



ECP300 EXPERT VD3LIGHT

DESIGN				MAIN VOLTAGE 400 Vac 3F+N 50 Hz		STANDARDS CEI 44-6		PROTECTION					
SERIES				CONTROLS VOLTAGE 230 Vac		+ =							
JOB ORDER ECP300_EXPERT_VD3LIGHT				SIGNALS VOLTAGE 230 Vac									
CUSTOMER QUADRO DI SERIE						ECP300 EXPERT VD 3 LIGHT							
DESIGNED BY CAD/CAE SYSTEM Ver. 29.00													
													
				SIGNATURE									
				DRAWN BY Simone									
				VERIFIED BY Luca									
				APPROVED BY Alessandro									
						QUADRO DI SERIE		SHEET 0					
00	EMISSIONE	13/10/2025	Simone					T.S. 12					
REV.	REVISION DESCRIPTION	DATE	DESIGNER										

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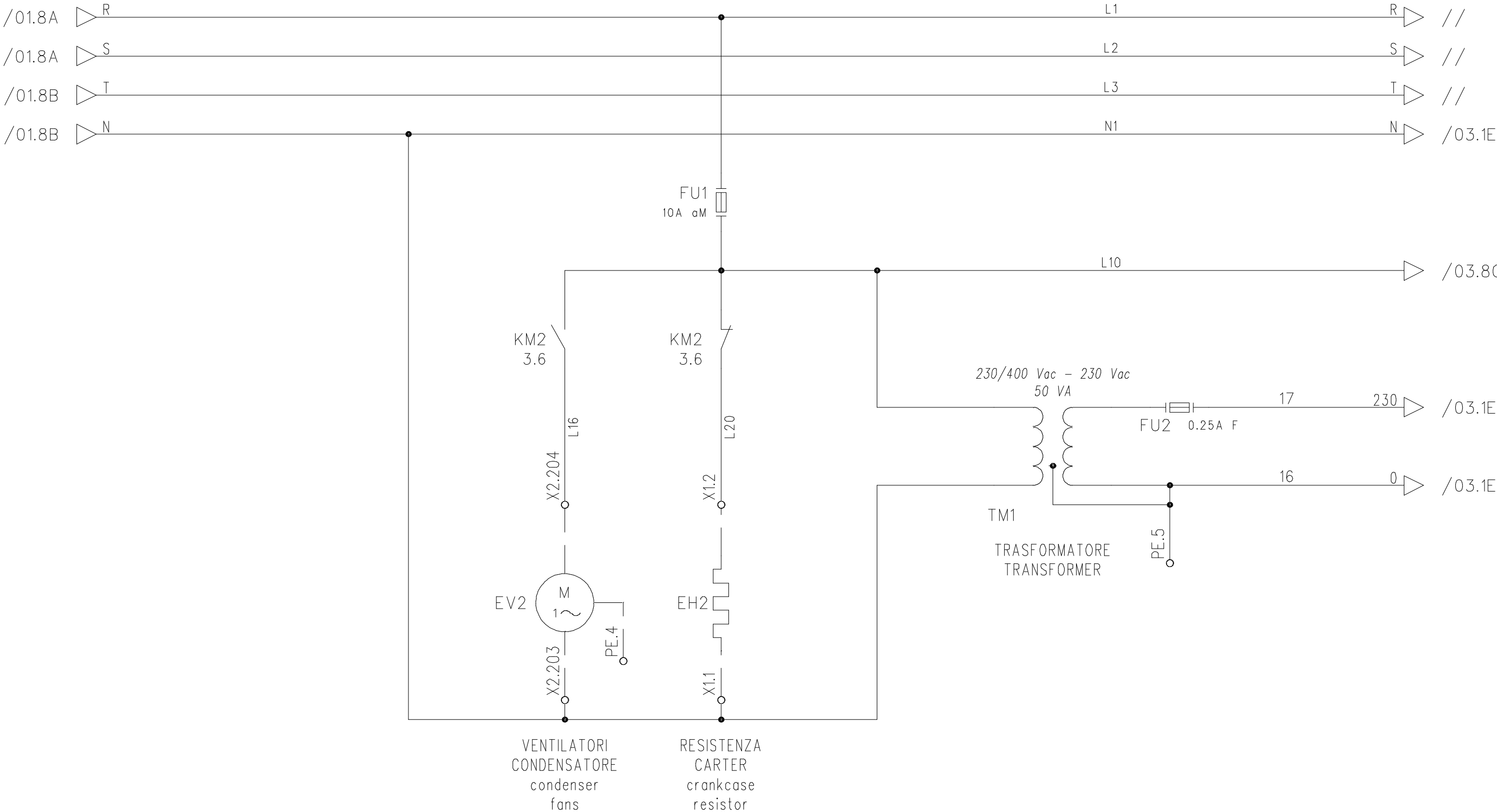
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FILE NAME:
111300EVD3.sch

DATE	13/10/2025	VARIOUS POWER SUPPLIES						ECP300 EXPERT VD 3 LIGHT		=ECP300_EXPERT_VD3LIGHT	
DRAWN BY	Simone									+	
VERIFIED BY	Luca									SHEET 2	
APPROVED BY	Alessandro	SUBST.:	SUB. FOR:							N.S. 3	T.S. 12



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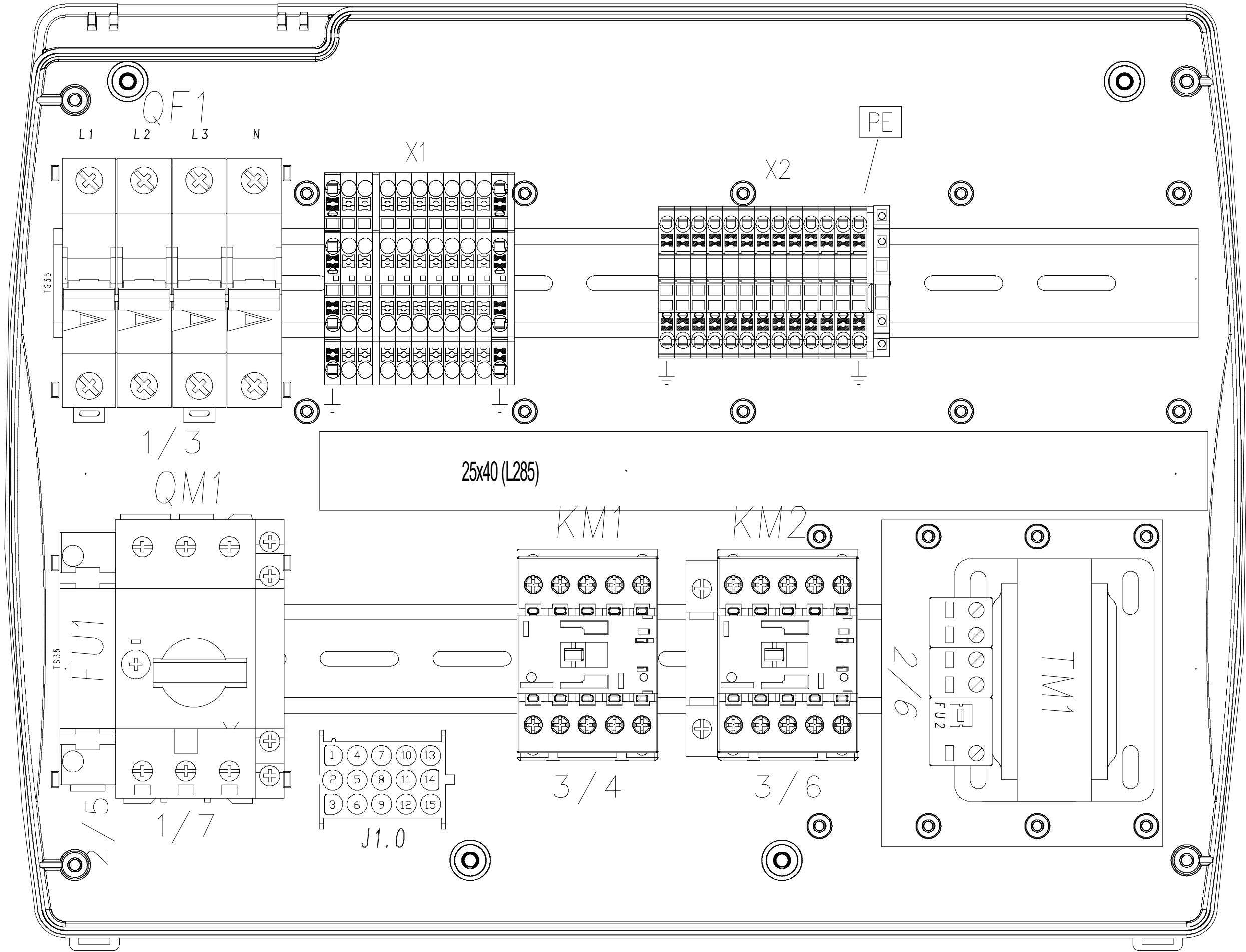
=ECP300_EXPERT_VD3LIGHT	
+	
SHEET 3	
N.S. 4	T.S. 12



FILE NAME: 11300EVD3.sch

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DATE	13/10/2025	LAYOUT			ECP300 EXPERT VD 3 LIGHT	=ECP300_EXPERT_VD3LIGHT	
DRAWN BY	Simone					+	
VERIFIED BY	Luca					SHEET 4	
APPROVED BY	Alessandro	SUBST.:	SUB. FOR:			N.S. DB-01	T.S. 12



PEGO ABS ELECTRICAL BOX (400x300Hx135 mm)

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FILE NAME:
11300EVD3.sch

COMPONENTE DESIGNATION	CODICE COSTRUTTORE MANUFACTURER CODE	CODICE ARTICOLO PRIMARY CODE	COSTRUTTORE MANUFACTURER	DESCRIZIONE ARTICOLO ITEM DESCRIPTION	PAGINA PAGE	RIF. REF.
FU1	3NW7013	PFU3NW7013	SIEMENS	BASE SEZIONATORE UNIPOLARE PER FUSIBILI 10x38 32A 1P <i>FUSE HOLD 10x38 32A 1P</i>	2	5
FU1 (#1)	3NW8003-1	FUS10M10X38	SIEMENS	FUSIBILE CILINDRICO 10x38 500V 10A aM <i>Cylindrical fuse link 10x38 mm 10 A aM Un AC: 500 V</i>	2	5
KM1	DILM9-10 230V50/60Hz	CONDILM9-10 230V	EATON	CONTATTORE 4kW 1NA 230V 50/60HZ <i>CONTACTOR 4kW 1NO 230V 50/60HZ</i>	3	4
KM2	DILM12-10 230V50/60Hz	CONDILM12-10 230V	EATON	CONTATTORE 5.5kW 1NA 230V 50/60HZ <i>CONTACTOR 5.5kW 1NO 230V 50/60HZ</i>	3	6
KM2 (#1)	DILA-XHI01-S	CAUDILA-XHI01-S	EATON	CONTATTI LATERALI 1NC PER DILM7.15 <i>ADDITIONAL CONTACTS LATERAL 1NC FOR DILM7...15</i>	3	6
PE	3209536	MORPT2.5-PE	PHOENIX-CONTACT	MORSETTO PT 2.5-PE PUSH-IN <i>CLAMP PT 2.5-PE PUSH-IN</i>	PE-001	3
PE (#1)	3022276	MORCLIP35-5	PHOENIX-CONTACT	BLOCCAMORSETTO CLAMP <i>END CLAMP - CLIPFIX35-5</i>	PE-001	3
PE (#2)	3030417	MORDST2.5	PHOENIX-CONTACT	PARETINA PER MORSETTO CLAMP ST2.5/PT2.5 <i>END COVER D-ST2.5_PT2.5</i>	PE-001	3
PE/1	3210596	MORPTTB2.5-PE	PHOENIX-CONTACT	MORSETTO DOPPIO PTTB 2.5-PE PUSH-IN <i>CLAMP DOUBLE PTTB 2.5-PE PUSH-IN</i>	PE-001	3
PE/1 (#1)	3211634	MORD-PTTB2.5	PHOENIX-CONTACT	PARETINA PER MORSETTO DOPPIO PTTB 2.5 PUSH-IN <i>END COVER FOR DOUBLE-LEVEL SPRING-CAGE TERMINAL BLOCK PTTB 2.5 PUSH-IN</i>	PE-001	3
QF1	FAZ-D16/4	MTEFAZ-D16/4	EATON	INTERRUTTORE MAGNETOTERMICO 16A D 4 POLI <i>CIRCUIT BREAKER 16A D 4 POLES</i>	1	3
QM1	PKZM0-x	RELPKZM0-x	EATON	VEDI TABELLA COMPONENTI VARIABILI AL FOGLIO 1 <i>SEE TABLE OF VARIABLE COMPONENTS IN SHEET 1</i>	1	7
QM1 (#1)	NHI11-PKZ0	CAUNHI11-PKZ0	EATON	CONTATTI FRONTALI 1NO+1NC PER PKZM0 <i>ADDITIONAL FRONTAL CONTACTS 1NO+1NC FOR PKZM0</i>	1	7
TM1	TRA50	TRA50	TECNOCABLAGGI	TRASFORMATORE 50VA I° 230-400V - II° 230V <i>TRANSFORMER 50VA I° 230-400V - II° 230V</i>	2	6
X1	2774017	MORUKK5	PHOENIX-CONTACT	MORSETTO DOPPIO 4mm <i>CLAMP DOUBLE 4mm</i>	X1-1	6
X1/1	3210567	MORPTTB2.5	PHOENIX-CONTACT	MORSETTO DOPPIO PTTB 2.5 PUSH-IN <i>CLAMP DOUBLE PTTB 2.5 PUSH-IN</i>	X1-001	5
X2	3044102	MORUK5N	PHOENIX-CONTACT	MORSETTO UT4 <i>CLAMP UT4</i>	X2-1	6
X2/1	3209510	MORPT2.5	PHOENIX-CONTACT	MORSETTO PT 2.5 PUSH-IN <i>CLAMP PT 2.5 PUSH-IN</i>	X2-001	3

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FILE NAME:
111300EVD3.sch

DATE	13/10/2025	RIEPILOGO CONNETTORE AMP 15 PIN FEMMINA	
DRAWN BY	Simone		
VERIFIED BY	Luca		
APPROVED BY	Alessandro	SUBST.:	SUB. FOR:



ECP300 EXPERT VD 3 LIGHT

=ECP300_EXPERT_VD3LIGHT
+
SHEET J1-001
N.S. PE-001 T.S.12

CONNETTORE AMP FEMMINA 15 PIN

PIN No. PIN No.	Num. FILO WIRE No.	DESCRIZIONE DESCRIPTION	Pag./Rif. Page/Ref.
↓ PIN 1	1	BLOCCO TERMICO COMPRESSORE THERMAL ALARM COMPRESSOR	3.1
↓ PIN 2	2	MICRO PORTA DOOR SWITCH	3.1
↓ PIN 3	3	COMUNE INGRESSI DIGITALI DIGITAL INPUT COMMON	3.1
↓ PIN 4	18	COMUNE COMPRESSORE COMPRESSOR COMMON	3.3
↓ PIN 5	17	ALIMENTAZIONE CONTROLLO 230Vac CONTROL UNIT POWER SUPPLY 230Vac	3.3
↓ PIN 6	16	ALIMENTAZIONE CONTROLLO 0Vac CONTROL UNIT POWER SUPPLY 0Vac	3.4
↓ PIN 7	L7	USCITA SBRINAMENTO DEFROST OUTPUT	3.4
↓ PIN 8	L8	USCITA VENTILATORI EVAPORATORE EVAPORATOR FANS OUTPUT	3.5
↓ PIN 9	19	USCITA COMPRESSORE COMPRESSOR OUTPUT	3.6
↓ PIN 10	L10	COMUNE LUCE CELLA DOOR SWITCH COMMON	3.8
↓ PIN 11	L11	USCITA LUCE CELLA DOOR SWITCH OUTPUT	3.8
↓ PIN 12			
↓ PIN 13	13	COMUNE SONDE COMMON PROBES	3.2
↓ PIN 14	14	SONDA AMBIENTE AMBIENT PROBE	3.2
↓ PIN 15	15	SONDA SBRINAMENTO DEFROST PROBE	3.2

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 CRIMPAR
FEMMINA
INSERT
FEMALE
CRIMP TERMINAL

RETRO
CONNETTORE
BACK
SIZE

RIFERIMENTO
PER PIN 1
REFERENCE
FOR PIN 1

N° FILO
WIRE No.

N° PIN
PIN No.

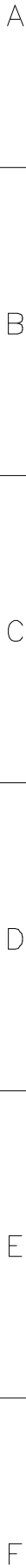
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Terminal block X2

