

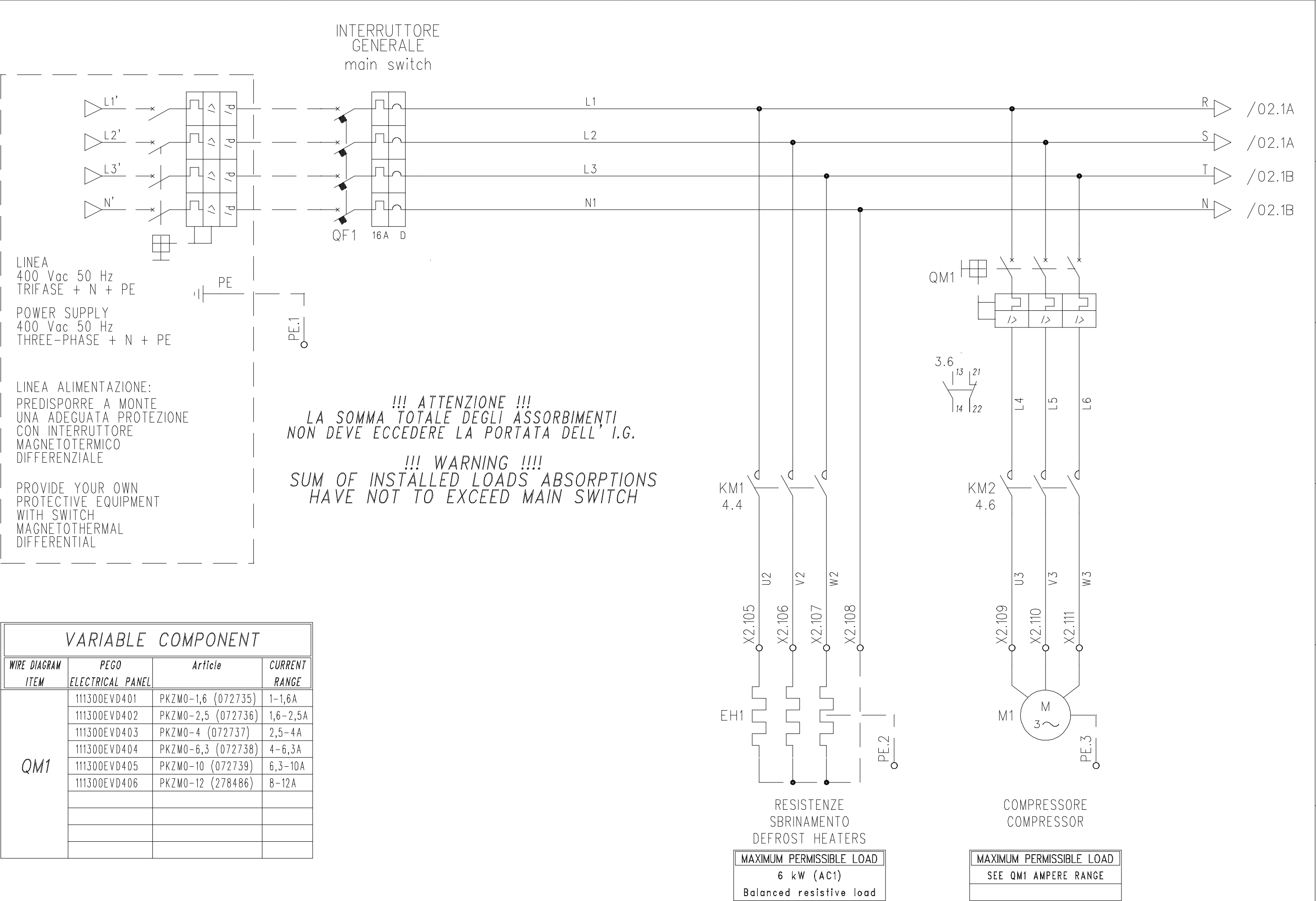


ECP300 EXPERT VD 4

DESIGN				MAIN VOLTAGE 400 Vac 3F+N 50 Hz		STANDARDS CEI 44-6		PROTECTION					
SERIES				CONTROLS VOLTAGE 230 Vac		+ =							
JOB ORDER ECP300 EXPERT VD 4				SIGNALS VOLTAGE 230 Vac									
CUSTOMER QUADRO DI SERIE						ECP300 EXPERT VD 4							
DESIGNED BY CAD/CAE SYSTEM Ver. 29.00													
													
				SIGNATURE									
				DRAWN BY Simone									
				VERIFIED BY Luigi									
				APPROVED BY Alessandro									
						QUADRO DI SERIE							
00	EMISSIONE	15/10/2025	Simone			SHEET 0							
										T.S. 13			
REV.	REVISION DESCRIPTION	DATE	DESIGNER										

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FILE NAME:
111300EVD4.sch





111300EVD4.sch

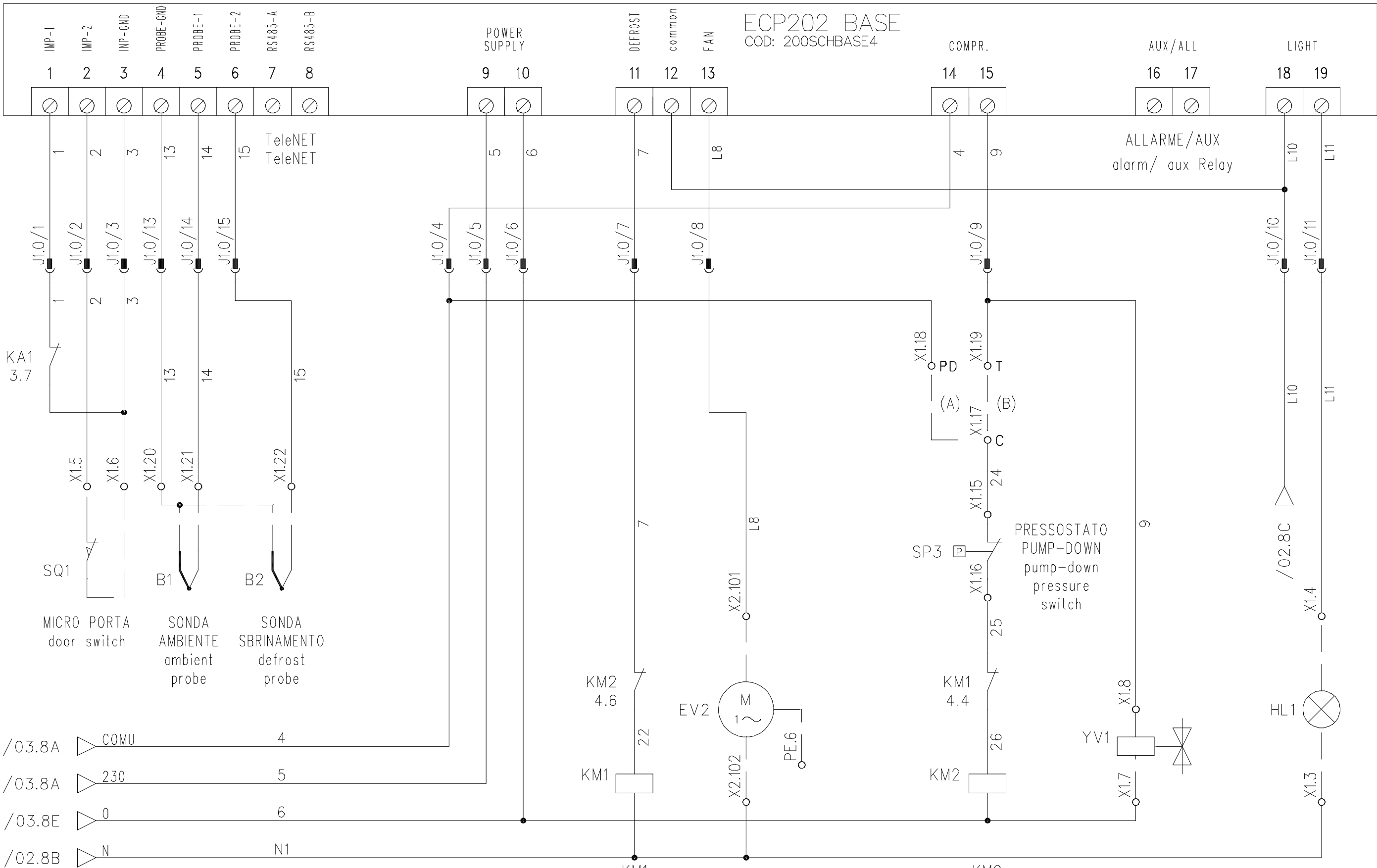
=ECP300 EXPERT VD 4
+
SHEET 2
N.S. 3 | T.S. 13

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FILE NAME:

111300EVD4.sch

DATE	15/10/2025	AUXILIARY CIRCUIT			ECP300 EXPERT VD 4		=ECP300 EXPERT VD 4	
DRAWN BY	Simone						+	
VERIFIED BY	Luigi						SHEET 4	
APPROVED BY	Alessandro	SUBST.:	SUB. FOR:				N.S. 5	T.S.13



SELEZIONE FUNZIONAMENTO:
functioning mode selection

PONTE (A) : FUNZIONAMENTO CON PUMP-DOWN
jump (A): pump-down mode selection

PONTE (B) : FUNZIONAMENTO CON TERMOSTATO
jump (A): thermostat mode selection

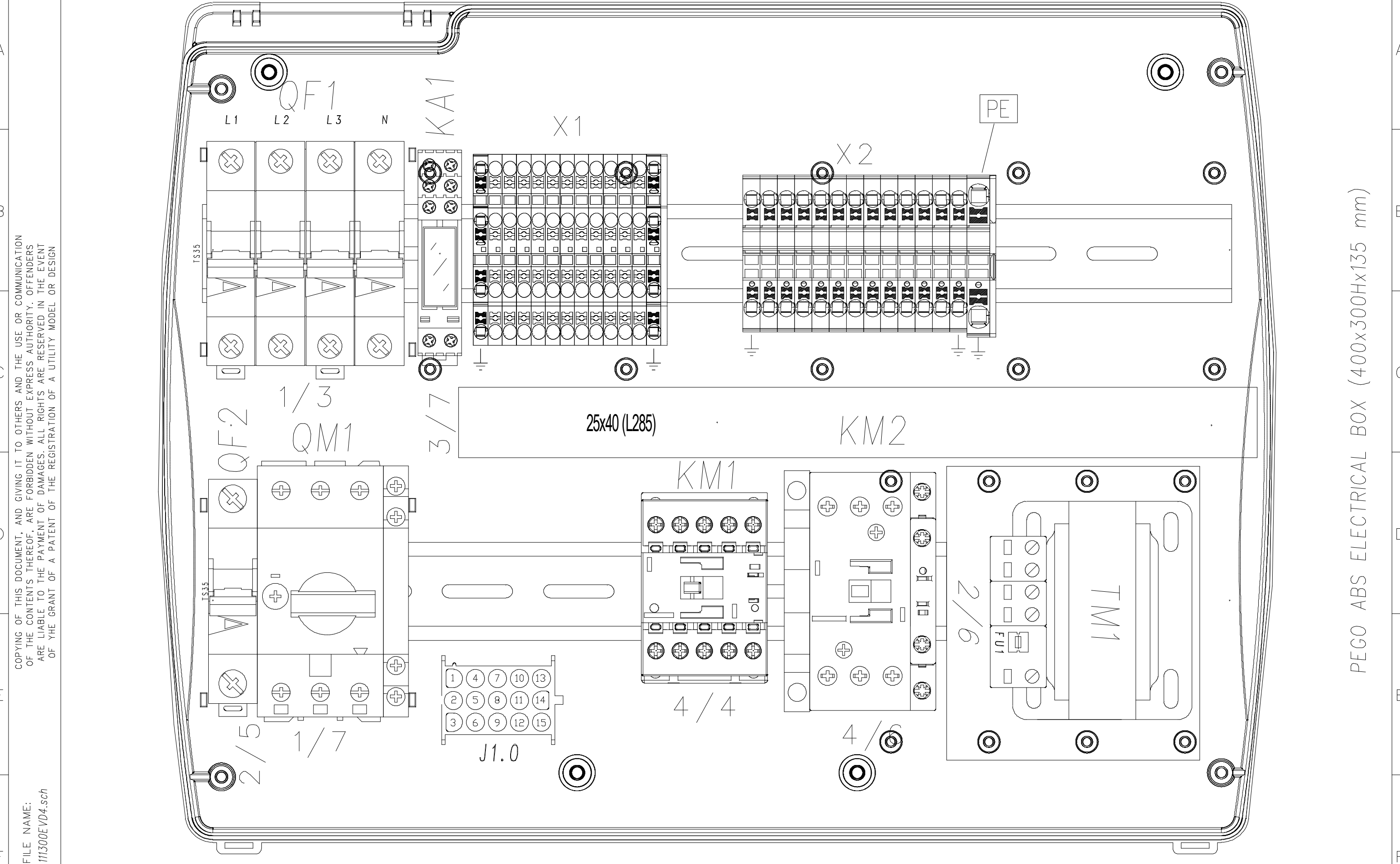
MAXIMUM PERMISSIBLE LOAD
I Max 2,7A

MAXIMUM PERMISSIBLE LOAD
10W

MAXIMUM PERMISSIBLE LOAD
800 W (AC1)

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FILE NAME:
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PEGO ABS ELECTRICAL BOX (400x300Hx135 mm)

A

B

C

D

E

F

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FILE NAME:
11300EVD4.sch

COMPONENTE DESIGNATION	CODICE COSTRUTTORE MANUFACTURER CODE	CODICE ARTICOLO PRIMARY CODE	COSTRUTTORE MANUFACTURER	DESCRIZIONE ARTICOLO ITEM DESCRIPTION	PAGINA PAGE	RIF. REF.
KA1	40.52.8.230.0000	REL4052	FINDER	MINI RELÈ 2 CONTATTI IN SCAMBIO 230Vac 8A MINIRELAY FINDER 230Vac 2 CONTACTS 8A	3	7
1	95.75	ZOC9575	FINDER	ZOCCOLO RELÈ PER SERIE 40.52 SOCKET RELAY 40.52 SERIES		
KM1	DILM9-01 230V50/60Hz	CONDILM9-01 230V	EATON	CONTATTORE 4kW 1NC 230V 50/60HZ CONTACTOR 4kW 1NC 230V 50/60HZ	4	4
KM2	DILM17-01 230V50/60Hz	CONDILM17-01 230V	EATON	CONTATTORE 7.5kW 1NC 230V 50/60HZ CONTACTOR 7.5kW 1NC 230V 50/60HZ	4	6
KM2 (#1)	DILM32-XHI11-S	CAUDILM32-XHI11-S= SX	EATON	CONTATTI LATERALI 1NO+1NC PER DILM17.38 ADDITIONAL CONTACTS LATERAL 1NO+1NC FOR DILM17.38	4	6
PE	3210596	MORPTTB2.5-PE	PHOENIX-CONTACT	MORSETTO DOPPIO PTTB 2.5-PE PUSH-IN CLAMP DOUBLE PTTB 2.5-PE PUSH-IN	PE-001	3
PE (#1)	3211634	MORD-PTTB2.5	PHOENIX-CONTACT	PARETINA PER MORSETTO DOPPIO PTTB 2.5 PUSH-IN END COVER FOR DOUBLE-LEVEL SPRING-CAGE TERMINAL BLOCK PTTB 2.5 PUSH-IN	PE-001	3
PE/1	3211766	MORPT4-PE	PHOENIX-CONTACT	MORSETTO PT 4-PE PUSH-IN CLAMP PT 4-PE PUSH-IN	PE-001	3
PE/2	3211822	MORPT6-PE	PHOENIX-CONTACT	MORSETTO PT 6-PE PUSH-IN CLAMP PT 6-PE PUSH-IN	PE-001	3
PE/2 (#1)	3212044	MORD-PT6	PHOENIX-CONTACT	PARETINA PER MORSETTO PT 6 PUSH-IN END COVER FOR SPRING-CAGE TERMINAL BLOCK PT 6 PUSH-IN	PE-001	3
QF1	FAZ-D16/4	MTEFAZ-D16/4	EATON	INTERRUTTORE MAGNETOTERMICO 16A D 4 POLI CIRCUIT BREAKER 16A D 4 POLES	1	3
QF2	FAZ-D10/1	MTEFAZ-D10/1	EATON	INTERRUTTORE MAGNETOTERMICO 10A D 1 POLO CIRCUIT BREAKER 10A D 1 POLE	2	4
QM1	PKZM0-x	RELPKZM0-x	EATON	VEDI TABELLA COMPONENTI VARIABILI AL FOGLIO 1 SEE TABLE OF VARIABLE COMPONENTS IN SHEET 1	1	7
QM1 (#1)	NHI11-PKZ0	CAUNHI11-PKZ0	EATON	CONTATTI FRONTALI 1NO+1NC PER PKZM0 ADDITIONAL FRONTAL CONTACTS 1NO+1NC FOR PKZM0	1	7
TM1	TRA50	TRA50	TECNOCABLAGGI	TRASFORMATORE 50VA I° 230-400V - II° 230V TRANSFORMER 50VA I° 230-400V - II° 230V	2	6
X1/2	3210567	MORPTTB2.5	PHOENIX-CONTACT	MORSETTO DOPPIO PTTB 2.5 PUSH-IN CLAMP DOUBLE PTTB 2.5 PUSH-IN	X1-001	6
X2/1	3211757	MORPT4	PHOENIX-CONTACT	MORSETTO PT 4 PUSH-IN CLAMP PT 4 PUSH-IN	X2-001	3

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FILE NAME: 11300EVD4.sch
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DATE	15/10/2025	RIEPILOGO CONNETTORE AMP 15 PIN FEMMINA	
DRAWN BY	Simone		
VERIFIED BY	Luigi		
APPROVED BY	Alessandro		
		SUBST.:	SUB. FOR:



ECP300 EXPERT VD 4

=ECP300 EXPERT VD 4
+
SHEET J1-001
N.S. PE-001 T.S.13

J1.0

CONNETTORE FEMMINA 15 PIN
FEMALE CONNECTOR 15 PIN

RIFERIMENTO
PER PIN 1
REFERENCE
FOR PIN 1

N° PIN
PIN No.

N° PIN
PIN No.

INSERIRE IL
PUNTALE A CRIMPARE
FEMMINA
INSERT
FEMALE
CRIMP TERMINAL

LATO
INTERNO
QUADRO
INTERNAL
SIDE PANEL

RETRO
CONNETTORE
BACK
SIZE

RIFERIMENTO
PER PIN 1
REFERENCE
FOR PIN 1

N° FILO
WIRE No.

N° PIN
PIN No.

N° FILO
WIRE No.

CONNETTORE AMP FEMMINA 15 PIN
15 PIN FEMALE AMP CONNECTOR

PIN No. PIN No.	Num. FILO WIRE No.	DESCRIZIONE DESCRIPTION	Pag./Rif. Page/Ref.
↓ PIN 1	1	SICUREZZE COMPRESSORE COMPRESSOR SAFETY DEVICES	4.1
↓ PIN 2	2	MICRO PORTA DOOR SWITCH	4.1
↓ PIN 3	3	COMUNE INGRESSI DIGITALI DIGITAL INPUT COMMON	4.1
↓ PIN 4	4	COMUNE COMPRESSORE COMPRESSOR COMMON	4.3
↓ PIN 5	5	ALIMENTAZIONE CONTROLLO 230Vac CONTROL UNIT POWER SUPPLY 230Vac	4.3
↓ PIN 6	6	ALIMENTAZIONE CONTROLLO 0Vac CONTROL UNIT POWER SUPPLY 0Vac	4.4
↓ PIN 7	7	USCITA SBRINAMENTO DEFROST OUTPUT	4.4
↓ PIN 8	L8	USCITA VENTILATORI EVAPORATORE EVAPORATOR FANS OUTPUT	4.5
↓ PIN 9	9	USCITA COMPRESSORE COMPRESSOR OUTPUT	4.6
↓ PIN 10	L10	COMUNE LUCE CELLA DOOR SWITCH COMMON	4.8
↓ PIN 11	L11	USCITA LUCE CELLA DOOR SWITCH OUTPUT	4.8
↓ PIN 12			
↓ PIN 13	13	COMUNE SONDE COMMON PROBES	4.2
↓ PIN 14	14	SONDA AMBIENTE AMBIENT PROBE	4.2
↓ PIN 15	15	SONDA SBRINAMENTO DEFROST PROBE	4.2

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DATE	15/10/2025	RIEPILOGO MORSETTI	
DRAWN BY	Simone		
VERIFIED BY	Luigi		
APPROVED BY	Alessandro	SUBST.:	SUB. FOR:



ECP300 EXPERT VD 4

=ECP300 EXPERT VD 4	
+	
SHEET X1-1	
N.S. X1-001	T.S. 13

Terminal block X1

MORSETTI DOPPI
double terminal block

- PONTE
bridge
- PIANO SUPERIORE MORSETTIERA
high level terminal block
- PIANO INFERIORE MORSETTIERA
low level terminal block

ATTENZIONE:
ponticellare i morsetti 11 e 12 se non è presente la protezione kriwan.
Ponticellare i morsetti 13 e 14 se non è presente il pressostato alta/bassa pressione.
Lasciare liberi i morsetti 5 e 6 se non è presente il micro porta.

WARNING:
Put a bridge between clamp 11 and 12 if Kriwan protection is not present.
Put a bridge between clamp 13 and 14 if high low pressure switch protection is not present.
Leave free the clamp 5 and 6 if door switch is not present

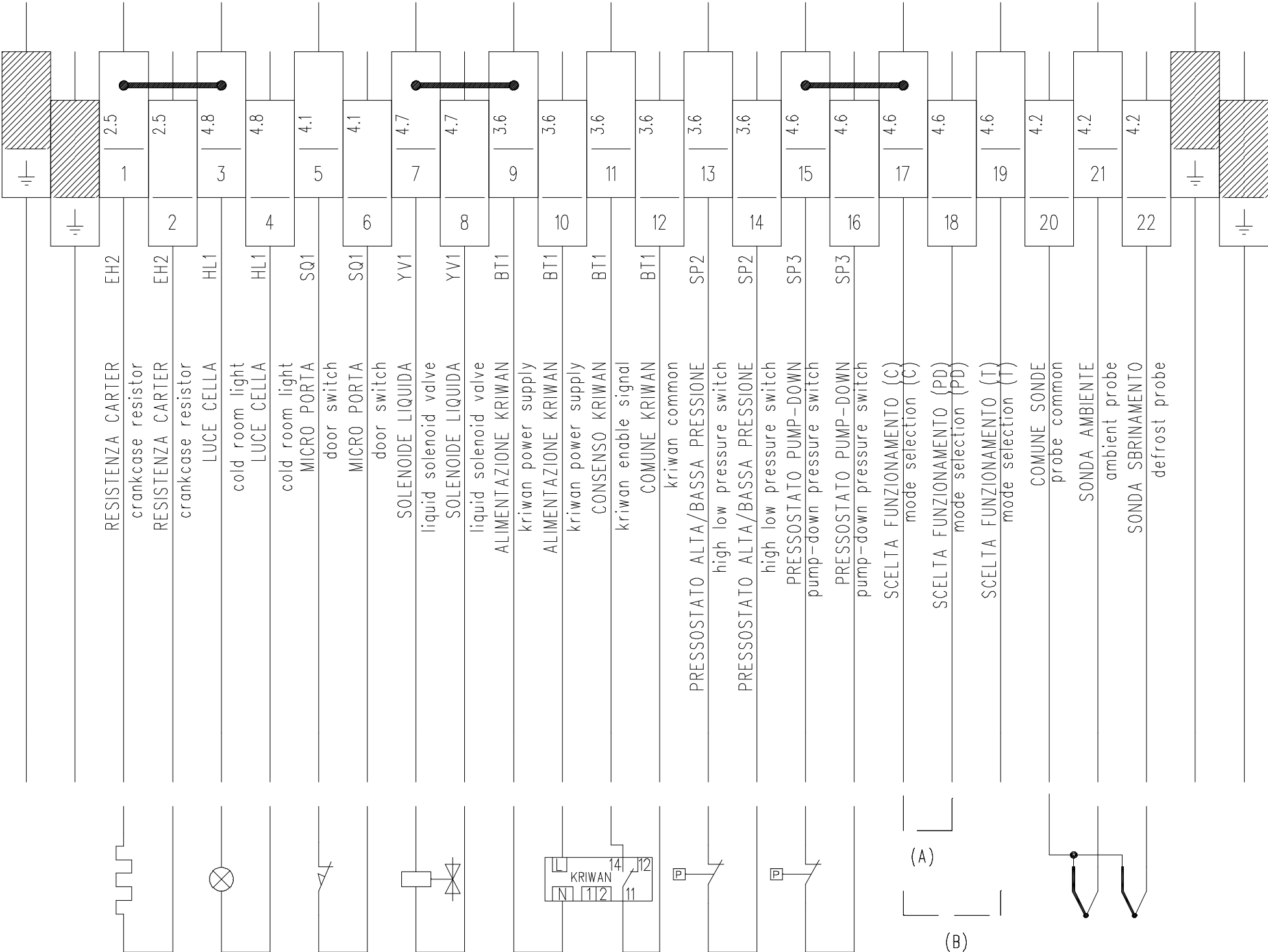
MAXIMUM PERMISSIBLE LOAD
200 W (AC)

MAXIMUM PERMISSIBLE LOAD
800 W (AC)

MAXIMUM PERMISSIBLE LOAD
10W

MAXIMUM PERMISSIBLE LOAD
3VA

FUNCTIONING MODE SELECTION
jump (A): pump-down mode selection
jump (B): thermostat mode selection



1	2	3	4	5	6	7	8
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