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Order data

Serial number / Type **UMT (WG) T**

Model **UMT (/WG) T 030/045/067 MTDX**

Description **[UMT T] condensing unit**

Plant

Electrical wiring diagram

Draft nr. **0691065 - 0691065WG**

Creation date: **C.D. 09/11/16** Check: **C.D. 09/11/16** Approved: **M.B.**

Rev.	Descr.	Data, Date	Visa
08	ELCTRICAL DATA CHANGED, ADDED ELECTRICAL HEATING TERMINALS	18-04-18	C.D.
09	SERIAL LINE ROUTE CHANGED, MINOR WIRING CHANGES, WATER VERSION DATA ADDED	07-01-19	C.D.
10	DIGITAL INPUT AND OUTPUT ADDED FROM CONTROLLER TO X20	21-02-19	C.D.
11	ADDED SAUTER 3 WAY VALVE MANAGEMENT	27-03-19	C.D.

Electrical data

Rated load amp. RLA (A) **PAG. 2 (**)** Dimensions (LxHxD) **CUBO 2 SMART**

Starting current (A) **PAG. 2** Degree of protection (IP/IK) **IP54 / IK10**

Starting current (A) **PAG. 2** Reference norms **IEC EN 61439-2 IEC EN 60204-1**

Icc/Icw (kA) **Icw(0,3sec) = 10kA**

Rated impulse withstand voltage Uimp **2,5kV-CAT II**

Power supply line. **230V/1Ph+N+PE/50Hz**

Aux command line (V) **230 Vac**

Signal line (V) **230 Vac 24 Vdc**

Electronic controllers **pRACK HECU CAREL**

Components brand **Schneider Electric**
SIEMENS
EATON

****)** Dato da utilizzare per il dimensionamento della linea di alim.
 To be used for supply line sizing
 Pour être utilisé pour le dimensionnement de la ligne d'alimentation
 Zur Dimensionierung der Elt.-Zuleitung verwendbar.

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Dessinateur - Zeichner	
Visto - Checked by	C.D.
Vu - Kontrolle	
Approvato - Approved	M.B.
Apprové - Genehmigt	



Modello - Model - Modelle - Maschine typ - bezeichnung
UMT T 030/045/067 MTDX

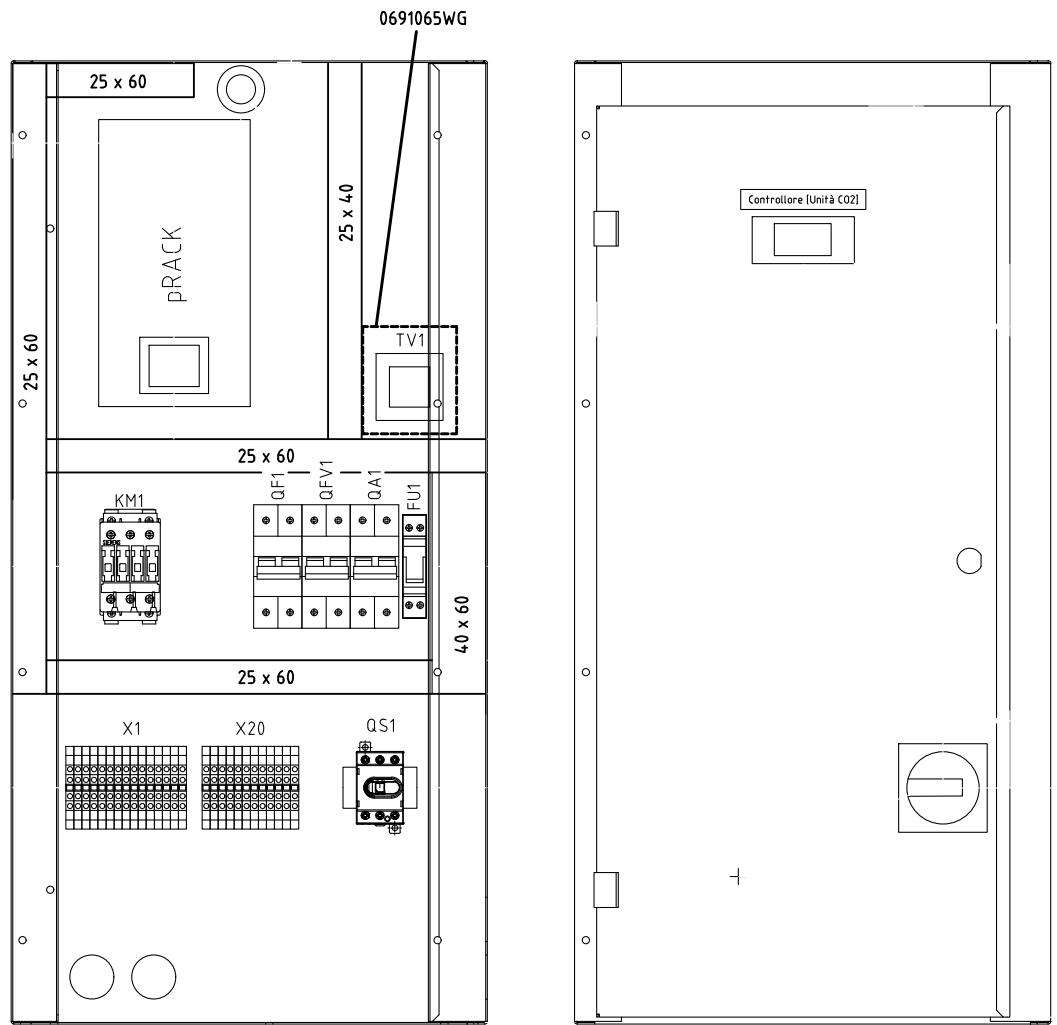
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DATI DATA

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Electrical data

	MRA (A)	Pmax (W)
UMT T 030 MT DX	11,6	2460W
UMT T 045 MT DX	16,1	3500W
UMT T 067 MT DX	23,1	5110W
UMT WG T 030 MT DX	9,4	2115W
UMT WG T 045 MT DX	13,9	3155W
UMT WG T 067 MT DX	20.9	4765W



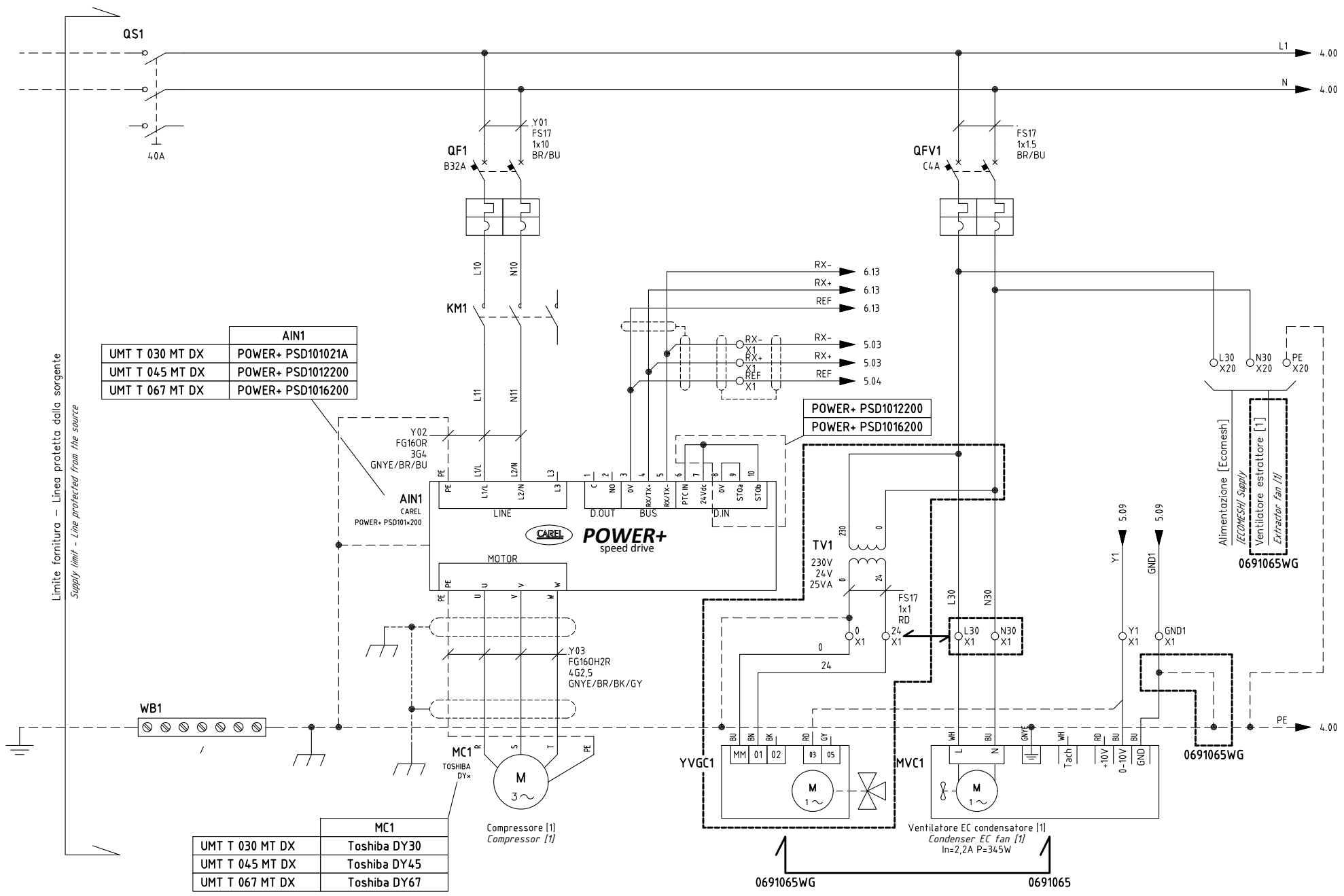
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LAYOUT QUADRO ELETTRICO
PANEL LAYOUT

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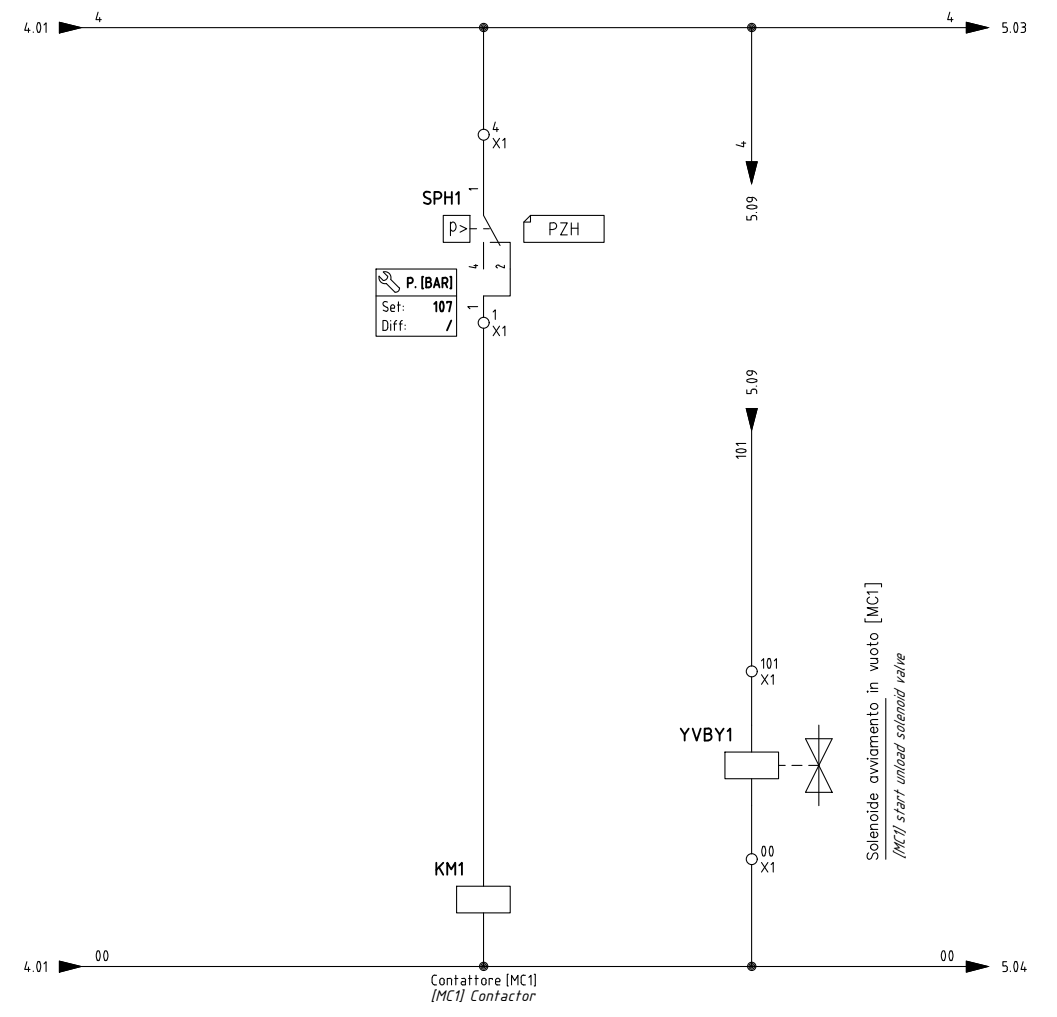
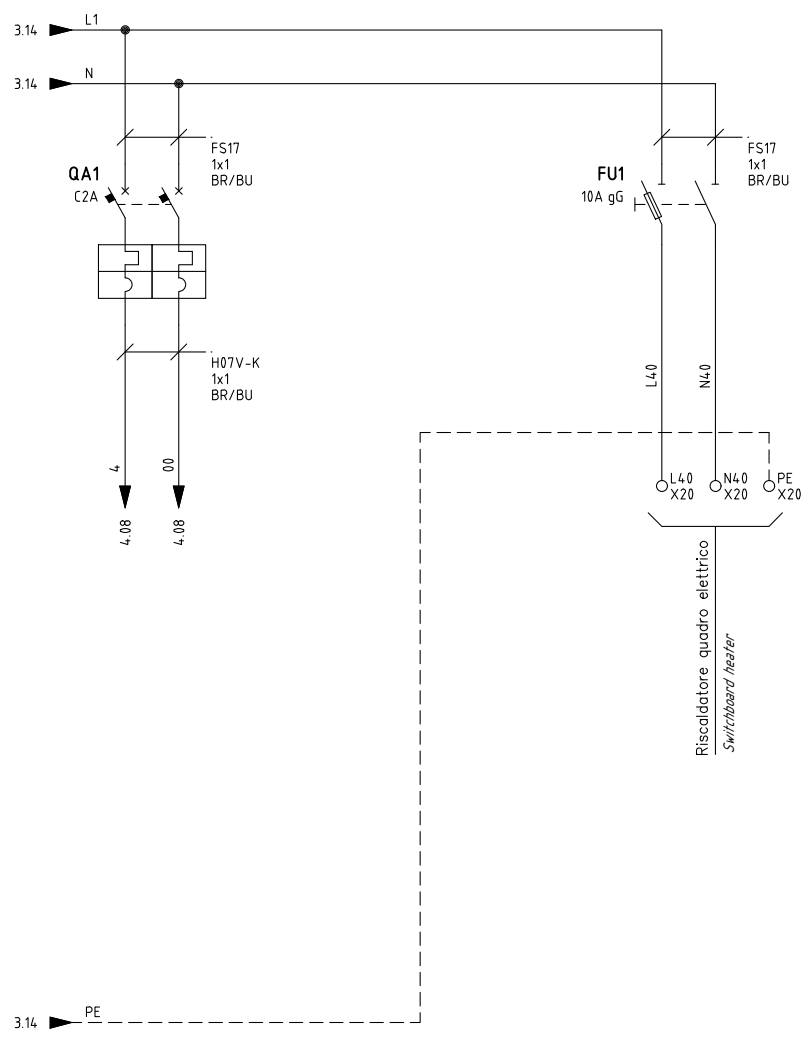


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LINEA DI ALIMENTAZIONE
POWER SUPPLY LINE

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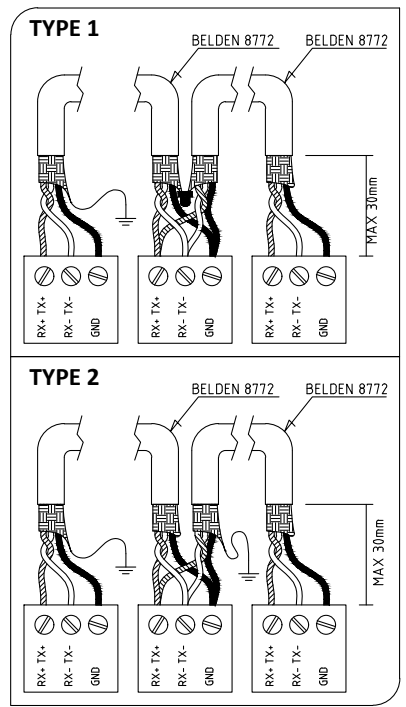
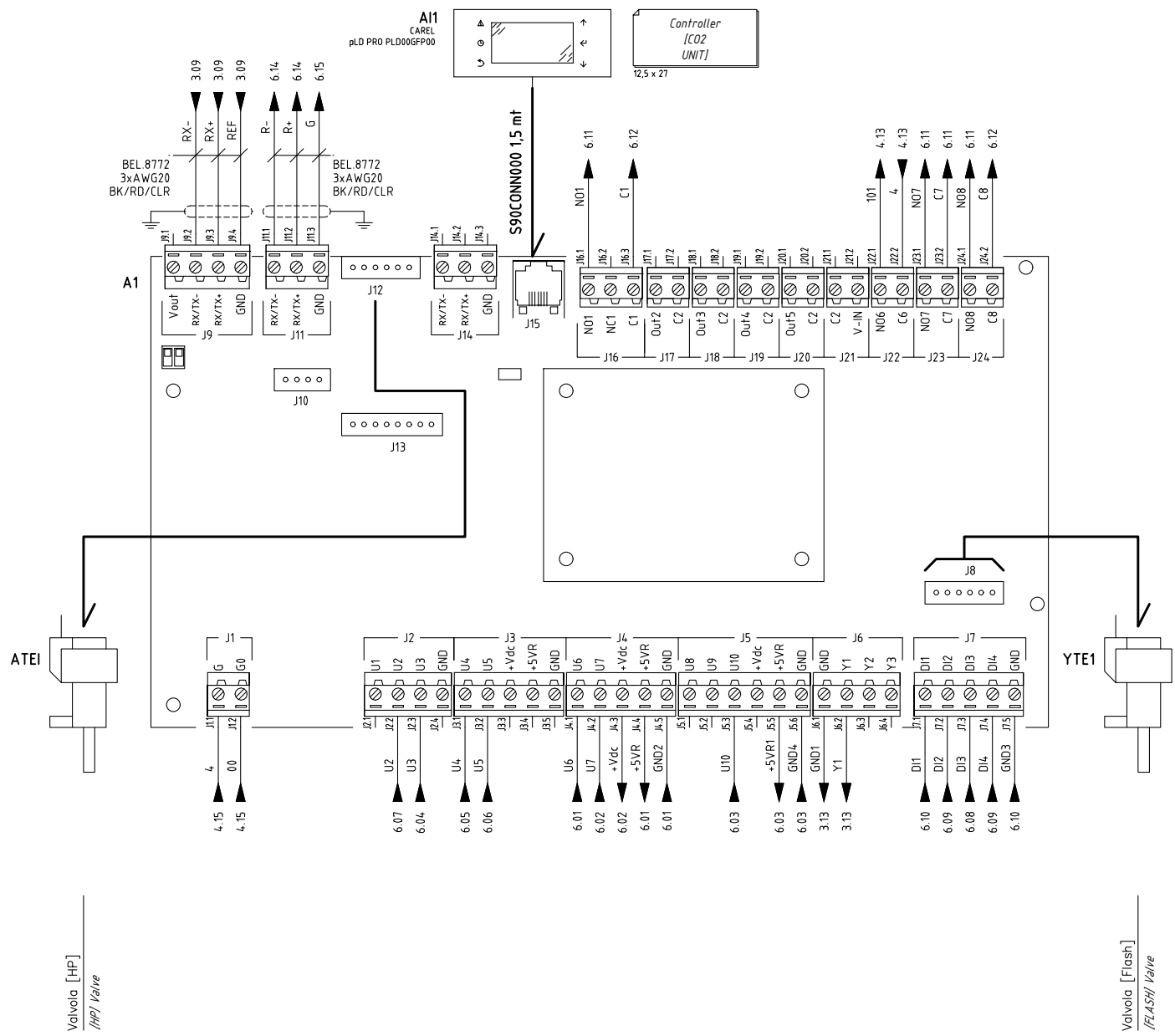
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Descrizione pagina - Page description - Description de la page - Seite Beschreibung	COMPRESSORE [1] Compressor [1]

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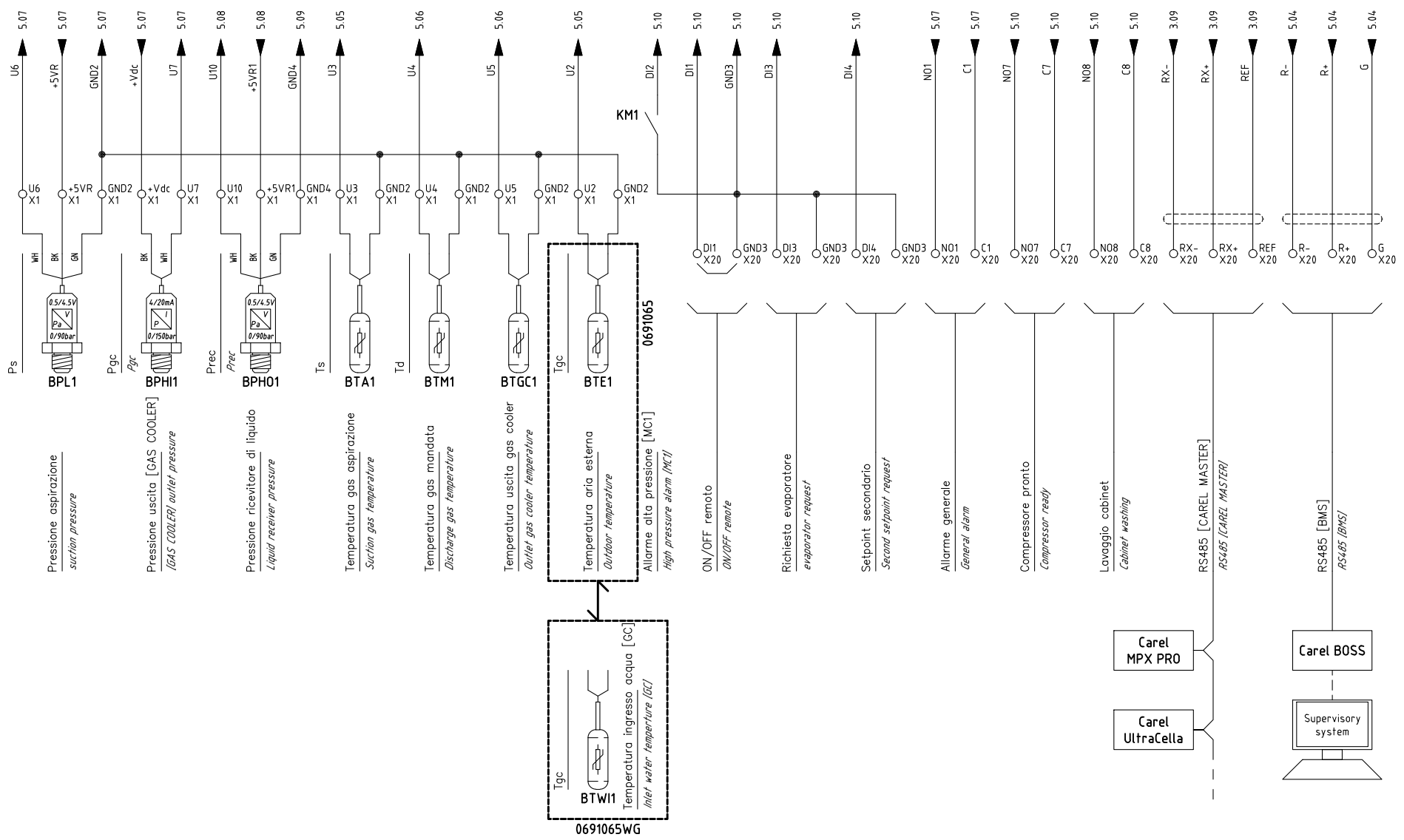


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**CONTROLLORE ELETTRONICO [PRACT]
 [PRACT] ELECTRONIC CONTROLLER**

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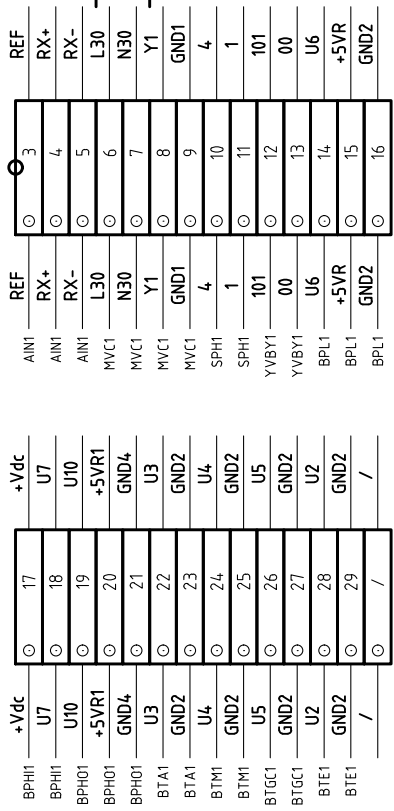


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CONTROLLORE ELETTRONICO [DRACK]
[PRACK] ELECTRONIC CONTROLLER

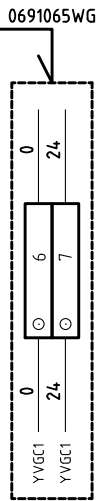
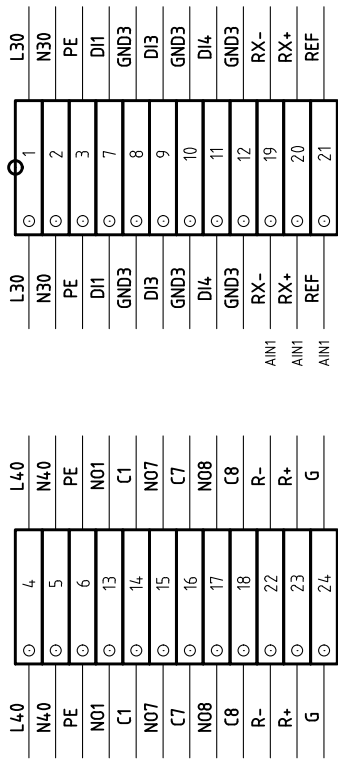
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=06 - X1



=06 - X20



0691065

0691065WG

**Legenda Morsettiera - Terminal Legend -
Légende Bornier**

X1	Compressor [1]
X20	User terminals

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Descrizione pagina-Page description-Description de la page-Seite Beschreibung	MORSETTIERA TERMINALS

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Nome/Nom/Item	Tipo/Type	Cost./Marque/Brand	Descrizione	Description/Description/Beschreibung	Fg/Fi/Sh	Loc
A1	pRACK HECU CO2 230V	CAREL	Controllore [pRACK HECU]	Controller [PRACK HECU]	5	=QG
AI1	pLD PRO PLD00GFP00	CAREL	Interfaccia utente [pLD]	User interface [PLD]	5	=QG
AIN1	POWER+ PSD101x200	CAREL	Inverter [MC1]	Inverter [MC1]	3	=BM
ATEI	E2V-UNI	CAREL	Valvola elettronica [HP]	Electronic valve [HP]	5	=BM
BPHI1	SPKT00D8C0 4/20mA 0/150 bar	CAREL	Trasduttore di pressione [4/20mA]	Pressure probe [4/20MA]	6	=BM
BPH01	SPKT00L1S0 0,5/4,5V 0/90 bar	CAREL	Trasduttore di pressione [0-5V]	Pressure probe [0-5V]	6	=BM
BPL1	SPKT00L1S0 0,5/4,5V 0/90 bar	CAREL	Trasduttore di pressione [0-5V]	Pressure probe [0-5V]	6	=BM
BTA1	NTC-WH	CAREL	Sonda di temperatura [NTC]	Temperature probe [NTC]	6	=BM
BTE1	NTC-WH	CAREL	Sonda di temperatura [NTC]	Temperature probe [NTC]	6	=BM
BTGC1	NTC-HF	CAREL	Sonda di temperatura [NTC]	Temperature probe [NTC]	6	=BM
BTM1	NTC-HT	CAREL	Sonda di temperatura [NTC-HT]	Temperature probe [NTC-HT]	6	=BM
BTWI1	NTC-WH	CAREL	Sonda di temperatura [NTC]	Temperature probe [NTC]	6	=BM
FU1	NBCH 1x38	Italweber	Fusibile [HT]	Fuse [HT]	4	=QG
KM1	DILM1710	EATON	Contattore [MC1]	[MC1] Contactor	4	=QG
MC1	DYx	TOSHIBA	Compressore [1]	Compressor [1]	3	=BM
MVC1	A3G500-AD01-58	EBM PAPST	Ventilatore EC condensatore [1]	Condenser EC fan [1]	3	=BM
QA1	PLS6-C2/2 242868	EATON	Interruttore magnetotermico [AUX 230V]	Automatic circuit breaker [AUX 230V]	4	=QG
QF1	FAZ6-B32/2 239091	EATON	Interruttore magnetotermico [AIN1]	Automatic circuit breaker [AIN1]	3	=QG
QFV1	PLS6-C4/2 242872	EATON	Interruttore magnetotermico [MVC1]	Automatic circuit breaker [MVC1]	3	=QG
QS1	SIRCO M 40A 2200 3004	SOCOMEK	Interruttore sezionatore	Load break switch	3	=QG
SPH1	CCB-2VB04W110 AUTO	Danfoss	Pressostato alta pressione [MC1]	High pressure switch [MC1]	4	=BM
TV1	TM1324461	BOTTER	Trasformatore linea ausiliaria [24Vac]	Transformer auxiliary line [24VAC]	3	=QG
WB1	/	/	Barra distribuzione di terra	Ground distribution bar	3	=QG
YTE1	E2V-UNI	CAREL	Valvola elettronica [Flash gas]	Electronic valve [FLASH GAS]	5	=BM
YVBY1	GSR	/	Solenoide avviamento in vuoto [MC1]	[MC1] start unload solenoid valve	4	=BM
YVGC1	AKM1x5SF132	SAUTER	Valvola 3 vie [GC]	[GC] 3 way valve	3	=BM

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LISTA COMPONENTI
COMPONENTS LIST

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