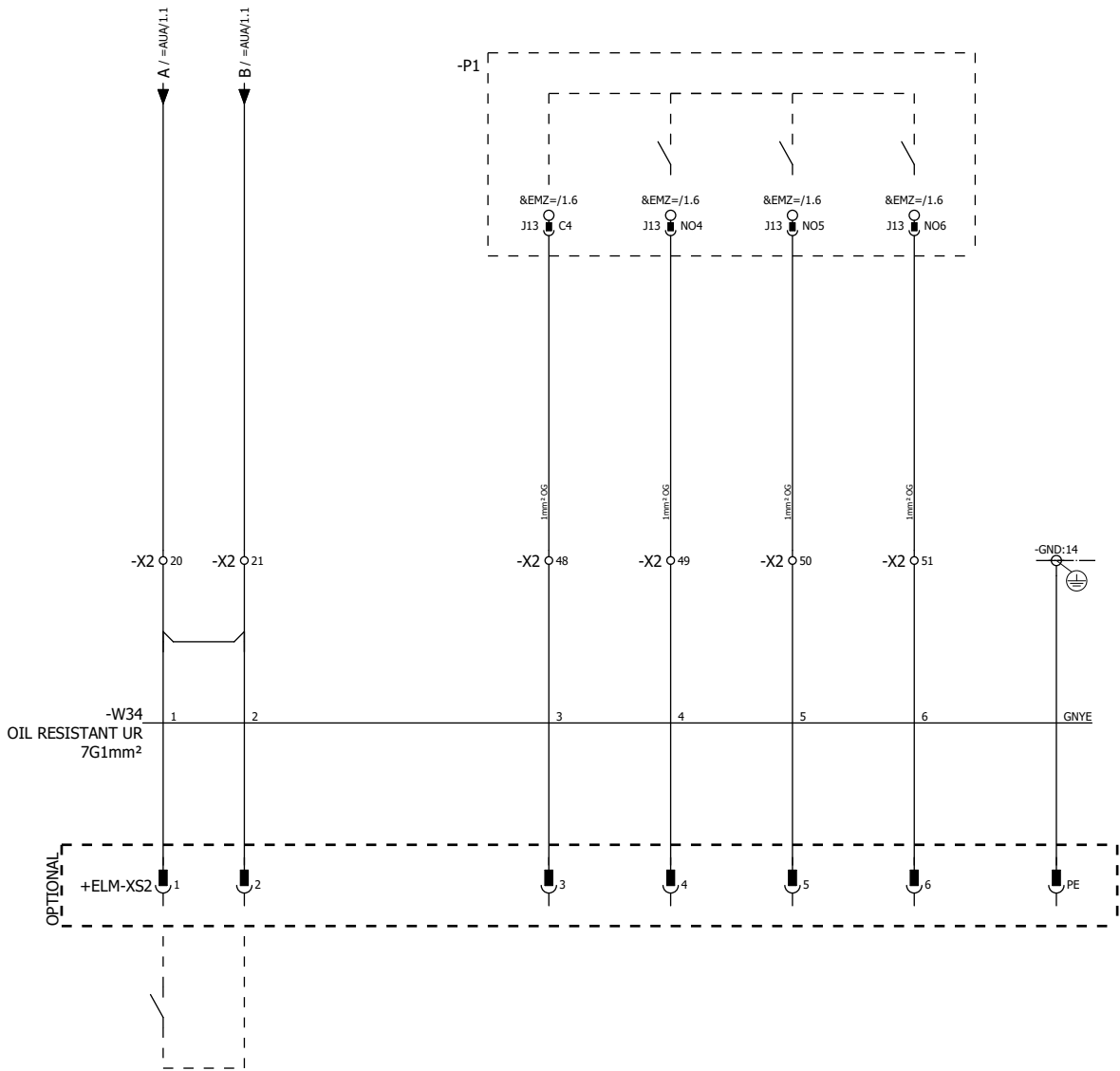












REMOTE ON/OFF
(EXTERNAL FROM CUSTOMER)

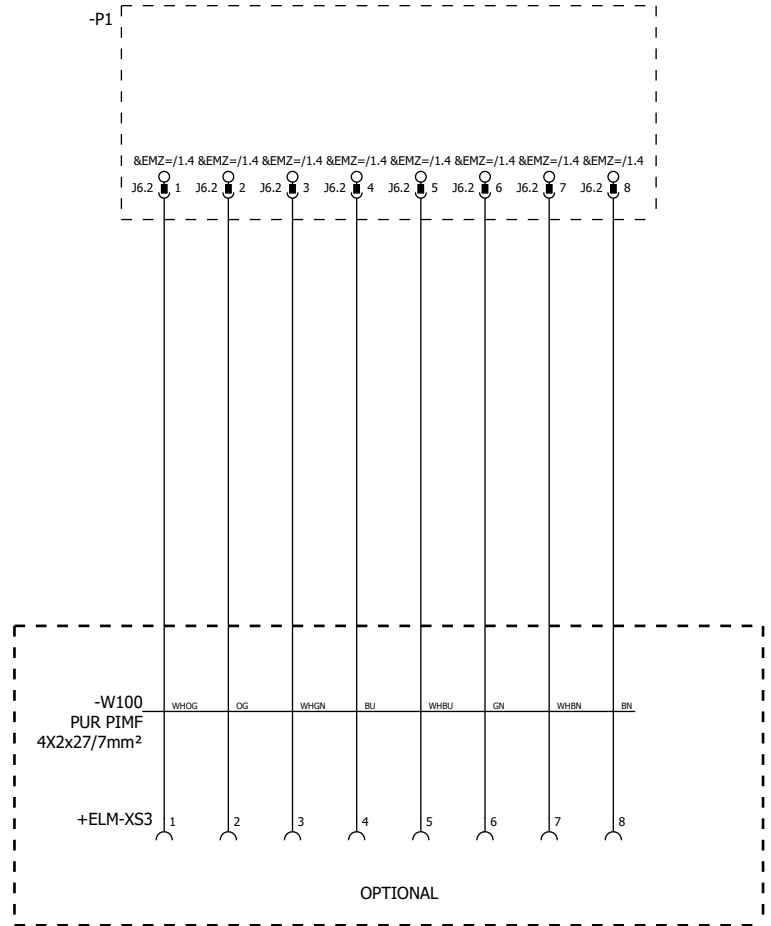
COMMON

WARNING
SIGNAL

ALARM
SIGNAL

TEMPERATURE
ALARM

GND



ETHERNET
NETWORK

=AIN/1

&EMZ=/1

CREATED BY	AL1	ON THE	04/03/2025
REVISOR		ON THE	LAST REVISION



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SK3335.950
TTC30161TT00V000EG
IN/OUT SIGNALS

DRAWING NUMBER		EP25011	EPLAN Electric P8	2025.0.3
CONTROL PANEL		928928	3D REVISION	
&EFS		=ISN	+EC01	

ETHERNET &EFS=ISN/1.6 J6.2:1
ETHERNET &EFS=ISN/1.6 J6.2:2
ETHERNET &EFS=ISN/1.7 J6.2:3
ETHERNET &EFS=ISN/1.7 J6.2:4
ETHERNET &EFS=ISN/1.7 J6.2:5
ETHERNET &EFS=ISN/1.8 J6.2:6
ETHERNET &EFS=ISN/1.8 J6.2:7
ETHERNET &EFS=ISN/1.8 J6.2:8

J7:1
J7:2
J7:3
J7:4
J7:5
J7:6

JCS:1
JCS:2

J6.1:1
J6.1:2
J6.1:3
J6.1:4
J6.1:5
J6.1:6
J6.1:7
J6.1:8

J17:1
J17:2
J17:3
J17:4
J17:5
J17:6

J11:1
J11:2
J11:3
J11:4
J11:5
J11:6

-P1

J2:+SVR
J2:GND
J2:+Vdc

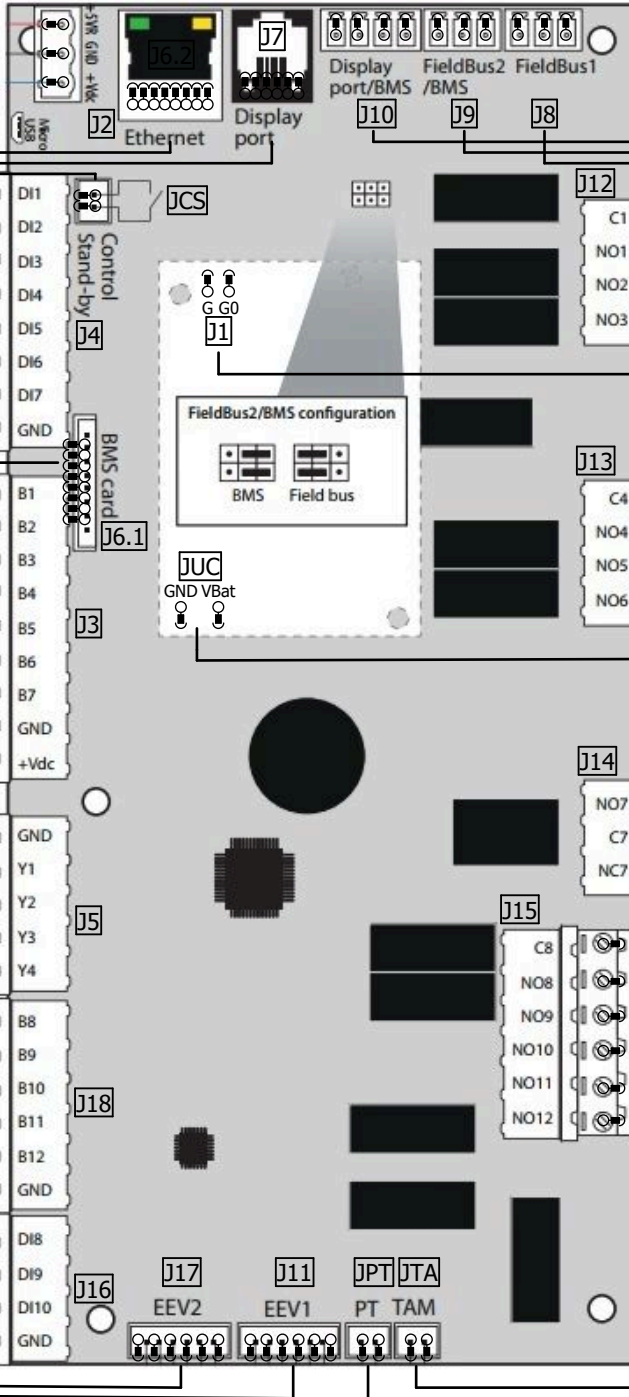
COMPRESSOR OVERLOAD &EFS=AUA/3.2 J4:DI1
FAN OVERLOAD &EFS=AUA/3.3 J4:DI2
PUMP OVERLOAD &EFS=AUA/3.4 J4:DI3
HIGH PRESSURE SWITCH &EFS=AUA/3.5 J4:DI4
LOW PRESSURE SWITCH &EFS=AUA/3.6 J4:DI5
J4:DI6
PHASES ROTATION &EFS=AUA/3.6 J4:DI7
COMMON GND &EFS=AUA/3.2 J4:GND

OUTLET PROBE &EFS=AIN/1.4 J3:B1
AMBIENT PROBE &EFS=AIN/1.5 J3:B2
ANTIFREEZE PROBE &EFS=AIN/1.7 J3:B3
J3:B4
J3:B5
J3:B6
J3:B7
GND &EFS=AIN/1.3 J3:GND
J3:+Vdc

J5:GND
J5:Y1
J5:Y2
J5:Y3
J5:Y4

J18:B8
J18:B9
J18:B10
J18:B11
J18:B12
J18:GND

J16:DI8
J16:DI9
J16:DI10
J16:GND



J10:GND &EFS=AUA/1.6 GND
J10:Rx+/Tx+ &EFS=AUA/1.7 Rx+/Tx+ / BMS
J10:Rx-/Tx- &EFS=AUA/1.6 Rx-/Tx- / BMS
J10:VTerm &EFS=AUA/1.5 VTerm

J9:GND
J9:Rx+/Tx+
J9:Rx-/Tx-
J8:GND
J8:Rx+/Tx+
J8:Rx-/Tx-

J1:G &EFS=AUA/2.2 UPC POWER SUPPLY
J1:G0 &EFS=AUA/2.2 UPC POWER SUPPLY

JUC:GND
JUC:VBat

JTA:1
JTA:2
JPT:1
JPT:2

&EFS=ISN/1

&EMA+/1

CREATED BY AL1 ON THE 04/03/2025

REVISOR ON THE LAST REVISION



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SK3335.950
TTC30161TT00V000EG
UPC OVERVIEW

DRAWING NUMBER EP25011

CONTROL PANEL 928928 3D REVISION

&EMZ

=

+EC01

EPLAN Electric P8

2025.0.3

PAGES COUNTER 10

NUMBER OF PAGES 23

1



TERMINAL STRIP SUMMARY

2LP8_INMORKEL_22

TERMINAL STRIP	FUNCTION TEXT	TERMINALS					TERMINAL BOARD SCHEME PAGE
		FIRST	LAST	SUM OF ALL PE	SUM OF ALL N	TOTAL NUMBER	
+EC01-X2	AUXILIARY TERMINALS BOARD	12	51	0	0	20	&EMA/3



PLUG SUMMARY

2LP8_INCONKEL_22

PLUG DESIGNATION	FUNCTION TEXT	TOTAL NUMBER	SUM OF ALL PE	CURRENT [A]	CONNECTION	IMAGE	GRAPHICS PAGE OF THE PLUG
=PWC+ELM-XS1	POWER SUPPLY PLUG	7	1	35	1,5 ... 6 mm²		&EMA/5
=ISN+ELM-XS2	IN/OUT SIGNALS PLUG	7	1	16	0,75 ... 2,5 mm²		&EMA/6



TERMINAL DIAGRAM

2LP8_SCHMOKE_22

1	=AUA-W7	OIL RESISTANT UR 2X1mm² 1,8m
2	=ISN-W34	OIL RESISTANT UR 7G1mm² 5,4m
3	=AUA-W6	OIL RESISTANT UR 2X1mm² 1,5m
4	=AUA-W8	OIL RESISTANT UR 2X1mm² 1,5m
5	=AUA-W9	3x0,34mm²
6	=AIN-W12	TPE 2x0.34mm²
7	=AIN-W13	TPE 2x0.34mm²
8	=AIN-W14	TPE 2x0.34mm²
9		
10		
11		

FUNCTION TEXT	1	2	3	4	5	6	7	8	9	10	11
GAS VALVE (-)	2										
REMOTE ON/OFF		1									
REMOTE ON/OFF		2									
HIGH PRESSURE SWITCH (+)			1								
LOW PRESSURE SWITCH (-)				1							
WATER LEVEL (-)					BK						
OUTLET PROBE (-)						BK					
AMBIENT PROBE (-)							BK				
ANTIFREEZE PROBE (-)								BK			
HIGH PRESSURE SWITCH (-)			2								
GAS VALVE (+)	1										
LOW PRESSURE SWITCH (+)				2							





+EC01-X2 AUXILIARY TERMINALS BOARD							
EXT DESIGN	CONNECTION	TERMINAL NUMBER	JUMPERS	TERM. CROSS SECTION	LEVEL	INT DESIGN	CONNECTION
=AUA+REF-Y	2	12	,	2,5 mm²	0	=AUA-K1	A2
=ISN+ELM-XS2	1	20	•	2,5 mm²	0	=PWC-F2	2
=ISN+ELM-XS2	2	21	•	2,5 mm²	0		
=AUA+REF-PA		23	•	2,5 mm²	0	-P1	J1:G
=AUA+REF-PB		27	•	2,5 mm²	0	=PWC-KG	11
=AUA+HYD-LE		29	•	2,5 mm²	0		
=AIN+ELM-B1		30	•	2,5 mm²	0	-P1	J3:GND
=AIN+ELM-B2		31	•	2,5 mm²	0		
=AIN+ELM-B3		32	•	2,5 mm²	0		
=AUA+REF-PA		40	,	2,5 mm²	0	=AUA-KA1	A1
=AUA+REF-Y	1	41	,	2,5 mm²	0	=AUA-KA1	31
=AUA+REF-PB		42	,	2,5 mm²	0	-P1	J4:DIS

1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
11	10	9	8	7	6	5	4	3	2	1	PAGE / PATH
											&EFS=AUA/2.8
											&EFS=ISN/1.0
											&EFS=ISN/1.1
											&EFS=AUA/1.2
											&EFS=AUA/3.6
											&EFS=AUA/3.7
											&EFS=AIN/1.4
											&EFS=AIN/1.5
											&EFS=AIN/1.7
											&EFS=AUA/1.2
											&EFS=AUA/2.8
											&EFS=AUA/3.6



2LP8_SCHMOKEK_22

[illegible]

<div>BASE SIDE</div> <div></div>									CABLE NAME	<div></div> <div>PLUG DIAGRAM =ISN+ELM-XS2 IN/OUT SIGNALS PLUG</div>	CABLE NAME	+EC01-W34					<div>HOOD SIDE</div> <div></div>			
	FUNCTION TEXT								CABLE TYPE	TARGET	CONNECTION	PIN PLUG	TARGET	CONNECTION	CABLE TYPE	OIL RESISTANT UR				
REMOTE ON/OFF									+EC01-X2	20	<div>1</div>					1				&EFS+EC01/1.0
REMOTE ON/OFF									+EC01-X2	21	<div>2</div>					2				&EFS+EC01/1.1
COMMON									+EC01-X2	48	<div>3</div>					3				&EFS+EC01/1.2
WARNING SIGNAL									+EC01-X2	49	<div>4</div>					4				&EFS+EC01/1.3
ALARM SIGNAL									+EC01-X2	50	<div>5</div>					5				&EFS+EC01/1.3
TEMPERATURE ALARM									+EC01-X2	51	<div>6</div>					6				&EFS+EC01/1.4
GND									+EC01-GND		<div>PE</div> <div></div>					GNYE				&EFS+EC01/1.5

CABLE OVERVIEW

2LP8_CAVIKEL_22

CABLE NAME	FROM	TO	CABLE TYPE	CORES	CORES USED	CROSS SECTION	LENGHT(OUT CABINET)	LENGHT(TOTAL)	INTERNAL PART NUMBER	PAGE / PATH
=PWC+EC01-W0	=PWC+ELM-XS1	=PWC+EC01-Q0	OIL RESISTANT UR	4G	4	4mm²		6,7m	926261	&EFS=PWC+EC01/1.1
=PWC+EC01-W1	=PWC+REF-M1	=AUA+EC01-K1	OIL RESISTANT UR	4G	4	2,5mm²		2,6m	926168	&EFS=PWC+EC01/1.3
		+EC01-GND								
=PWC+EC01-W2	=PWC+REF-M2	=AUA+EC01-K2	OIL RESISTANT UR	4G	4	1,5mm²		3m	926163	&EFS=PWC+EC01/1.5
		+EC01-GND								
=PWC+EC01-W3	=PWC+HYD-M3	=AUA+EC01-K3	OIL RESISTANT UR	4G	4	1,5mm²		3,4m	926163	&EFS=PWC+EC01/1.7
		+EC01-GND								
=AUA+EC01-W6	+EC01-X2	=AUA+REF-PA	OIL RESISTANT UR	2X	2	1mm²		1,5m	926161	&EFS=AUA+EC01/1.2
=AUA+EC01-W7	+EC01-X2	=AUA+REF-Y	OIL RESISTANT UR	2X	2	1mm²		1,8m	926161	&EFS=AUA+EC01/2.8
=AUA+EC01-W8	+EC01-X2	=AUA+REF-PB	OIL RESISTANT UR	2X	2	1mm²		1,5m	926161	&EFS=AUA+EC01/3.6
=AUA+EC01-W9	+EC01-X2	=AUA+HYD-LE		3	2	0,34mm²				&EFS=AUA+EC01/3.7
=AIN+EC01-W12	+EC01-X2	=AIN+ELM-B1	TPE	2	2	0.34mm²				&EFS=AIN+EC01/1.4
=AIN+EC01-W13	+EC01-X2	=AIN+ELM-B2	TPE	2	2	0.34mm²				&EFS=AIN+EC01/1.5
=AIN+EC01-W14	+EC01-X2	=AIN+ELM-B3	TPE	2	2	0.34mm²				&EFS=AIN+EC01/1.6
=ISN+EC01-W34	+EC01-X2	=ISN+ELM-XS2	OIL RESISTANT UR	7G	7	1mm²		5,4m	926164	&EFS=ISN+EC01/1.0
	+EC01-GND									
=AUA+EC01-W38	+EC01-P1	=AUA+EC01-DS	FLAT TEL	6	4	0,25mm²		3,013m	929160	&EFS=AUA+EC01/1.5




BILL OF PLUGS

2LP8_RICKEL_CONN_22

DESIGNATION	AMOUNT	ARTICLE NUMBER	DESIGNATION	NUMBER OF WAYS	MANUFACTURER	INTERNAL NO	PICTURE
=PWC+ELM-XS1							
POWER SUPPLY PLUG	1 ST	09310062601	Inserts	6	Harting	921716	
=PWC+ELM-XS1							
POWER SUPPLY PLUG	1 ST	09310062701	Inserts		Harting	921661	
=PWC+ELM-XS1							
POWER SUPPLY PLUG	1 ST	19300161271	Hoods/Housings		Harting	907614	
=PWC+ELM-XS1							
POWER SUPPLY PLUG	1 ST	19300161521	Hoods/Housings		Harting	908281	
=ISN+ELM-XS2							
IN/OUT SIGNALS PLUG	1 ST	09330062601	Inserts	6	Harting	921686	
=ISN+ELM-XS2							
IN/OUT SIGNALS PLUG	1 ST	09330062701	Inserts	6	Harting	921722	
=ISN+ELM-XS2							
IN/OUT SIGNALS PLUG	1 ST	19300061290	Hoods/Housings		Harting	915426	
=ISN+ELM-XS2							
IN/OUT SIGNALS PLUG	1 ST	19300061540	Hoods/Housings		Harting	907525	

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REVISOR		ON THE	LAST REVISION



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TTC30161TT00V000EG
BILL OF PLUGS

DRAWING NUMBER	EP25011	EPLAN Electric P8	2025.0.3
CONTROL PANEL	928928	3D REVISION	
&EPC	=	+	1
			18
			23



BILL OF MATERIALS

2LP8_RICKEL_22

DESIGNATION	AMOUNT	LENGTH	ARTICLE NUMBER	DESIGNATION 1	MANUFACTURER	INTERNAL NO	PAGE / PATH
	3	1,997 m	4520004K	H07V-K EMBOSS 1X6 GNYE	LAPP KABEL	928344	&EFS=PWC+EC01/1.1;&EFS=PWC+EC01/1.2
	8	5,136 m	4520013K	H07V-K EMBOSS 1X4 BK	LAPP KABEL	928340	&EFS=PWC+EC01/1.2;&EFS=PWC+EC01/2.2;&EFS=PWC+EC01/2.7
	1	0,820 m	4520003K	H07V-K EMBOSS 1X4 GNYE	LAPP KABEL	928339	&EFS=PWC+EC01/1.1
	2	0,585 m	4520011K	H07V-K EMBOSS 1X1,5 BK	LAPP KABEL	928323	&EFS=PWC+EC01/2.6
	1	1,697 m	4510003K	H05V-K EMBOSS 1X1 GNYE	LAPP KABEL	928313	&EFS=PWC+EC01/2.5
	17	11,164 m	4510043K	H05V-K EMBOSS 1X1 RD	LAPP KABEL	928321	&EFS=AUA+EC01/1.2;&EFS=AUA+EC01/1.6;&EFS=AUA+EC01/2.2...&EFS=AUA+EC01/2.7;&EFS=PWC+EC01/2.6
	1	1,593 m	4520001K	H07V-K EMBOSS 1X1,5 GNYE	LAPP KABEL	928322	&EFS=PWC+EC01/2.6
	13	7,255 m	4510143K	H05V-K EMBOSS 1X1 DBU	LAPP KABEL	928316	&EFS=AUA+EC01/3.2...&EFS=AUA+EC01/3.7
	4	2,813 m	4510053K	H05V-K EMBOSS 1X1 WH	LAPP KABEL	928320	&EFS=AIN+EC01/1.3...&EFS=AIN+EC01/1.5;&EFS=AIN+EC01/1.7
	4	3,294 m	4510093K	H05V-K EMBOSS 1X1 OG	LAPP KABEL	928318	&EFS=ISN+EC01/1.2...&EFS=ISN+EC01/1.4
+ELM-B1	1		NTC030WP00	PROBE NTC, IP68, WIRE 3m, -50/+105°C	CAREL	903060	&EFS=AIN+EC01/1.4
+ELM-B2	1		NTC030WP00	PROBE NTC, IP68, WIRE 3m, -50/+105°C	CAREL	903060	&EFS=AIN+EC01/1.5
+ELM-B3	1		NTC030WP00	PROBE NTC, IP68, WIRE 3m, -50/+105°C	CAREL	903060	&EFS=AIN+EC01/1.7
-DS	1		927206	GR DISPLAY TOUCH BLU-E CHILLER	CAREL	927206	&EFS=AUA+EC01/1.5
-F1	1		5SY6202-7	CIRCUIT BREAKER 6KA 2POL C2	Siemens	906346	&EFS=PWC+EC01/2.6
-F2	1		5SY6104-7	CIRCUIT BREAKER 6KA 1POL C4	Siemens	903661	&EFS=PWC+EC01/2.6
+EC01-GND	26			SCREW TC M5x10 ZN-ST 4.8	---	915741	(AMB1)
+EC01-GND_CB	1			SCREW TC M5x10 ZN-ST 4.8	---	915741	(AMB1)
+EC01-GND_MP	1			SCREW TC M5x10 ZN-ST 4.8	---	915741	(AMB1)
-K1	1		3RT2018-1AB01	CONTACTOR,AC3:7,5KW 1NO AC24V 50/60HZ	Siemens	919997	&EFS=AUA+EC01/2.7
-K1	1		3RA1921-1D	LINK MODULE F.3RV S00/S0, 3RT S00	Siemens	920186	&EFS=AUA+EC01/2.7
-K2	1		3RT2015-1AB01	CONTACTOR,AC3:3KW 1NO AC24V 50/60HZ	Siemens	919835	&EFS=AUA+EC01/2.5
-K2	1		3RA1921-1D	LINK MODULE F.3RV S00/S0, 3RT S00	Siemens	920186	&EFS=AUA+EC01/2.5
-K3	1		3RT2015-1AB01	CONTACTOR,AC3:3KW 1NO AC24V 50/60HZ	Siemens	919835	&EFS=AUA+EC01/2.3
-K3	1		3RA1921-1D	LINK MODULE F.3RV S00/S0, 3RT S00	Siemens	920186	&EFS=AUA+EC01/2.3
-KA1	1		55.34.8.024.0040	MINIATURE GENERAL PURPOSE RELAY, 4 POLE, 7 A - AC (50/60 HZ) - 24 V	Finder	903668	&EFS=AUA+EC01/1.2
-KA1	1		94.74	SOCKET FOR 55.34 RELAY	Finder	903669	&EFS=AUA+EC01/1.2
-KG	1		3UG5511-1AR20	PHASE CONTROL RELAY	Siemens	917383	&EFS=PWC+EC01/2.8



BILL OF MATERIALS

2LP8_RICKEL_22

DESIGNATION	AMOUNT	LENGTH	ARTICLE NUMBER	DESIGNATION 1	MANUFACTURER	INTERNAL NO	PAGE / PATH
-P1	1		UP3B02200TBM0	TERMOREG PROGRAM CAREL UP3B02200TBM0	CAREL	928216	&EMZ+EC01/1.0
-P1	1		UP3CON0M00	TERMOREG ACCESS CAREL UP3CON0M00	CAREL	928217	&EMZ+EC01/1.0
-Q0	1		22003004	MANUALLY OPERATED AND MODULAR MULTIPOLAR LOAD BREAK SWITCHES	SOCOMEK	921975	&EFS=PWC+EC01/1.1
-Q0	1		1473 1111	BLACK KNOB TYPE S00	SOCOMEK	921695	&EFS=PWC+EC01/1.1
-Q0	1		1407 0532	OPERATING SHAFT 320mm	SOCOMEK	911759	&EFS=PWC+EC01/1.1
-Q0	1		2294 3005	3 POLE TERMINALS COVER 16...40	SOCOMEK	921726	&EFS=PWC+EC01/1.1
-Q0	1		2200 9005	GROUND POLE 16...40	SOCOMEK	925147	&EFS=PWC+EC01/1.1
-Q0	2		249-116	Screwless end stop	WAGO	904502	&EFS=PWC+EC01/1.1
-Q1	1		3RV2011-1KA15	CIRCUIT-BREAKER SCREW CONNECTION 12.5A	Siemens	919999	&EFS=PWC+EC01/1.4
-Q2	1		3RV2011-1BA15	CIRCUIT-BREAKER SCREW CONNECTION 2A	Siemens	919993	&EFS=PWC+EC01/1.6
-Q3	1		3RV2011-1CA15	CIRCUIT-BREAKER SCREW CONNECTION 2.5A	Siemens	919426	&EFS=PWC+EC01/1.8
-T1	1		TCN80000200.057	200VA 0-230-400-415-440-460-480/0-24	TECNOCABLAGGI	905560	&EFS=PWC+EC01/2.6
U2	1		J003037	CAR ELECTRICAL ENCLOSURE TTC3	KELVIN	928031	(AMB1)
U3	1		J003039	CAR MOUNTING PLATE QE TTC3	KELVIN	928032	(AMB1)
U4	1	0,235 m	25x80 / 4x6	WIRING DUCT 25x80 PLASTIC 4X6	---	909218	(AMB1)
U5	1	0,235 m	25x80 / 4x6	WIRING DUCT 25x80 PLASTIC 4X6	---	909218	(AMB1)
U6	1	0,355 m	25x80 / 4x6	WIRING DUCT 25x80 PLASTIC 4X6	---	909218	(AMB1)
U7	1	0,313 m	40x80 / 4x6	WIRING DUCT 40x80 PLASTIC 4X6	---	909700	(AMB1)
U8	1	0,395 m	40x80 / 4x6	WIRING DUCT 40x80 PLASTIC 4X6	---	909700	(AMB1)
U9	1	0,220 m	35x7,5	DIN RAIL OMEGA 35x7,5	---	905499	(AMB1)
U10	1			STAND OFFS H Mx F L20 M6 ZN-ST	---	904235	(AMB1)
U11	1			STAND OFFS H Mx F L20 M6 ZN-ST	---	904235	(AMB1)
U12	1			STAND OFFS H Mx F L20 M6 ZN-ST	---	904235	(AMB1)
U13	1			STAND OFFS H Mx F L20 M6 ZN-ST	---	904235	(AMB1)
U14	1	0,235 m	35x7,5	DIN RAIL OMEGA 35x7,5	---	905499	(AMB1)
U15	1			STAND OFFS H Mx F L20 M6 ZN-ST	---	904235	(AMB1)
U16	1			STAND OFFS H Mx F L20 M6 ZN-ST	---	904235	(AMB1)
U17	1	0,355 m	35x7,5	DIN RAIL OMEGA 35x7,5	---	905499	(AMB1)




BILL OF MATERIALS

2LP8_RICKEL_22

DESIGNATION	AMOUNT	LENGTH	ARTICLE NUMBER	DESIGNATION 1	MANUFACTURER	INTERNAL NO	PAGE / PATH
U18	1	0,240 m	35x7,5	DIN RAIL OMEGA 35x7,5	---	905499	(AMB1)
U19	1	0,150 m	35x7,5	DIN RAIL OMEGA 35x7,5	---	905499	(AMB1)
-U21	1		DCK R 82180 15 PA66	DCK R 82180 15 PA66 NT ELEKTROZUBEHOR	---	928020	(AMB1)
-U22	1		DCK R 82180 15 PA66	DCK R 82180 15 PA66 NT ELEKTROZUBEHOR	---	928020	(AMB1)
-U23	1		DCK R 82180 15 PA66	DCK R 82180 15 PA66 NT ELEKTROZUBEHOR	---	928020	(AMB1)
-U24	1		DCK R 82180 15 PA66	DCK R 82180 15 PA66 NT ELEKTROZUBEHOR	---	928020	(AMB1)
+EC01-U80	1			STAND OFFS H Fx F 19x25x5 PE	---	909454	(AMB1)
+EC01-U81	1			STAND OFFS H Fx F 19x25x5 PE	---	909454	(AMB1)
U107	1		2563300	Plastic gland plate	Rittal	2563300	(AMB1)
-V1	1		3RT29161BB00	SURGE SUPPRESSOR, VARISTOR,	Siemens	919432	&EFS=AUA+EC01/2.7
-V2	1		3RT29161BB00	SURGE SUPPRESSOR, VARISTOR,	Siemens	919432	&EFS=AUA+EC01/2.5
-V3	1		3RT29161BB00	SURGE SUPPRESSOR, VARISTOR,	Siemens	919432	&EFS=AUA+EC01/2.4
-W0	1	6,700 m	1119504	4G4mm² OIL RESISTANT UR	---	926261	&EFS=PWC+EC01/1.1
-W1	1	2,600 m		4G2,5mm² OIL RESISTANT UR	---	926168	&EFS=PWC+EC01/1.3
-W2	1	3,000 m		4G1,5mm² OIL RESISTANT UR	---	926163	&EFS=PWC+EC01/1.5
-W3	1	3,400 m		4G1,5mm² OIL RESISTANT UR	---	926163	&EFS=PWC+EC01/1.7
-W6	1	1,500 m		2X1mm² OIL RESISTANT UR	---	926161	&EFS=AUA+EC01/1.2
-W7	1	1,800 m		2X1mm² OIL RESISTANT UR	---	926161	&EFS=AUA+EC01/2.8
-W8	1	1,500 m		2X1mm² OIL RESISTANT UR	---	926161	&EFS=AUA+EC01/3.6
-W34	1	5,400 m	1119207	7G1mm² OIL RESISTANT UR	---	926164	&EFS=ISN+EC01/1.0
-W38	1	3,013 m	929160	CABLE WIRED KRAE-TTC3 DISPLAY TOUCH	---	929160	&EFS=AUA+EC01/1.5
+EC01-W200	1	0,471 m		CU BAR 12X3	---	909453	(AMB1)
-WQD	1		3RV1915-1BB	3-PHASE BUSBARS	Siemens	909357	&EFS=PWC+EC01/1.3
+EC01-X2	5		280-402	Cross-connector for terminal block	WAGO	909228	(AMB1)
-X2	20		280-901	2-conductor through terminal block	WAGO	903680	&EFS=AIN+EC01/1.4;&EFS=AIN+EC01/1.5;&EFS=AIN+EC01/1.7;&EFS=AUA+EC01/1.2;&EFS=AUA+EC01/2.8;&EFS=AUA+EC01/3.6;&EFS=AUA+EC01/3.7;&EFS=ISN+EC01/1.0;&EFS=ISN+EC01/1.2
-X2	2		249-116	Screwless end stop	WAGO	904502	&EFS=AUA+EC01/2.8;&EFS=ISN+EC01/1.4
-X2	1		280-309	End and intermediate plate	WAGO	904525	&EFS=AUA+EC01/2.8
+EC01-Z_MIN_EL	4			SCREW TCB M6x12 ZN-ST	---	903408	&EFS=PWC+EC01/1.8

CREATED BY	AL1	ON THE	04/03/2025
REVISOR		ON THE	LAST REVISION



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BILL OF MATERIAL

RITTAL

GmbH & Co. KG

DRAWING NUMBER	EP25011
CONTROL PANEL	928928
3D REVISION	
&EPC	=
	+

EPLAN Electric P8	2025.0.3
2LP8_RICKEL_22	
PAGES COUNTER	21
NUMBER OF PAGES	23
	4



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DESIGNATION	AMOUNT	LENGTH	ARTICLE NUMBER	DESIGNATION 1	MANUFACTURER	INTERNAL NO	PAGE / PATH
+EC01-Z_MIN_EL	4			SCREW TCB M6x16 ZN-ST 8.8	---	903409	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	20			SCREW TC FLAN 4.2X13	---	922277	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1			SCREW TE M6x16 PG ZN-ST 8.8	---	216955	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	28			WASHER P 5,3-10 ZN-ST	---	903585	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1			WASHER P 6,4-12 ZN-ST	---	200004	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1			WASHER TOOTH 4,3-8 ZN-ST	---	200144	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	27			WASHER TOOTH 5,3-10 ZN-ST	---	200206	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	5			WASHER TOOTH 8,4-15 ZN-ST	---	215852	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	5			NUT E M M8X6,5	---	200016	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	4			WASHER P 8,4-24 ZN-ST	---	903393	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	4			GASKET NYLON PA6.6 D12.5-6.4	---	201320	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	2			SCREW STEI M5x10 PG ZN-ST	---	915261	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1		SIT0A07	LABEL-SUP GENERIC 52X17	3M	907060	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1		SIT0V02	LABEL-SUP GLAS 52X17	3M	907062	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1		SI2K1550W	PRINT-LABEL 50X15 WHITE NO-FIX	3M	907057	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1		TCS95X100BK	SLEEVE HEATSHRINK CEMBRE TCS95X100BK	CEMBRE	904698	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	3		BF-U4	CABLE-TERMINAL FORK CEMBRE BF-U4	CEMBRE	903323	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	2		9037450000	END-SLEVE TWIN CEMBRE PKT110	CEMBRE	909225	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	10		PKT108	END-SLEVE TWIN CEMBRE PKT108	CEMBRE	903346	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1		GF-M4	CABLE-TERMINAL RING CEMBRE GF-M4	CEMBRE	903318	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1		GF-M5	CABLE-TERMINAL RING CEMBRE GF-M5	CEMBRE	903319	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1		GF-M5	CABLE-TERMINAL RING CEMBRE RF-M5	CEMBRE	903313	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	20			CABLE TIE 140 X 3,6 MM	WÜRTH SRL	206597	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	24		SI2KTB5210CW	PRINT-LABEL 10X5 WHITE FRAME-UP	3M	906924	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	8		SI2K40720W	PRINT-LABEL 20X5 WHITE ADHESIVE	3M	909278	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	4		201/10	LABEL-SUP SLEEVE 1,5-2,5 X 10	3M	909280	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	4		SI2K02W/10N	PRINT-LABEL 10X4 WHITE NO-FIX	3M	906481	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	3			ETI FINISH ADHESIVE GROUND	---	200023	&EFS=PWC+EC01/1.8



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DESIGNATION	AMOUNT	LENGTH	ARTICLE NUMBER	DESIGNATION 1	MANUFACTURER	INTERNAL NO	PAGE / PATH
+EC01-Z_MIN_EL	16		SI2KFX0615W	PRINT-LABEL 15X6 WHITE ADHESIVE	3M	909279	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	2		PKT1512	END-SLEVE TWIN CEMBRE PKT1512	CEMBRE	909226	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	6		GF-U4	CABLE-TERMINAL FORK CEMBRE GF-U4	CEMBRE	921698	&EFS=PWC+EC01/1.8
+EC01-Z_MIN_EL	1			WASHER P 8,4-16 ZN-ST	---	200003	&EFS=PWC+EC01/1.8
+EC01-Z_PUNT	25		AS 4050.783	Wire end ferrules loose 4mm² L=12mm	Rittal	4050783	&EFS=PWC+EC01/1.9
+EC01-Z_PUNT	15		AS 4050.733	Wire end ferrules loose 1,5mm² L=8mm	Rittal	4050733	&EFS=PWC+EC01/1.9
+EC01-Z_PUNT	50		AS 4050.732	Wire end ferrules loose 1mm² L=8mm	Rittal	4050732	&EFS=PWC+EC01/1.9
+EC01-Z_PUNT	8		AS 4050.736	Wire end ferrules loose 6mm² L=12mm	Rittal	4050736	&EFS=PWC+EC01/1.9