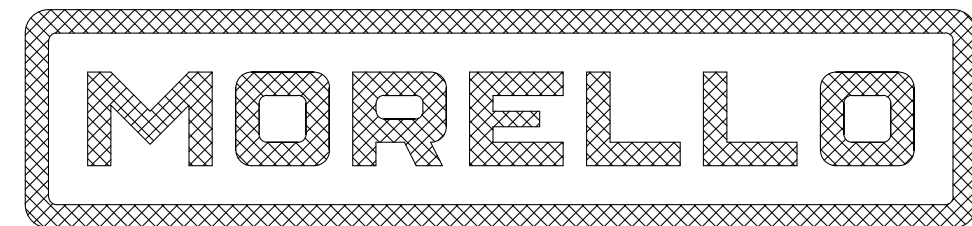


wiring diagram:

Self-propelled trolley

Series: SGAE VC R 25/2



MORELLO S.R.L.

MATERIAL HANDLING TECHNOLOGY SINCE 1946



customer:

POSTEL GROUP TX USA

n. order:

2761

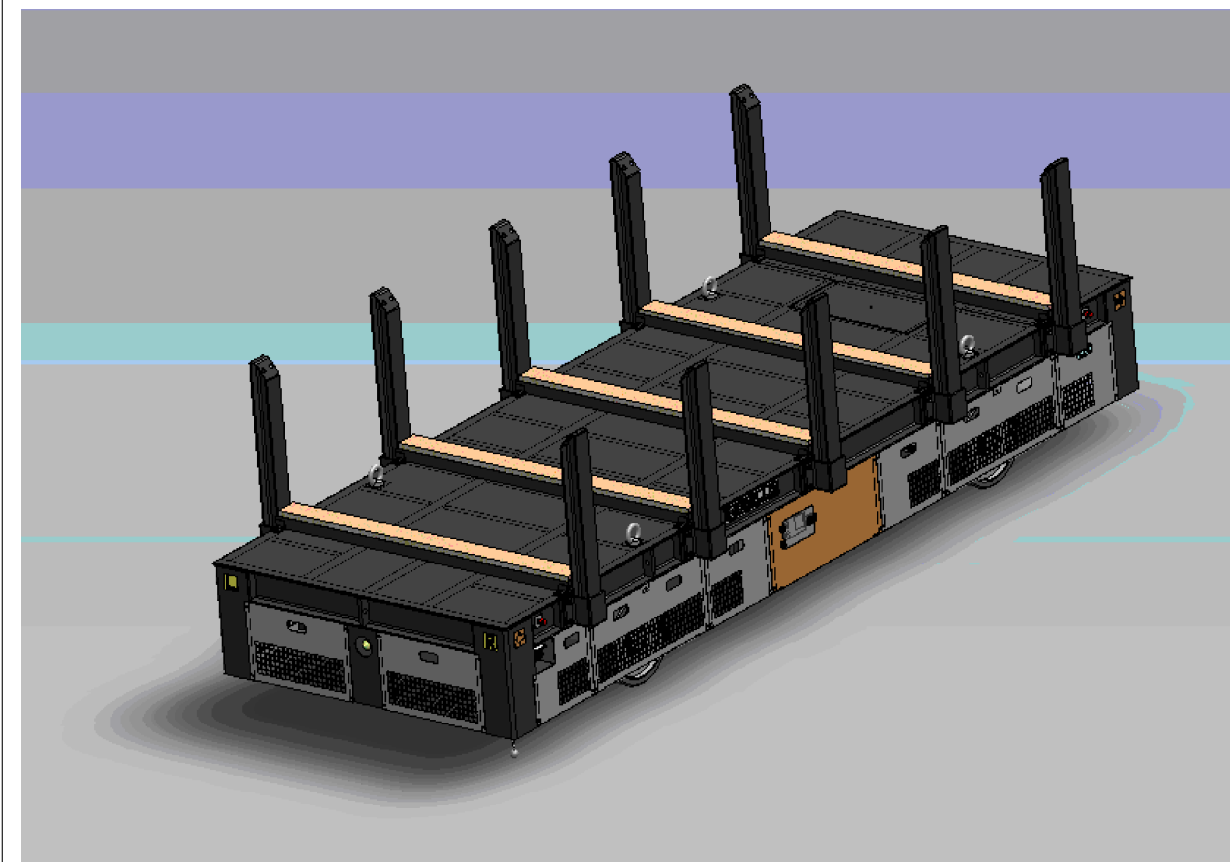
specifications:

USA

Certification: UL
Feeding: 80V
Control voltage: 24V
Operating Temperature: 0°C...+40°C

Scope: 25t
Axles and wheels: 2 axles / 2 steering axles / 2 drive wheels 2 idle wheels

Securities: 4 x red mushroom emergency stop buttons
2 yellow flashers and 1 beeper
1 Clacson
2 steering sensors 1 steering encoder
2 negative brakes in traction motors



01	as built and translation	08/07/26	R.G.
REV.	MODIFICA	DATA	FIRMA

COMMESSA M2761

POSTEL GROUP TX USA



DATA 08/07/2026
DOC.Nr. M2761_1
FILE M2761_REV1_IT
DISEGN. R.G.
APPR.

DOCUMENTO SGAE VC R 25/2
COPERTINA
cover

SCALA	Fogli Totali
	49
Foglio	Foglio Seguento
1	1A

CE STANDARD

CE STANDARD

green-yellow (gnye):

All conductors not marked for 24V DC: 0.5 mm² / blue

Protective conductor

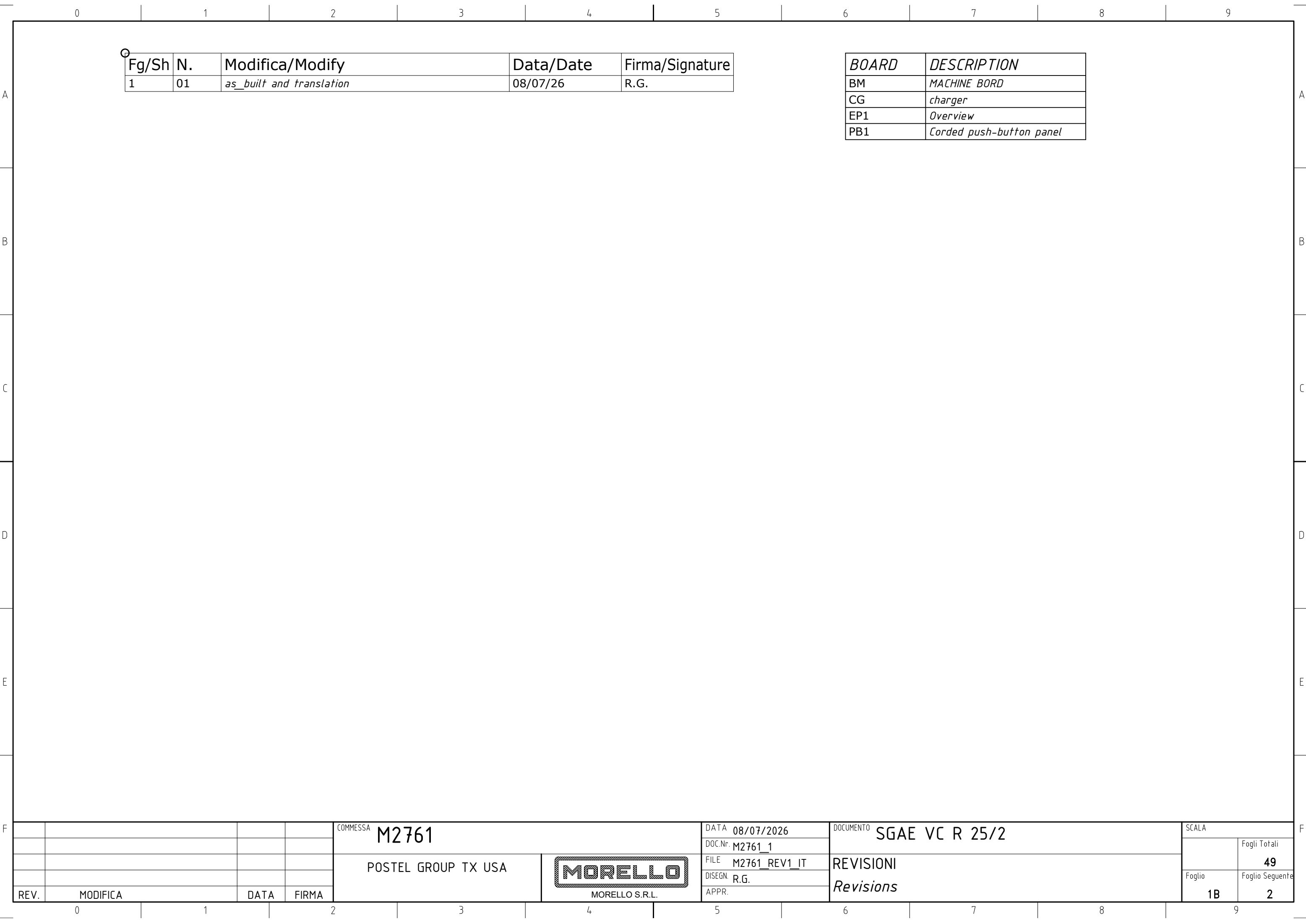
Green/Yellow (GN/YE):

All conductors not marked for 24V DC: 20AWG

Protective conductor

Screen: (SH)

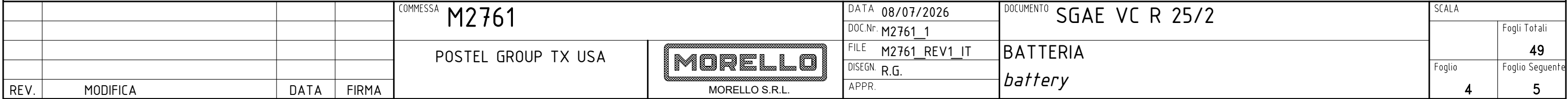
				COMMESSA	M2761	DATA	08/07/2026	DOCUMENTO	SGAE VC R 25/2	SCALA	
						DOC.Nr.	M2761_1				Fogli Totali
				POSTEL GROUP TX USA		FILE	M2761_REV1_IT	NORMATIVE COLORAZIONI CONDUTTORI			49
						DISEGN.	R.G.	Guide Staining Regulations		Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			APPR.				1A	1B
						 MORELLO S.R.L.					

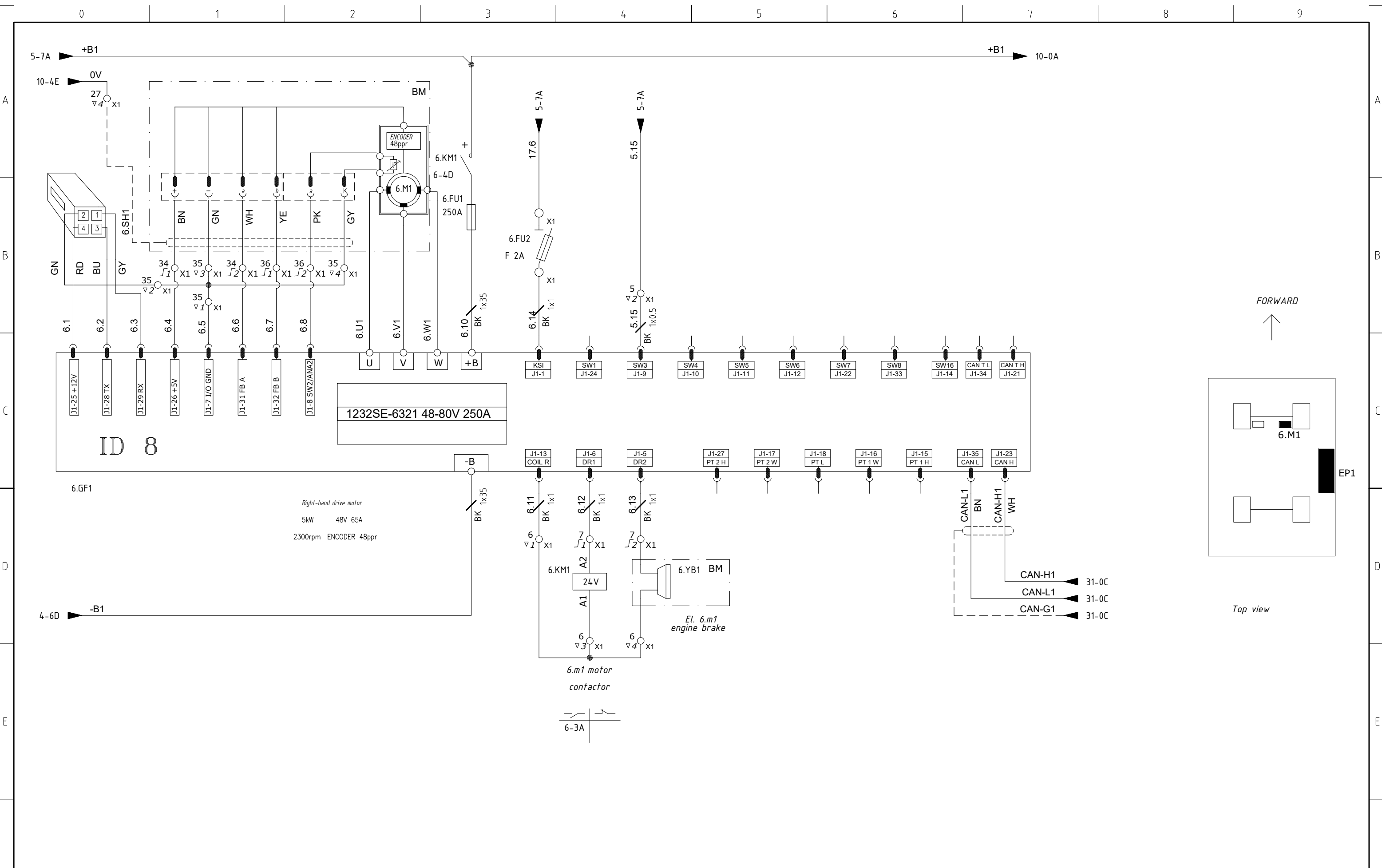


Fg/Sh	N.	Modifica/Modify	Data/Date	Firma/Signature
1	01	as_built and translation	08/07/26	R.G.

BOARD	DESCRIPTION
BM	MACHINE BORD
CG	charger
EP1	Overview
PB1	Corded push-button panel

				COMMESSA M2761	DATA 08/07/2026 DOC.Nr. M2761_1 FILE M2761_REV1_IT DISEGN. R.G. APPR.	DOCUMENTO SGAE VC R 25/2 REVISIONI <i>Revisions</i>	SCALA	
								Fogli Totali 49
							Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA				1B	2

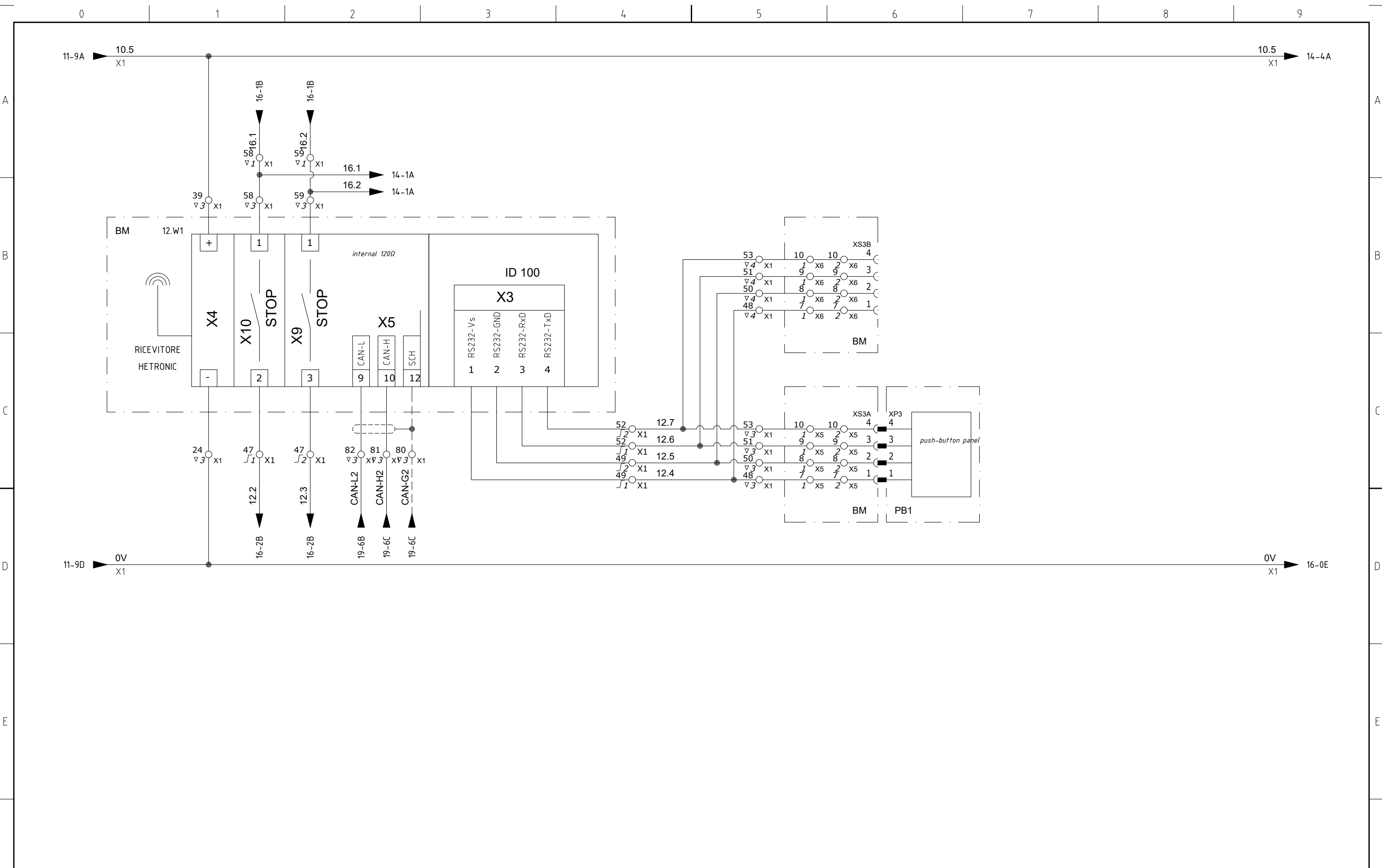




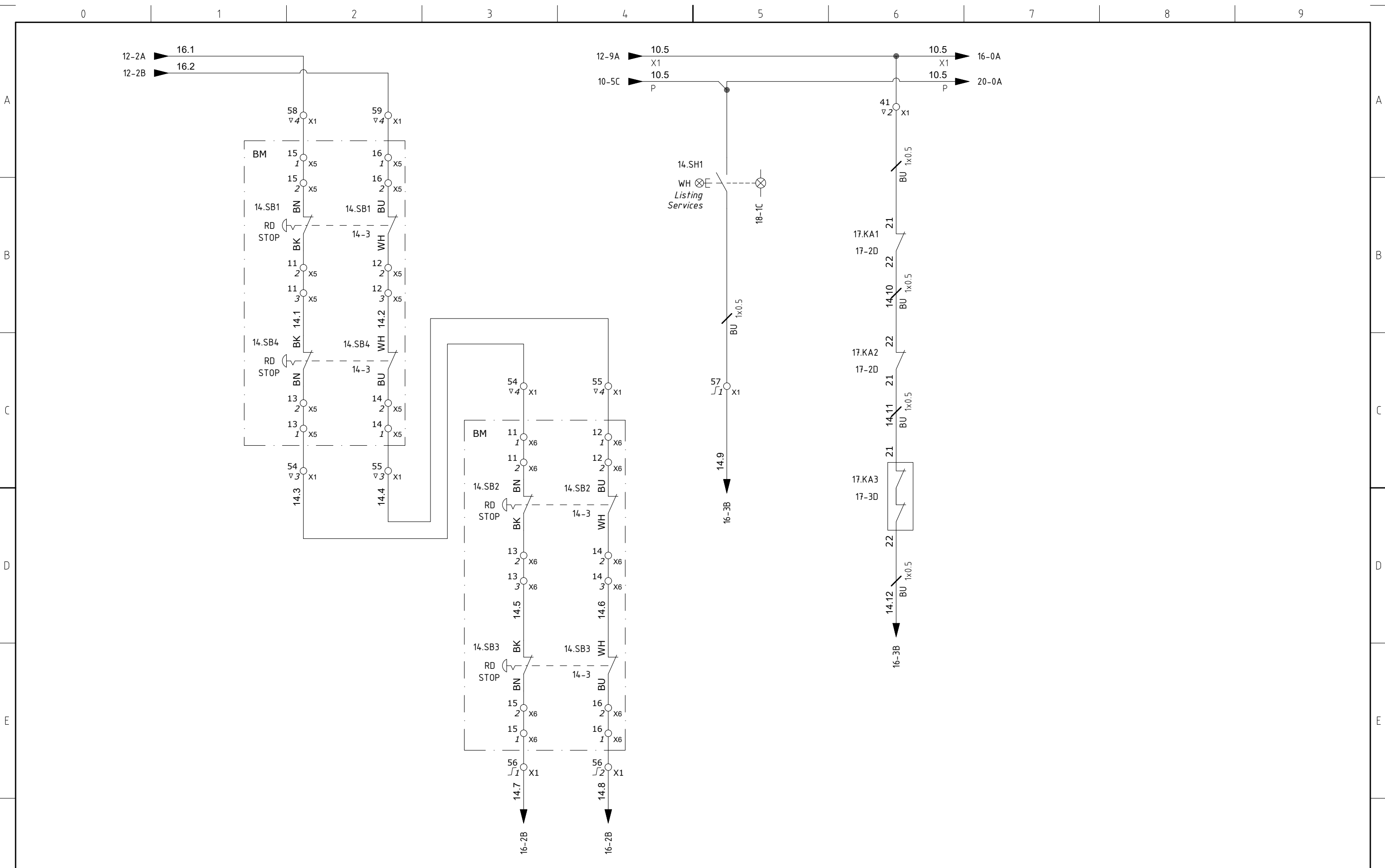
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				POSTEL GROUP TX USA		 MORELLO S.R.L.		DOC.Nr. M2761_1		Fogli Totali	
								FILE M2761_REV1_IT		CONTROLLORE MOTORE TRAZIONE DESTRO	
								DISEGN. R.G.		Foglio	
REV. MODIFICA						APPR.		Right Traction Motor Controller		Foglio Seguento	
0		1		2		3		4		5	
6		7		8		9					



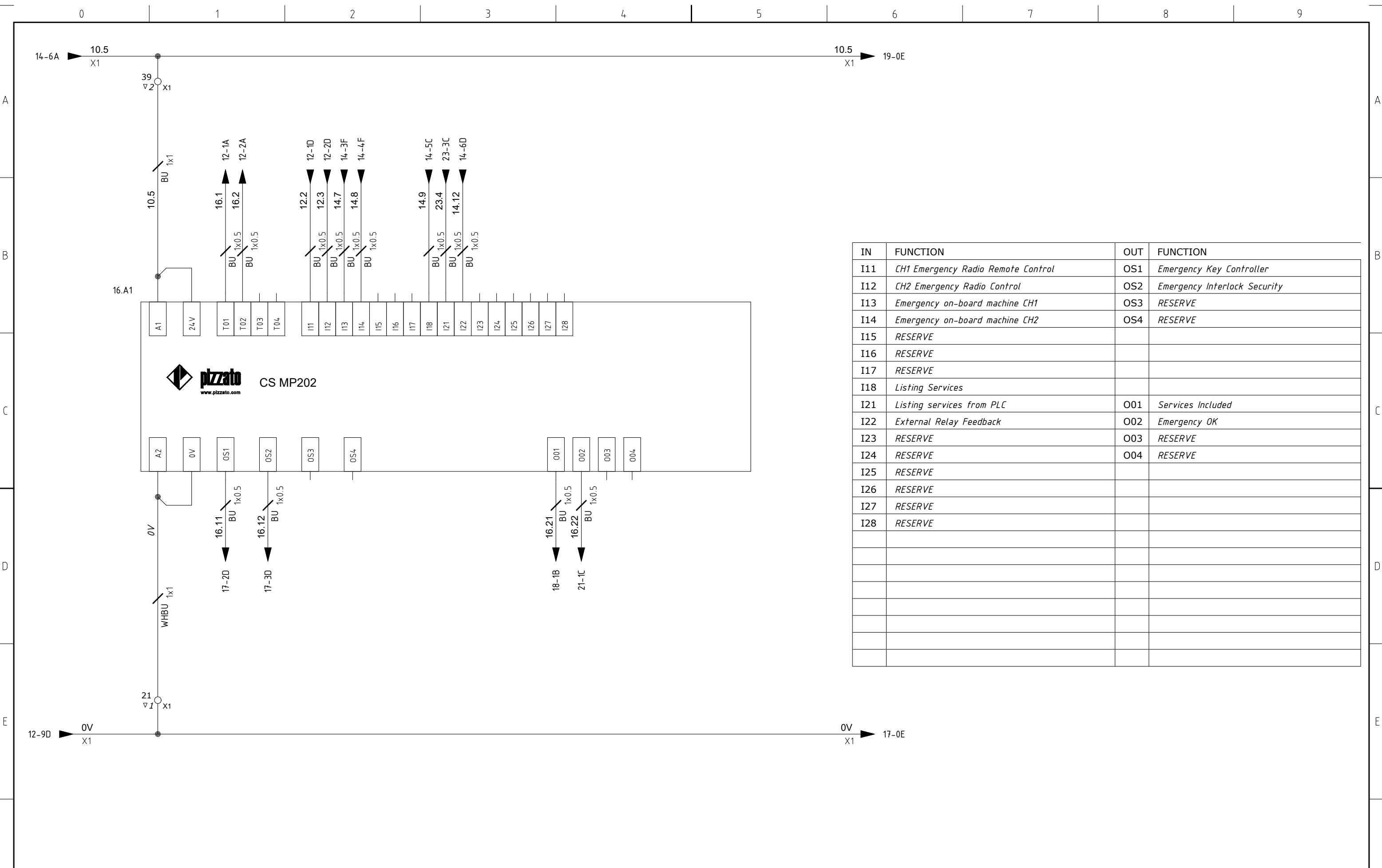
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							DOC.Nr.	M2761_1						Fogli Totali
					POSTEL GROUP TX USA		FILE	M2761_REV1_IT	SEGNALAZIONI CARRELLO					49
							DISEGN.	R.G.	Cart Reports					Foglio
REV.	MODIFICA	DATA	FIRMA			MORELLO S.R.L.	APPR.						11	12



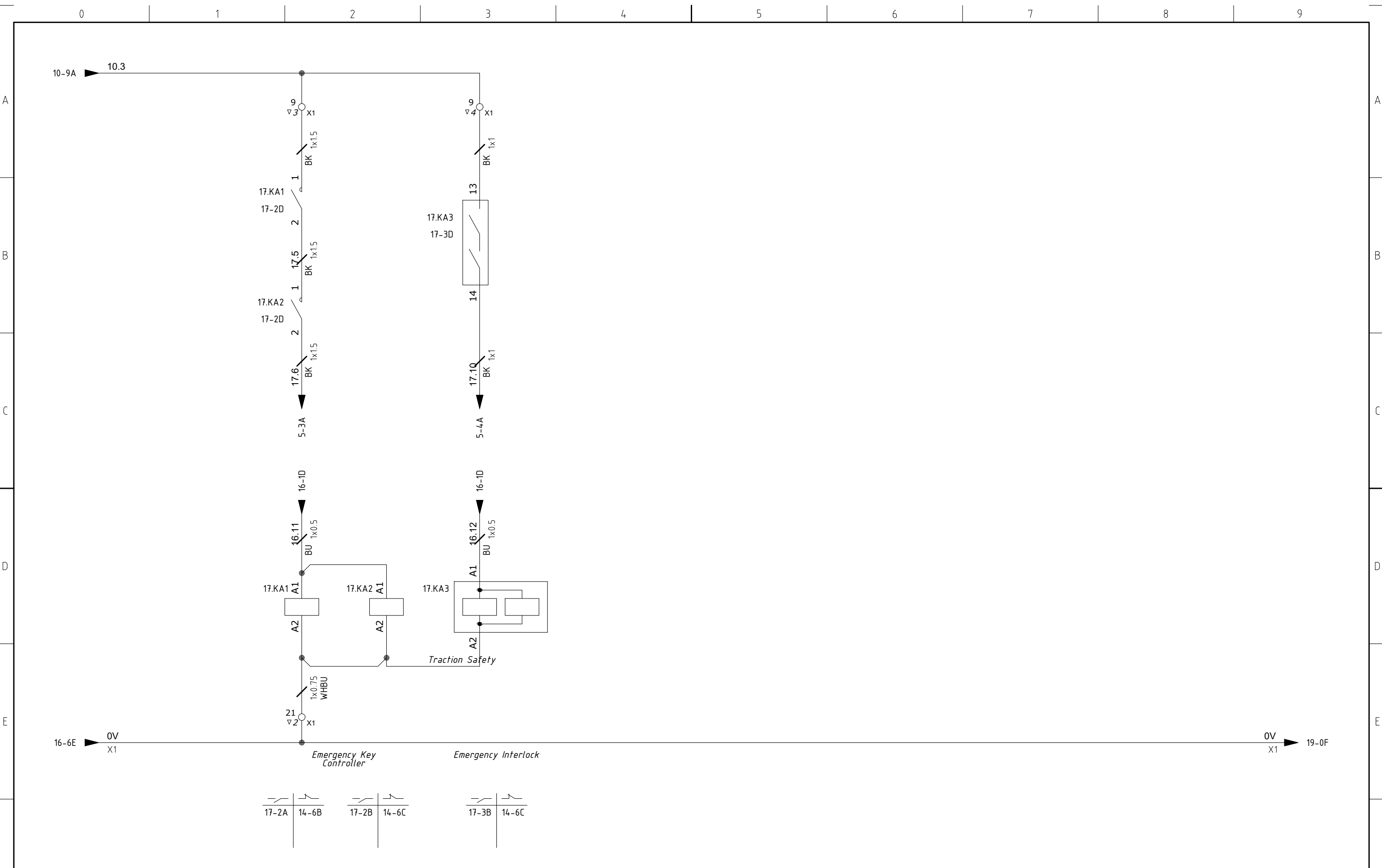
F				COMMESSA M2761	POSTEL GROUP TX USA	 MORELLO S.R.L.	DATA 08/07/2026	DOCUMENTO SGAE VC R 25/2	SCALA		
									Fogli Totali		
									49		
							Foglio		Foglio Segue		
	REV.	MODIFICA	DATA				FIRMA		12	14	
	0	1	2	3	4	5	6	7	8	9	F



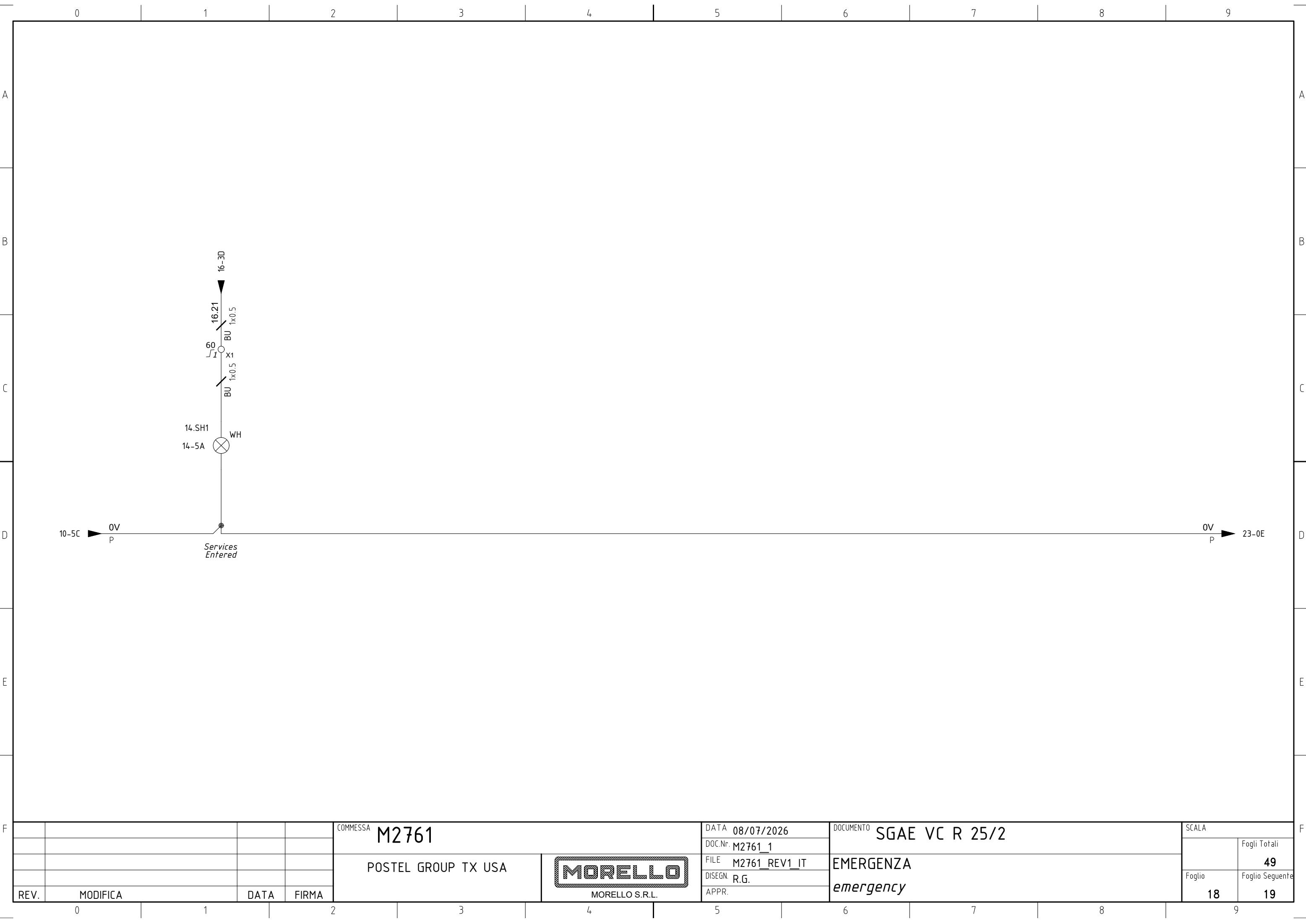
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				M2761		DOC.Nr.	M2761_1	SGAE VC R 25/2			Fogli Totali
				POSTEL GROUP TX USA		FILE	M2761_REV1_IT	EMERGENZE BM E RESET			49
				MORELLO MORELLO S.R.L.		DISEGN.	R.G.	<i>BM Emergencies and Reset</i>		Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			APPR.				14	16



IN	FUNCTION	OUT	FUNCTION
I11	CH1 Emergency Radio Remote Control	OS1	Emergency Key Controller
I12	CH2 Emergency Radio Control	OS2	Emergency Interlock Security
I13	Emergency on-board machine CH1	OS3	RESERVE
I14	Emergency on-board machine CH2	OS4	RESERVE
I15	RESERVE		
I16	RESERVE		
I17	RESERVE		
I18	Listing Services		
I21	Listing services from PLC	O01	Services Included
I22	External Relay Feedback	O02	Emergency OK
I23	RESERVE	O03	RESERVE
I24	RESERVE	O04	RESERVE
I25	RESERVE		
I26	RESERVE		
I27	RESERVE		
I28	RESERVE		



F					COMMESSA M2761		DATA 08/07/2026	DOCUMENTO SGAE VC R 25/2	SCALA		F
							DOC.Nr. M2761_1			Fogli Totali	
					POSTEL GROUP TX USA		FILE M2761_REV1_IT	EMERGENZA <i>emergency</i>		49	
							DISEGN. R.G.			Foglio	Foglio Seguento
	REV.	MODIFICA	DATA	FIRMA					MORELLO S.R.L.	APPR.	17



				COMMESSA	M2761			DATA	08/07/2026	DOCUMENTO			SGAE VC R 25/2	SCALA	
								DOC.Nr.	M2761_1						Fogli Totali
								FILE	M2761_REV1_IT						49
								DISEGN.	R.G.						Foglio Seguento
REV.	MODIFICA			DATA	FIRMA				APPR.					18	19

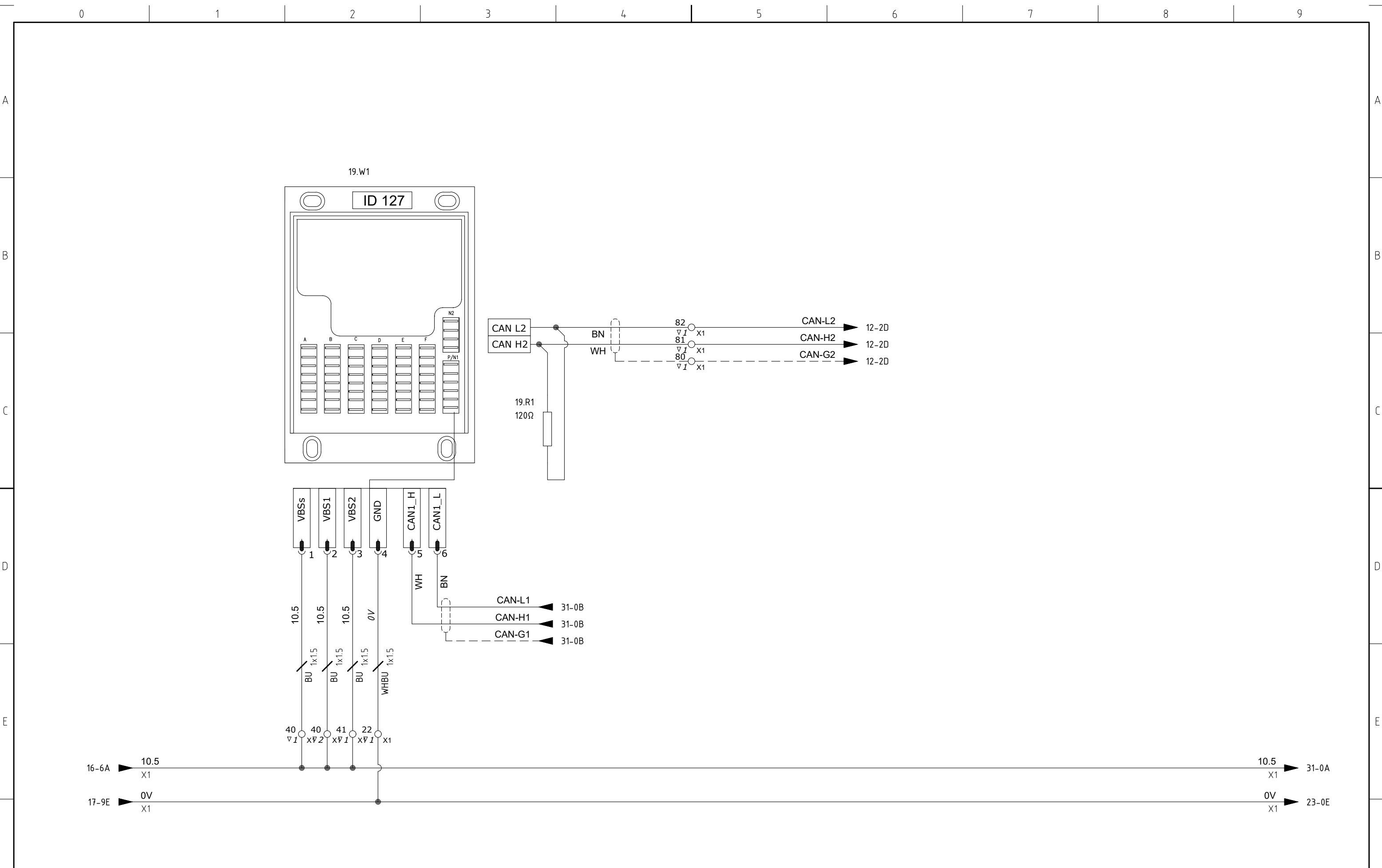
POSTEL GROUP TX USA



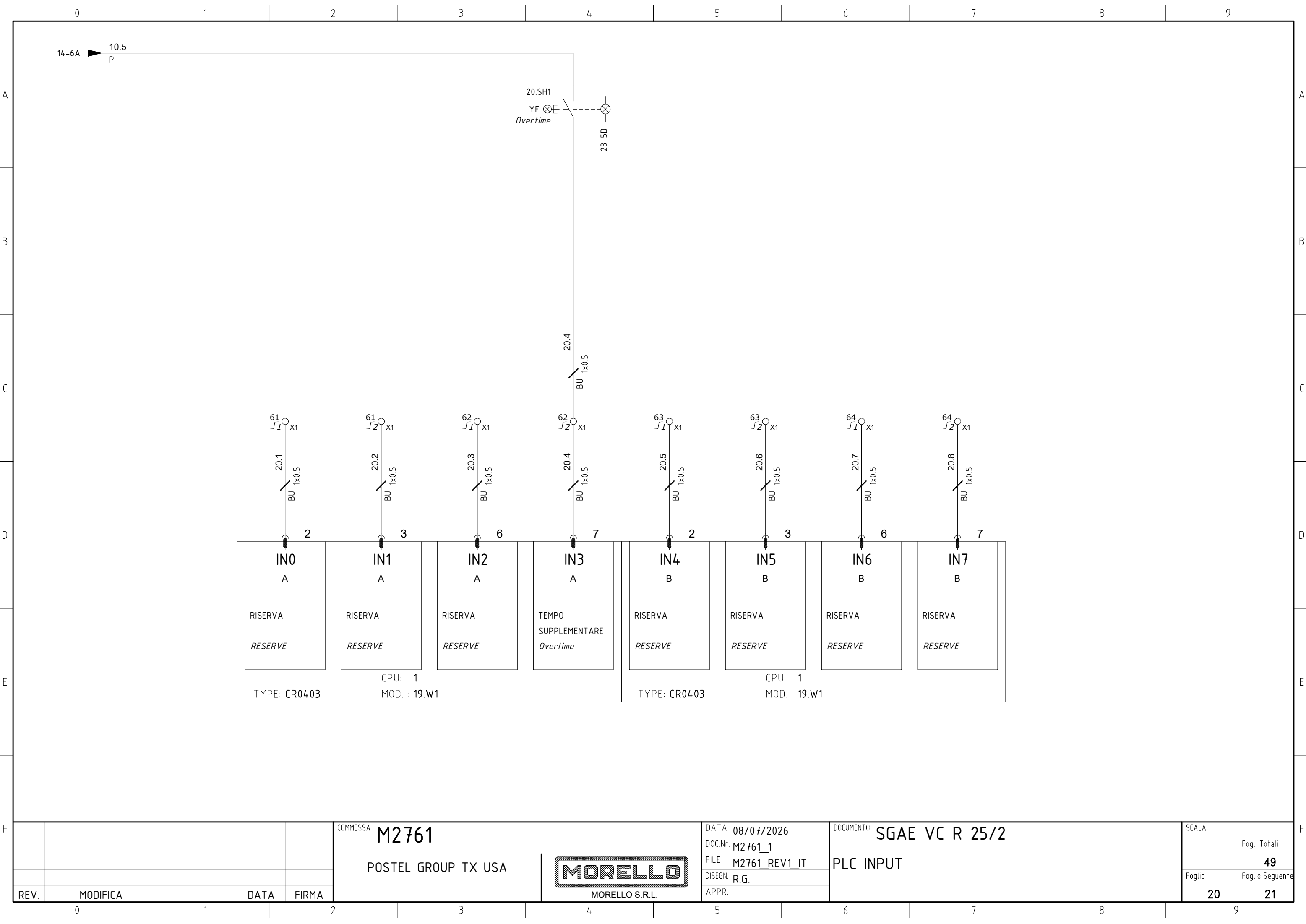
MORELLO S.R.L.

EMERGENZA

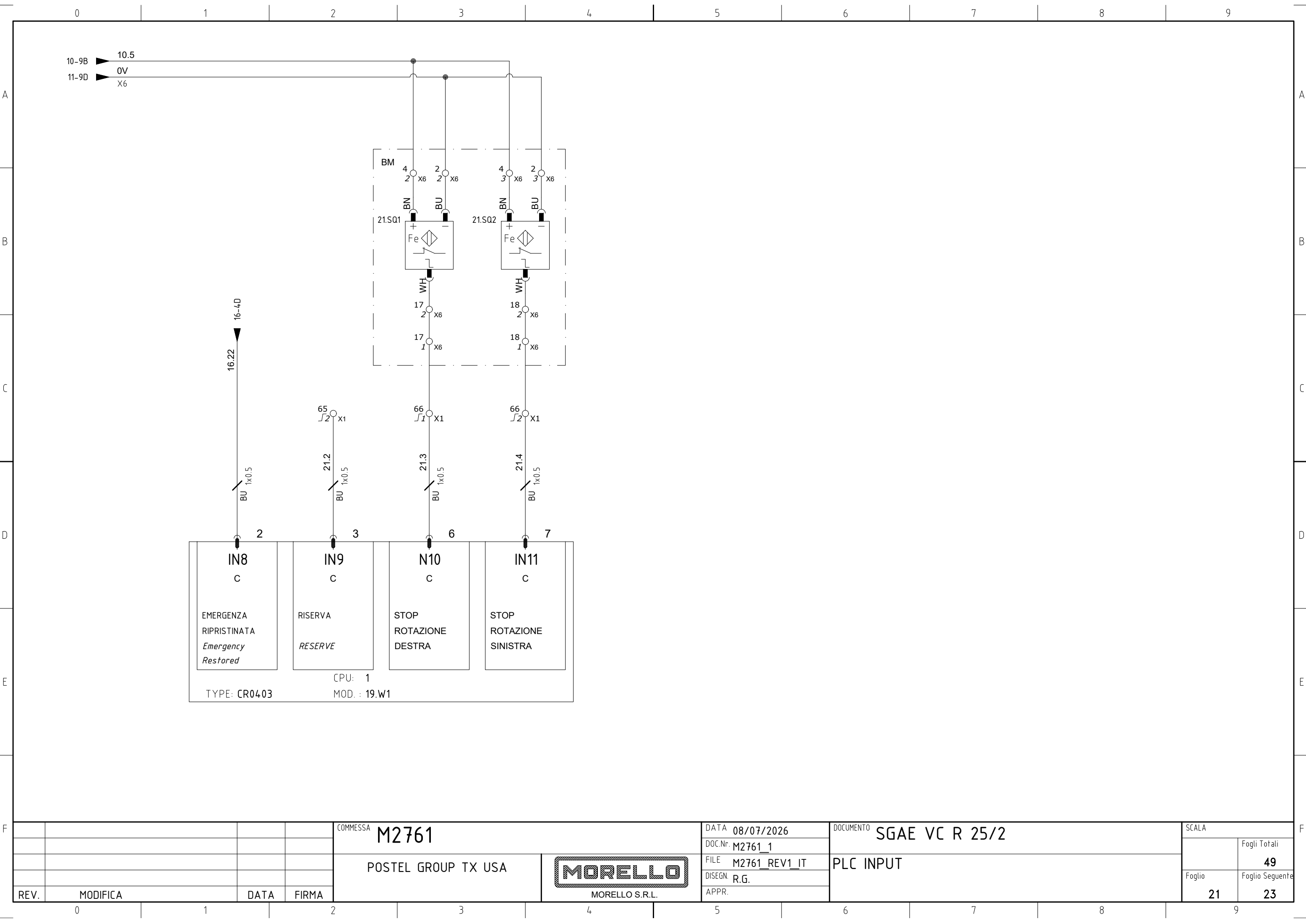
emergency



				COMMESSA		DATA	08/07/2026	DOCUMENTO		SCALA		
				M2761		DOC.Nr.	M2761_1	SGAE VC R 25/2			Fogli Totali	
				POSTEL GROUP TX USA		FILE	M2761_REV1_IT	PLC ALIMENTAZIONE E CANBUS			49	
						DISEGN.	R.G.	PLC Power Supply and Canbus		Foglio	Foglio Seguento	
REV.	MODIFICA	DATA	FIRMA			APPR.				19	20	



				COMMESSA M2761		DATA 08/07/2026	DOCUMENTO SGAE VC R 25/2		SCALA	
				POSTEL GROUP TX USA		DOC.Nr. M2761_1				Fogli Totali
						FILE M2761_REV1_IT	PLC INPUT			49
						DISEGN. R.G.			Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA	MORELLO MORELLO S.R.L.		APPR.			20	21



				COMMESSA	M2761		DATA	08/07/2026	DOCUMENTO		SGAE VC R 25/2		SCALA	
							DOC.Nr.	M2761_1						Fogli Totali
							FILE	M2761_REV1_IT						49
							DISEGN.	R.G.					Foglio	Foglio Seguento
REV.	MODIFICA		DATA	FIRMA			APPR.						21	23

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A

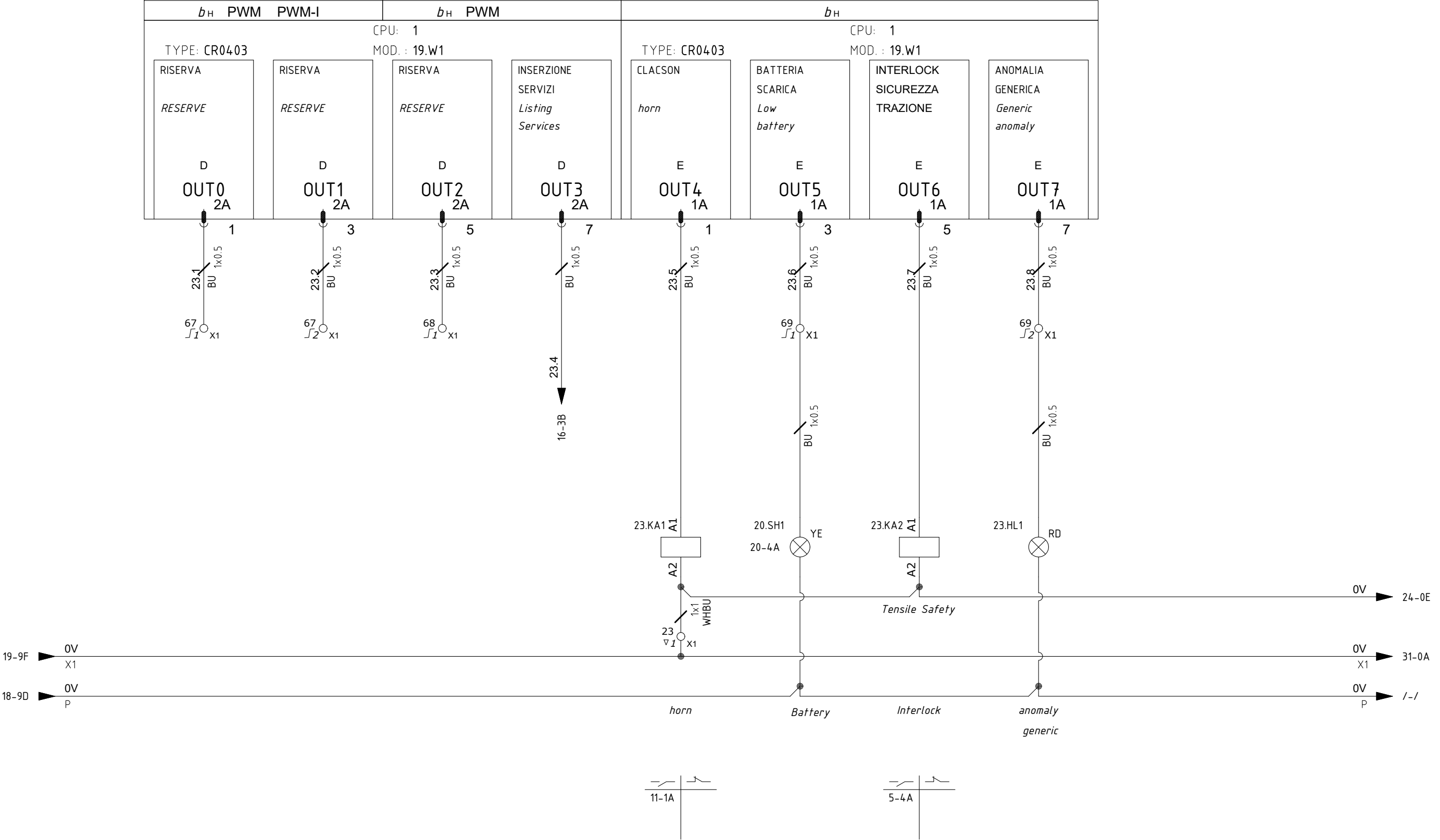
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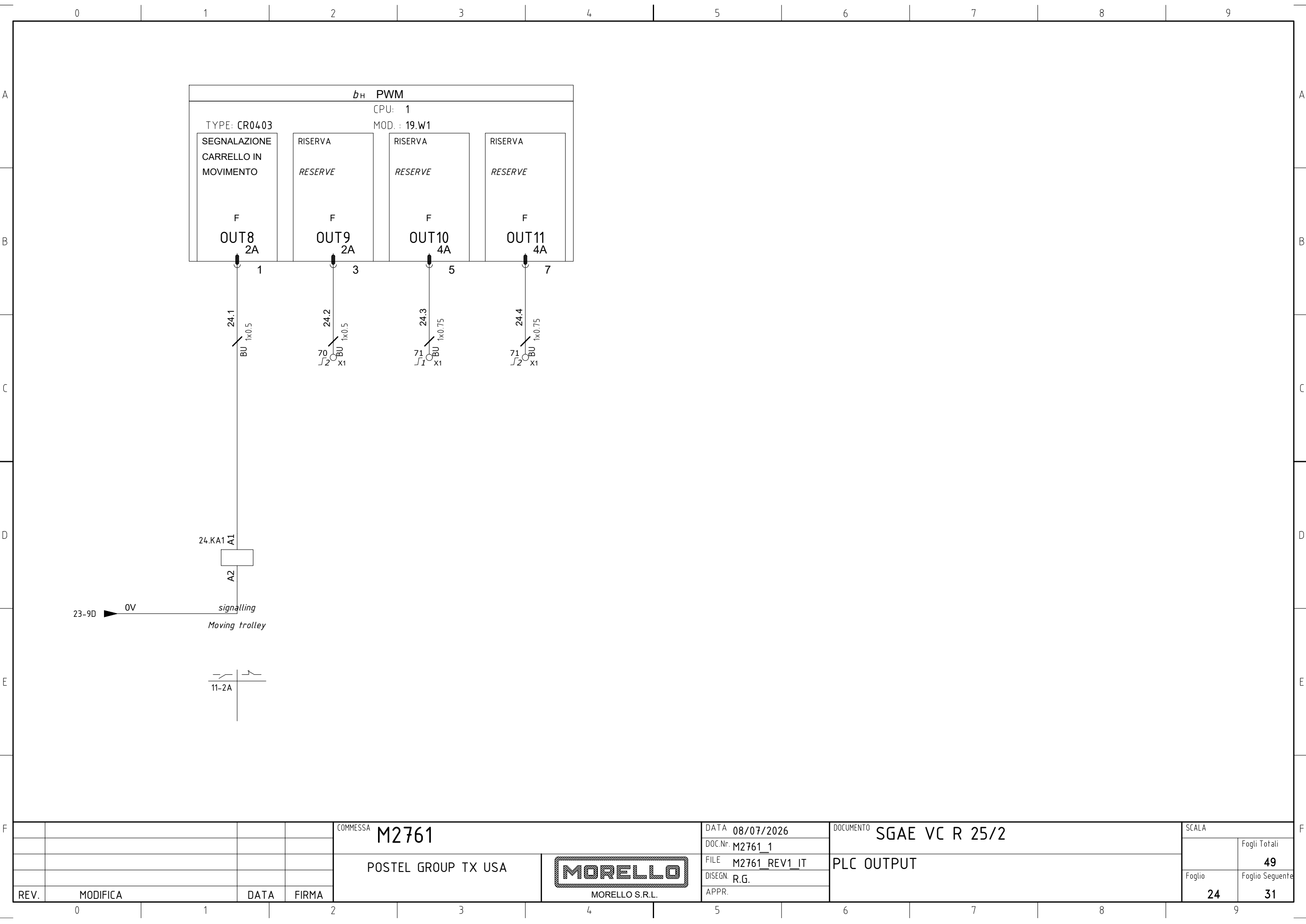
REV.	MODIFICA	DATA	FIRMA

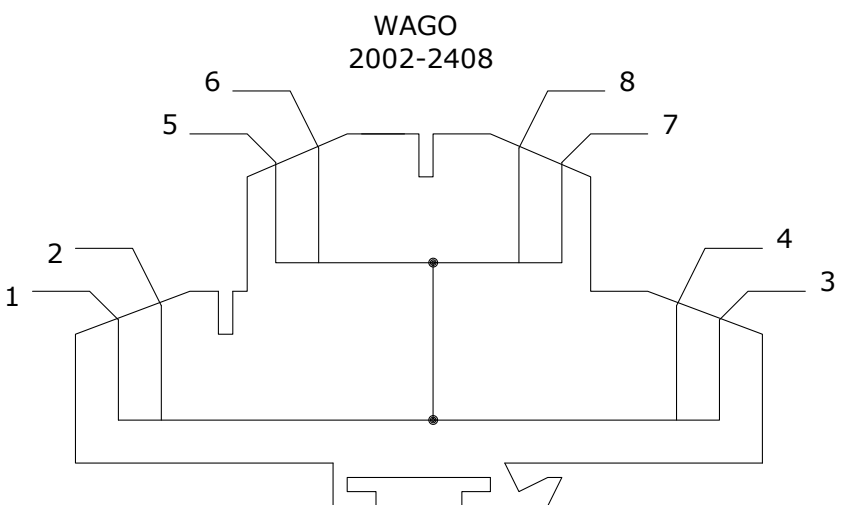
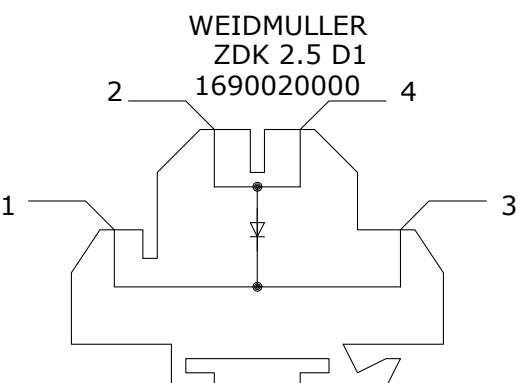
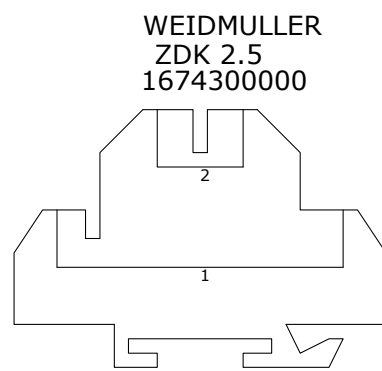
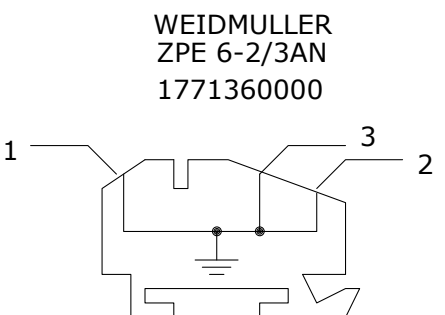
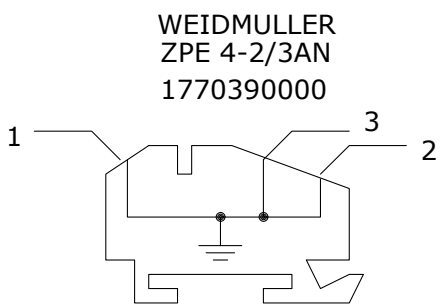
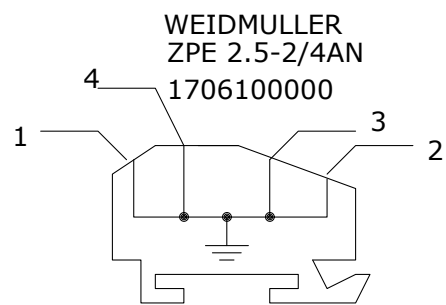
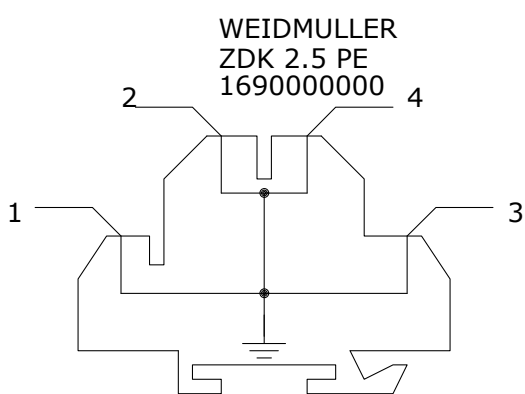
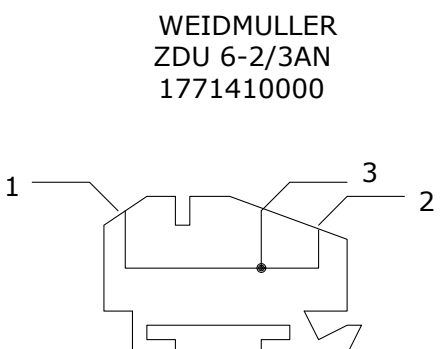
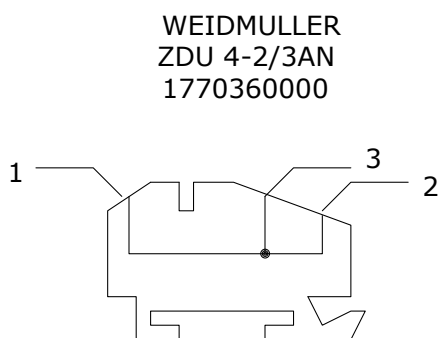
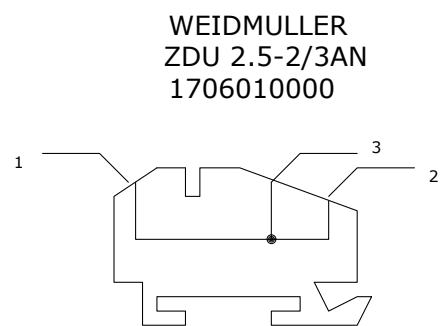
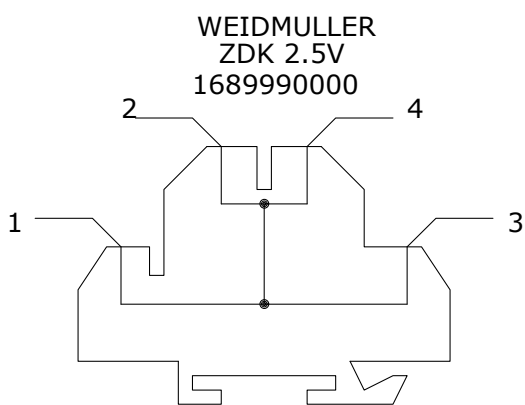
COMMESSA	M2761
POSTEL GROUP TX USA	MORELLO MORELLO S.R.L.

DATA	08/07/2026
DOC.Nr.	M2761_1
FILE	M2761_REV1_IT
DISEGN.	R.G.
APPR.	

DOCUMENTO	SGAE VC R 25/2
PLC OUTPUT	

SCALA	
Fogli Totali	49
Foglio	23
Foglio Seguento	24

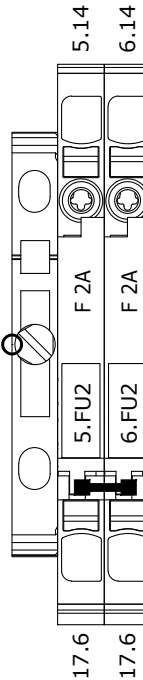




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0123456789

EP1 X1
Overview



-B1	17.6	5.14	6.14	1
-B1	17.6	5.14	6.14	2
5.11	17.6	5.14	6.14	3
5.12	17.6	5.14	6.14	4
5.15	17.6	5.14	6.14	5
6.11	17.6	5.14	6.14	6
6.12	17.6	5.14	6.14	7
10.1	17.6	5.14	6.14	8
10.3	17.6	5.14	6.14	9
0V	17.6	5.14	6.14	20
0V	17.6	5.14	6.14	21
0V	17.6	5.14	6.14	22
0V	17.6	5.14	6.14	23
0V	17.6	5.14	6.14	24
0V	17.6	5.14	6.14	25
0V	17.6	5.14	6.14	26
0V	17.6	5.14	6.14	27
4.1	17.6	5.14	6.14	28
4.3	17.6	5.14	6.14	29
4.5	17.6	5.14	6.14	30
5.4	17.6	5.14	6.14	31
5.5	17.6	5.14	6.14	32
5.7	17.6	5.14	6.14	33
6.4	17.6	5.14	6.14	34
6.5	17.6	5.14	6.14	35
6.7	17.6	5.14	6.14	36
10.5	17.6	5.14	6.14	37
10.5	17.6	5.14	6.14	38
10.5	17.6	5.14	6.14	39
10.5	17.6	5.14	6.14	40
10.5	17.6	5.14	6.14	41
10.5	17.6	5.14	6.14	42
10.5	17.6	5.14	6.14	43
10.5	17.6	5.14	6.14	44
11.1	17.6	5.14	6.14	45
11.2	17.6	5.14	6.14	46
12.2	17.6	5.14	6.14	47
12.4	17.6	5.14	6.14	48
12.4	17.6	5.14	6.14	49
12.5	17.6	5.14	6.14	50
12.6	17.6	5.14	6.14	51
12.6	17.6	5.14	6.14	52
12.7	17.6	5.14	6.14	53

14.3	14.3	54
14.4	14.4	55
14.7	14.8	56
14.9		57
16.1	16.1	58
16.2	16.2	59
16.21		60
20.1	20.2	61
20.3	20.4	62
20.5	20.6	63
20.7	20.8	64
	21.2	65
21.3	21.4	66
23.1	23.2	67
23.3		68
23.6	23.8	69
	24.2	70
24.3	24.4	71
10.5	10.5	72
0V	0V	73
CAN-G1	CAN-G1	74
CAN-G1	CAN-G1	75
CAN-H1	CAN-H1	76
CAN-H1	CAN-H1	77
CAN-L1	CAN-L1	78
CAN-L1	CAN-L1	79
CAN-G2	CAN-G2	80
CAN-H2	CAN-H2	81
CAN-L2	CAN-L2	82



A
B
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E
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0123456789

REV.	MODIFICA	DATA	FIRMA

COMMESSA	M2761
POSTEL GROUP TX USA	
	MORELLO S.R.L.

DATA	08/07/2026
DOC.Nr.	M2761_1
FILE	M2761_REV1_IT
DISEGN.	R.G.
APPR.	

DOCUMENTO	SGAE VC R 25/2
MORSETTIERA QUADRO EP1	
Panel terminal block EP1	

SCALA	Fogli Totali
	49
Foglio	Foglio Segue
34	35

0123456789

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A

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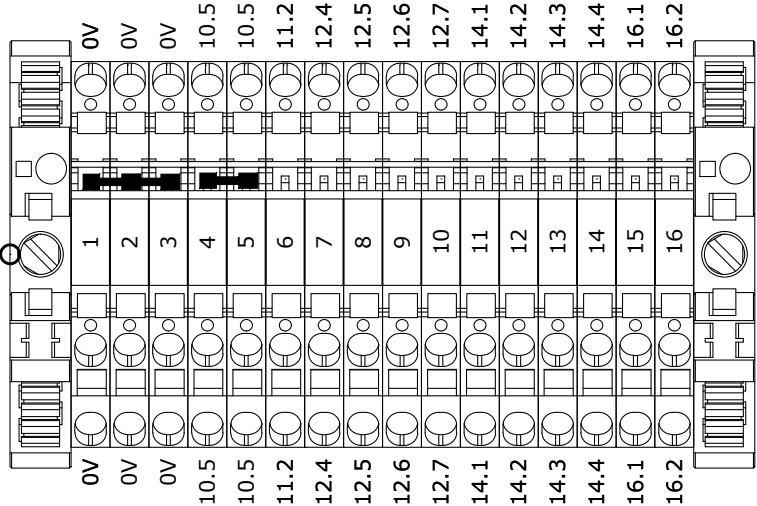
E

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X5

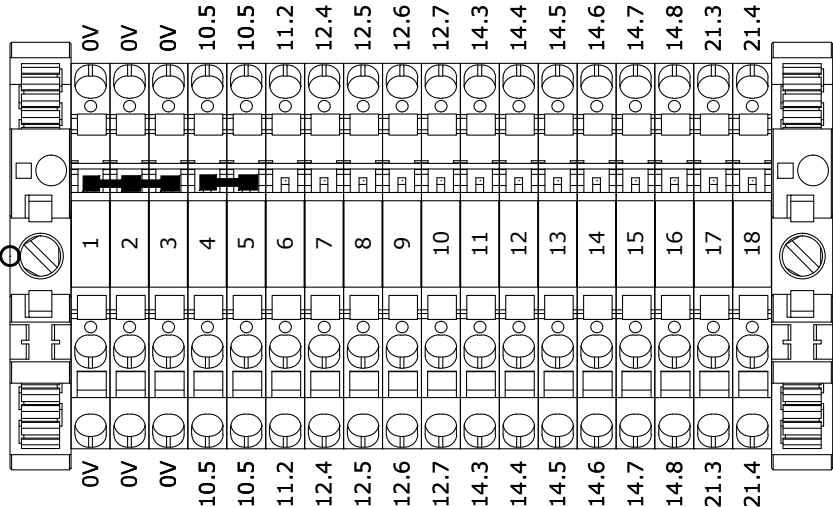
BM X5

Front junction box



BM X6

Rear junction box



REV.	MODIFICA	DATA	FIRMA

COMMESSA	M2761
POSTEL GROUP TX USA	
	MORELLO S.R.L.

DATA	08/07/2026
DOC.Nr.	M2761_1
FILE	M2761_REV1_IT
DISEGN.	R.G.
APPR.	

DOCUMENTO	SGAE VC R 25/2
MORSETTIERE SCATOLE DI DERIVAZIONE	
Junction box terminal blocks	

SCALA	Fogli Totali
	49
Foglio	Foglio Seguento
35	36

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A

B

C

D

E

F

BM

XS3A

socket for front hand control

TYPE	constructor	Wire ID	NumI	Pin
CSHF 16	Ilme			
			12.4	1
			12.5	2
			12.6	3
			12.7	4
				5
				6
				7
				8
				9
				10
				11
				12
				13
				14
				15
				16
				PE
CHP 16 LS2	Ilme			

BM

XS3B

socket for rear push-button panel

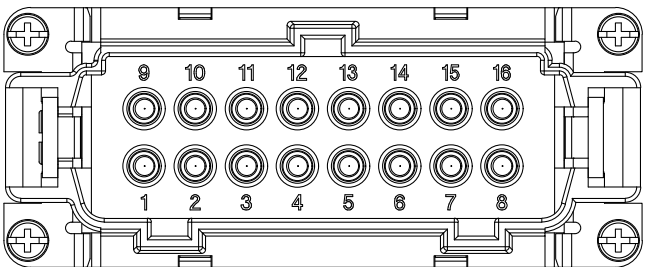
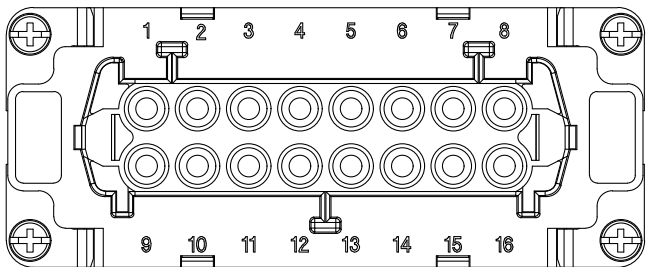
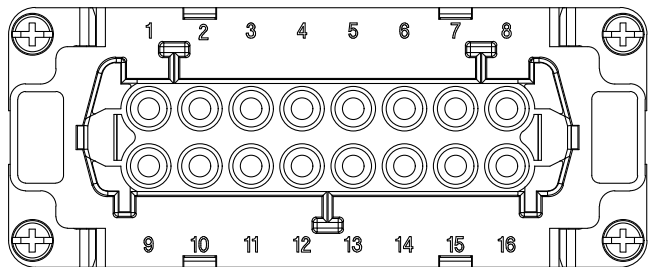
TYPE	constructor	Wire ID	NumI	Pin
CSHF 16	Ilme			
			12.4	1
			12.5	2
			12.6	3
			12.7	4
				5
				6
				7
				8
				9
				10
				11
				12
				13
				14
				15
				16
				PE
CHP 16 LS2	Ilme			

PB1

XP3

push-button plug with cable

TYPE	constructor	Wire ID	NumI	Pin
CSHM 16	Ilme			
			12.4	1
			12.5	2
			12.6	3
			12.7	4
				5
				6
				7
				8
				9
				10
				11
				12
				13
				14
				15
				16
				PE
CHV 16 L	Ilme			



REV.	MODIFICA	DATA	FIRMA

COMMESSA	M2761
POSTEL GROUP TX USA	MORELLO MORELLO S.R.L.

DATA	08/07/2026
DOC.Nr.	M2761_1
FILE	M2761_REV1_IT
DISEGN.	R.G.
APPR.	

DOCUMENTO	SGAE VC R 25/2
CONNETTORI	Connectors

SCALA	Fogli Totali
	49
Foglio	Foglio Seguento
36	38

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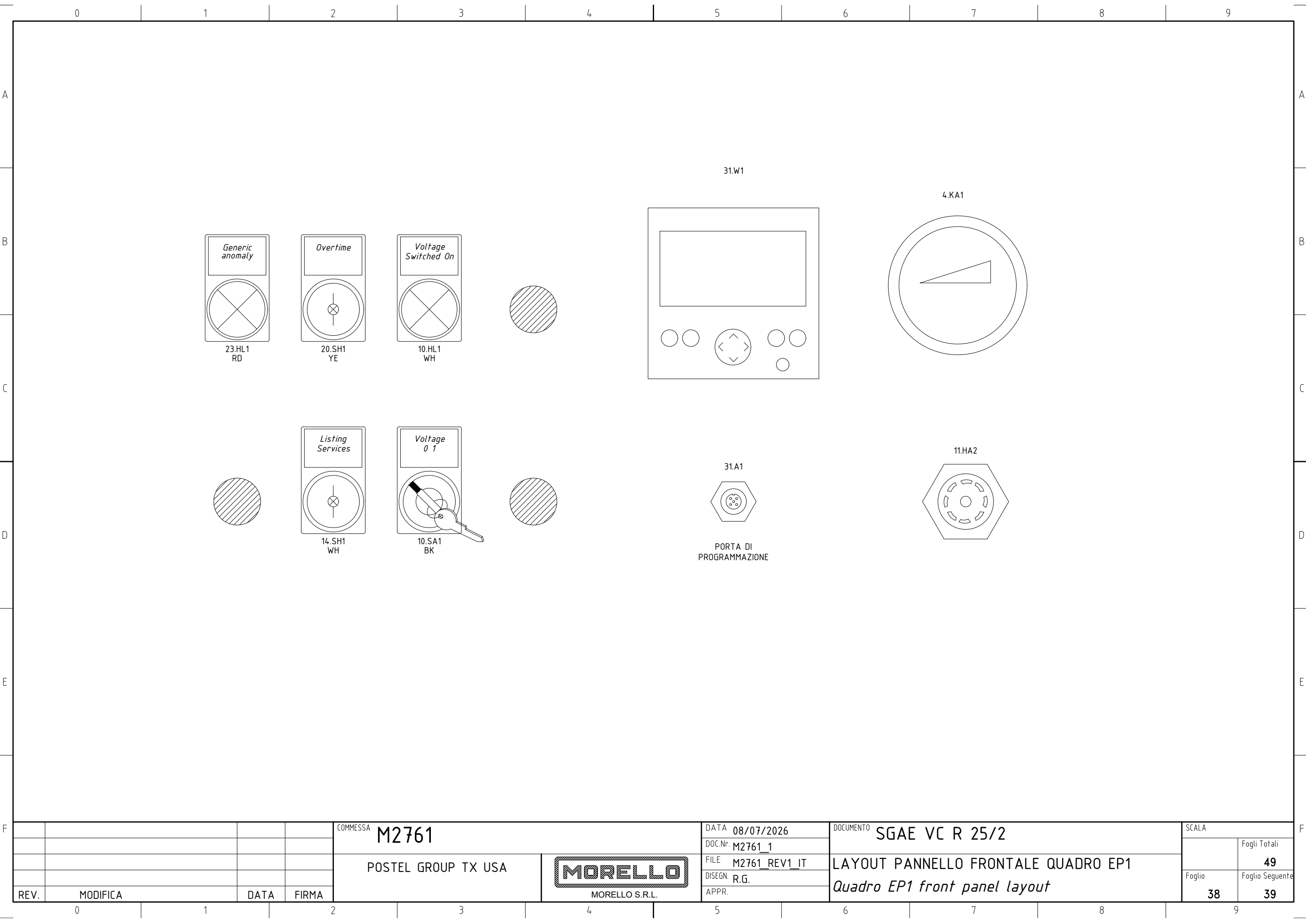
5

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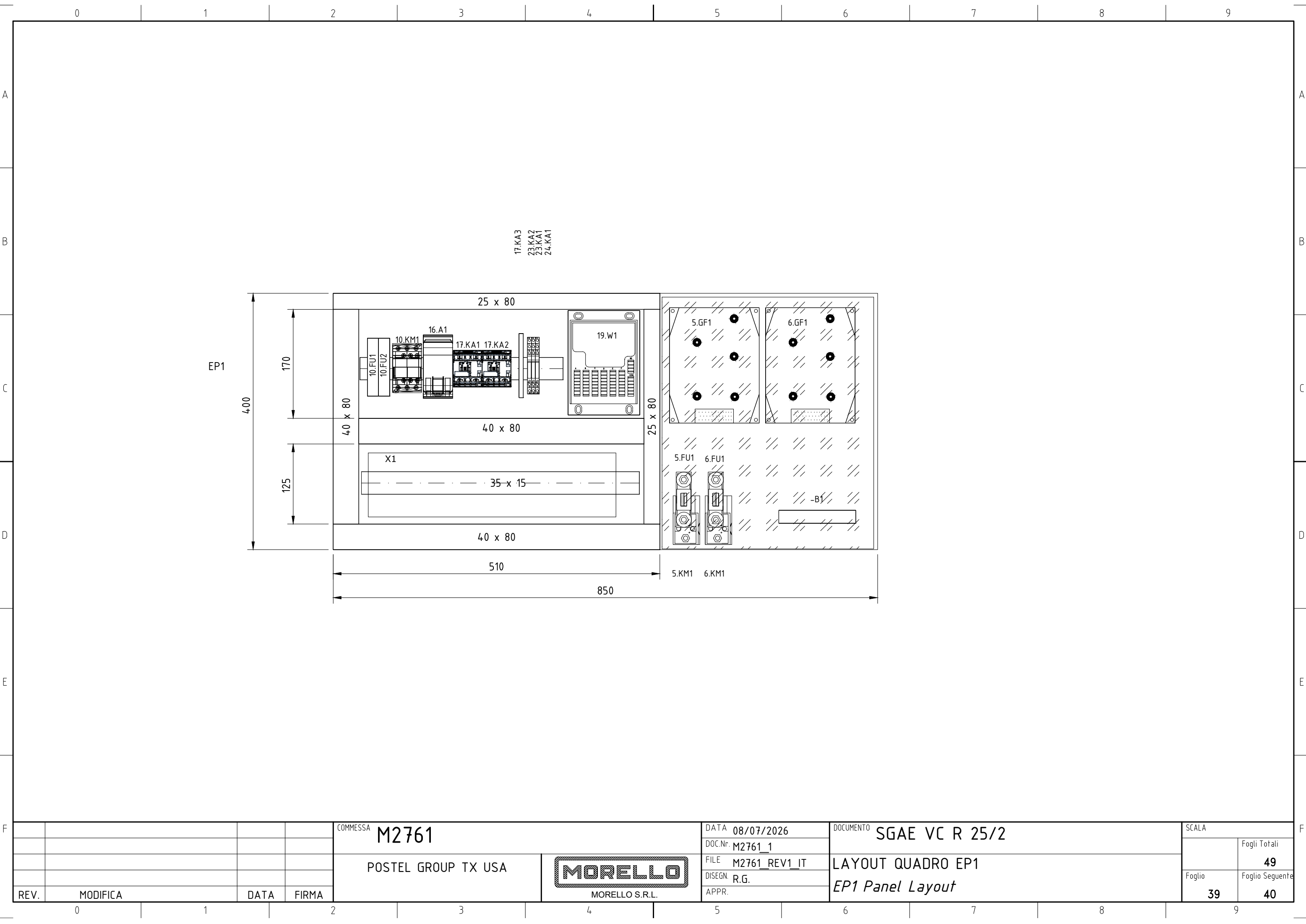
7

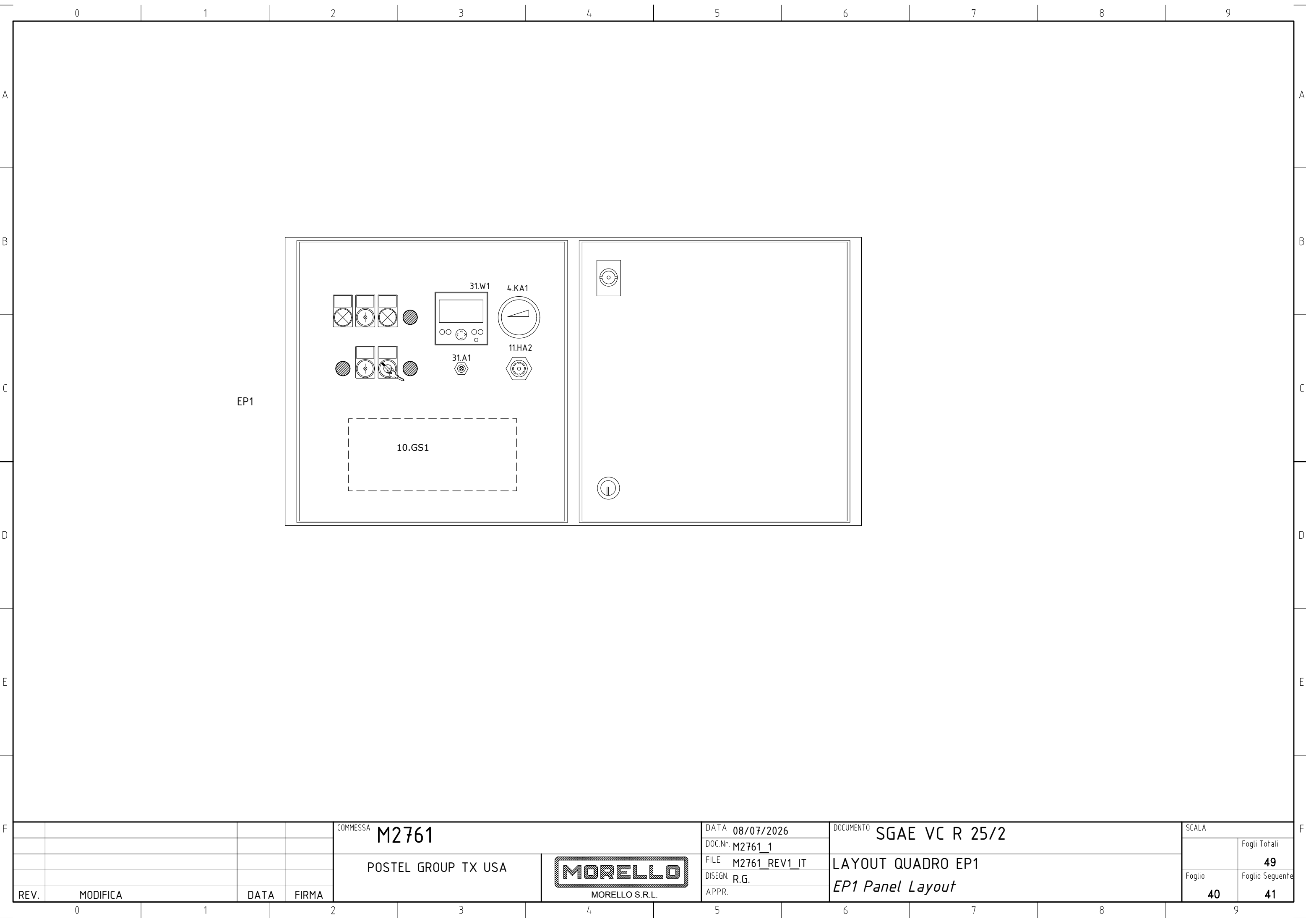
8

9



				COMMESSA M2761		DATA 08/07/2026		DOCUMENTO SGAE VC R 25/2		SCALA	
						DOC.Nr. M2761_1					Fogli Totali
						FILE M2761_REV1_IT		LAYOUT PANNELLO FRONTALE QUADRO EP1 <i>Quadro EP1 front panel layout</i>			49
						DISEGN. R.G.				Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA	POSTEL GROUP TX USA		 MORELLO S.R.L.		APPR.		38	39





F					COMMESSA	M2761		DATA	08/07/2026	DOCUMENTO	SGAE VC R 25/2		SCALA		F
								DOC.Nr.	M2761_1					Fogli Totali	
								FILE	M2761_REV1_IT			LAYOUT QUADRO EP1		49	
								DISEGN.	R.G.				Foglio	Foglio Seguento	
	REV.		MODIFICA		DATA		FIRMA			APPR.	EP1 Panel Layout			40	41
						POSTEL GROUP TX USA									
								MORELLO S.R.L.							

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Name/Item	type/type	Descrizione/Description	Manufacturer/Marke	Quadro/Board	Q.ta/Q.ty	Internal code
31.R1	E11589	Terminal Resistor F	Ifm	BM	1	E_CQD_CON_0009
W5	E11594	Canopen M12 M-F 5m Cable	Ifm	BM	1	E_CAV_CON_0009
W6	7000-40542-8030030	Canopen cable M12 M-F 90° 0.30m	MURR ELEKTRONIK	BM	1	E_CAV_CON_0048
X5	APV 14	CASS.AP 168x192x80 *NEW*	Ilme	BM	1	E_QDR_STD_0008
	APF 14	14VC Mounting Plate	Ilme		1	E_ACC_QDR_0025
X5	1706010000	ZDU 2.5-2/3AN Thru-Clamp, Locking Spring, 2.5 mm ² , 800 V, 24 A, Dark Beige	Weidmuller	BM	16	E_CQD_TER_0006
	1061200000	Fixing terminal for TS 35 WEW 35/2	Weidmuller		2	E_CQD_TER_0017
X6	1706010000	ZDU 2.5-2/3AN Thru-Clamp, Locking Spring, 2.5 mm ² , 800 V, 24 A, Dark Beige	Weidmuller	BM	18	E_CQD_TER_0006
	1061200000	Fixing terminal for TS 35 WEW 35/2	Weidmuller		2	E_CQD_TER_0017
XS3A	CSHF 16	Socket Fruit, 16 pE poles, Squich spring clamp connection, 16A max, 500 V, 6kV, 3, with sockets, silver-plated, size 77.27, Frutti Series Class Tecnica	Ilme	BM	1	E_CON_FEM_0001
	CHP 16 LS2	Wall-mounted enclosure with single lock with lever and door, 2 outlets PG 21	Ilme		1	M_OGC_PPU_0001
XS3B	CSHF 16	Socket Fruit, 16 pE poles, Squich spring clamp connection, 16A max, 500 V, 6kV, 3, with sockets, silver-plated, size 77.27, Frutti Series Class Tecnica	Ilme	BM	1	E_CON_FEM_0001
	CHP 16 LS2	Wall-mounted enclosure with single lock with lever and door, 2 outlets PG 21	Ilme		1	M_OGC_PPU_0001

				COMMESSA M2761		DATA 08/07/2026	DOCUMENTO SGAE VC R 25/2			SCALA	
				POSTEL GROUP TX USA		DOC.Nr. M2761_1	DISTINTA MATERIALI				Fogli Totali
						FILE M2761_REV1_IT					49
						DISEGN. R.G.				Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			APPR.				44	45



<i>Name/Item</i>	<i>type/type</i>	Descrizione/Description	Manufacturer/Marke	Quadro/Board	Q.ta/Q.ty	<i>Internal code</i>
4.GS2	329000953	<i>Rectifier Green 6 80V 100A 460/480V</i>	ELSA	CG	1	

				COMMESSA	M2761	DATA	08/07/2026	DOCUMENTO	SGAE VC R 25/2	SCALA
						DOC.Nr.	M2761_1			Fogli Totali
						FILE	M2761_REV1_IT			49
						DISEGN.	R.G.			Foglio
REV.	MODIFICA	DATA	FIRMA			APPR.				45

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A	<table><tr><th><i>Name/Item</i></th><th><i>type/type</i></th><th>Descrizione/Description</th><th><i>Manufacturer/Marke</i></th><th>Quadro/Board</th><th>Q.ta/Q.ty</th><th><i>Internal code</i></th></tr><tr><td>4.KA1</td><td>324000019</td><td>BMS SMART GAUGE CANbus</td><td>ALIAINT</td><td>EP1</td><td>1</td><td>E_CQD_BRD_0057</td></tr><tr><td>5.FU1</td><td>CNL250DIN</td><td><i>Traction Fuse 250A</i></td><td>MERSEN</td><td>EP1</td><td>1</td><td></td></tr><tr><td>5.FU2</td><td>0102002</td><td><i>Fuse 5x20F STD 2A 250V</i></td><td>Italweber</td><td>EP1</td><td>1</td><td>E_CQD_FUS_0016</td></tr><tr><td>5.GF1</td><td>470336321</td><td>1232SE-6321 48-80V 250A</td><td>Curtis</td><td>EP1</td><td>1</td><td>E_CQD_AZN_0008</td></tr><tr><td>5.KM1</td><td>C29556</td><td><i>Contacto SW80B/6 24V C0</i> <i>100A(Interrupted)/125A(Uninterrupted)</i></td><td>ZTP</td><td>EP1</td><td>1</td><td>E_CQD_TEL_0007</td></tr><tr><td>6.FU1</td><td>CNL250DIN</td><td><i>Traction Fuse 250A</i></td><td>MERSEN</td><td>EP1</td><td>1</td><td></td></tr><tr><td>6.FU2</td><td>0102002</td><td><i>Fuse 5x20F STD 2A 250V</i></td><td>Italweber</td><td>EP1</td><td>1</td><td>E_CQD_FUS_0016</td></tr><tr><td>6.GF1</td><td>470336321</td><td>1232SE-6321 48-80V 250A</td><td>Curtis</td><td>EP1</td><td>1</td><td>E_CQD_AZN_0008</td></tr><tr><td>6.KM1</td><td>C29556</td><td><i>Contacto SW80B/6 24V C0</i> <i>100A(Interrupted)/125A(Uninterrupted)</i></td><td>ZTP</td><td>EP1</td><td>1</td><td>E_CQD_TEL_0007</td></tr><tr><td>10.FU1</td><td>DF101 FNQ-20</td><td><i>Fuse holder 32A 10x38 1P</i> FNQ-20 BUSS MIDGET Fusibile</td><td>Schneider Electric Eaton</td><td>EP1</td><td>1 1</td><td>E_CQD_FUS_0024</td></tr><tr><td>10.FU2</td><td>DF101 FNQ-20</td><td><i>Fuse holder 32A 10x38 1P</i> FNQ-20 BUSS MIDGET Fusibile</td><td>Schneider Electric Eaton</td><td>EP1</td><td>1 1</td><td>E_CQD_FUS_0024</td></tr><tr><td>10.FU3</td><td>0101001</td><td><i>Fuse 5x20F STD 1A 250V</i></td><td>Italweber</td><td>EP1</td><td>1</td><td>E_CQD_FUS_0015</td></tr><tr><td>10.GS1</td><td>RSD-500D-24</td><td><i>DC/DC converter 67-154/24V 20A</i></td><td>Mean Well</td><td>EP1</td><td>1</td><td>E_ALM_DTD_0008</td></tr><tr><td>10.HL1</td><td>ZB4BV013</td><td><i>White pilot light head for ø22 units with smooth lens</i></td><td>Schneider Electric</td><td>EP1</td><td>1</td><td>E_CCS_LED_0012</td></tr><tr><td></td><td>ZB4BZ009</td><td><i>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</i></td><td>Schneider Electric</td><td></td><td>1</td><td>E_ACC_CCS_0007</td></tr><tr><td></td><td>ZBVB1</td><td><i>White light element for Ø22 24V head</i></td><td>Schneider Electric</td><td></td><td>1</td><td>E_CCS_LED_0039</td></tr><tr><td>10.KM1</td><td>LC1D18EHE</td><td><i>Tesys D Contactor - 3P(3 NO) 1 NO 1 NC - AC-3 - <= 440 V 18 A - 48-130 V AC/DC Coil - Screw terminals</i></td><td>Schneider Electric</td><td>EP1</td><td>1</td><td>E_CQD_RLY_0050</td></tr><tr><td>10.SA1</td><td>ZB4BG4 ZB4BZ009</td><td><i>Keyed selector switch</i> <i>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</i></td><td>Schneider Electric Schneider Electric</td><td>EP1</td><td>1 1</td><td>E_CCS_KEY_0001 E_ACC_CCS_0007</td></tr><tr><td></td><td>ZBE101</td><td><i>Single contact block for circular pushbutton Ø 22 mm - 1NO with silver alloy screw terminals</i></td><td>Schneider Electric</td><td></td><td>2</td><td>E_CCS_CNT_0007</td></tr><tr><td>11.HA2</td><td>23265800000</td><td><i>IP65 sounder with volume control</i></td><td>Pfannenberg</td><td>EP1</td><td>1</td><td>E_CQD_VEN_0013</td></tr><tr><td></td><td>28300000011</td><td><i>Gasket for sounder P28 DMX</i></td><td>Pfannenberg</td><td></td><td>1</td><td>E_CQD_VEN_0014</td></tr><tr><td>14.SH1</td><td>ZB4BW313</td><td><i>White luminous wire pushbutton head for Ø22 units with spring return</i></td><td>Schneider Electric</td><td>EP1</td><td>1</td><td>E_CCS_PLS_0005</td></tr><tr><td></td><td>ZB4BZ009</td><td><i>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</i></td><td>Schneider Electric</td><td></td><td>1</td><td>E_ACC_CCS_0007</td></tr><tr><td></td><td>ZBE101</td><td><i>Single contact block for circular pushbutton Ø 22 mm - 1NO with silver alloy screw terminals</i></td><td>Schneider Electric</td><td></td><td>1</td><td>E_CCS_CNT_0007</td></tr><tr><td></td><td>ZBVB1</td><td><i>White light element for Ø22 24V head</i></td><td>Schneider Electric</td><td></td><td>1</td><td>E_CCS_LED_0039</td></tr><tr><td>16.A1</td><td>CS MP202M0</td><td><i>CS MP202M0 Programmable Multi-function Safety Module</i></td><td>Pizzato Elettrica</td><td>EP1</td><td>1</td><td>E_CQD_BRD_0155</td></tr></table>										<i>Name/Item</i>	<i>type/type</i>	Descrizione/Description	<i>Manufacturer/Marke</i>	Quadro/Board	Q.ta/Q.ty	<i>Internal code</i>	4.KA1	324000019	BMS SMART GAUGE CANbus	ALIAINT	EP1	1	E_CQD_BRD_0057	5.FU1	CNL250DIN	<i>Traction Fuse 250A</i>	MERSEN	EP1	1		5.FU2	0102002	<i>Fuse 5x20F STD 2A 250V</i>	Italweber	EP1	1	E_CQD_FUS_0016	5.GF1	470336321	1232SE-6321 48-80V 250A	Curtis	EP1	1	E_CQD_AZN_0008	5.KM1	C29556	<i>Contacto SW80B/6 24V C0</i> <i>100A(Interrupted)/125A(Uninterrupted)</i>	ZTP	EP1	1	E_CQD_TEL_0007	6.FU1	CNL250DIN	<i>Traction Fuse 250A</i>	MERSEN	EP1	1		6.FU2	0102002	<i>Fuse 5x20F STD 2A 250V</i>	Italweber	EP1	1	E_CQD_FUS_0016	6.GF1	470336321	1232SE-6321 48-80V 250A	Curtis	EP1	1	E_CQD_AZN_0008	6.KM1	C29556	<i>Contacto SW80B/6 24V C0</i> <i>100A(Interrupted)/125A(Uninterrupted)</i>	ZTP	EP1	1	E_CQD_TEL_0007	10.FU1	DF101 FNQ-20	<i>Fuse holder 32A 10x38 1P</i> FNQ-20 BUSS MIDGET Fusibile	Schneider Electric Eaton	EP1	1 1	E_CQD_FUS_0024	10.FU2	DF101 FNQ-20	<i>Fuse holder 32A 10x38 1P</i> FNQ-20 BUSS MIDGET Fusibile	Schneider Electric Eaton	EP1	1 1	E_CQD_FUS_0024	10.FU3	0101001	<i>Fuse 5x20F STD 1A 250V</i>	Italweber	EP1	1	E_CQD_FUS_0015	10.GS1	RSD-500D-24	<i>DC/DC converter 67-154/24V 20A</i>	Mean Well	EP1	1	E_ALM_DTD_0008	10.HL1	ZB4BV013	<i>White pilot light head for ø22 units with smooth lens</i>	Schneider Electric	EP1	1	E_CCS_LED_0012		ZB4BZ009	<i>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</i>	Schneider Electric		1	E_ACC_CCS_0007		ZBVB1	<i>White light element for Ø22 24V head</i>	Schneider Electric		1	E_CCS_LED_0039	10.KM1	LC1D18EHE	<i>Tesys D Contactor - 3P(3 NO) 1 NO 1 NC - AC-3 - <= 440 V 18 A - 48-130 V AC/DC Coil - Screw terminals</i>	Schneider Electric	EP1	1	E_CQD_RLY_0050	10.SA1	ZB4BG4 ZB4BZ009	<i>Keyed selector switch</i> <i>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</i>	Schneider Electric Schneider Electric	EP1	1 1	E_CCS_KEY_0001 E_ACC_CCS_0007		ZBE101	<i>Single contact block for circular pushbutton Ø 22 mm - 1NO with silver alloy screw terminals</i>	Schneider Electric		2	E_CCS_CNT_0007	11.HA2	23265800000	<i>IP65 sounder with volume control</i>	Pfannenberg	EP1	1	E_CQD_VEN_0013		28300000011	<i>Gasket for sounder P28 DMX</i>	Pfannenberg		1	E_CQD_VEN_0014	14.SH1	ZB4BW313	<i>White luminous wire pushbutton head for Ø22 units with spring return</i>	Schneider Electric	EP1	1	E_CCS_PLS_0005		ZB4BZ009	<i>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</i>	Schneider Electric		1	E_ACC_CCS_0007		ZBE101	<i>Single contact block for circular pushbutton Ø 22 mm - 1NO with silver alloy screw terminals</i>	Schneider Electric		1	E_CCS_CNT_0007		ZBVB1	<i>White light element for Ø22 24V head</i>	Schneider Electric		1	E_CCS_LED_0039	16.A1	CS MP202M0	<i>CS MP202M0 Programmable Multi-function Safety Module</i>	Pizzato Elettrica	EP1	1	E_CQD_BRD_0155		
<i>Name/Item</i>	<i>type/type</i>	Descrizione/Description	<i>Manufacturer/Marke</i>	Quadro/Board	Q.ta/Q.ty	<i>Internal code</i>																																																																																																																																																																																																			
4.KA1	324000019	BMS SMART GAUGE CANbus	ALIAINT	EP1	1	E_CQD_BRD_0057																																																																																																																																																																																																			
5.FU1	CNL250DIN	<i>Traction Fuse 250A</i>	MERSEN	EP1	1																																																																																																																																																																																																				
5.FU2	0102002	<i>Fuse 5x20F STD 2A 250V</i>	Italweber	EP1	1	E_CQD_FUS_0016																																																																																																																																																																																																			
5.GF1	470336321	1232SE-6321 48-80V 250A	Curtis	EP1	1	E_CQD_AZN_0008																																																																																																																																																																																																			
5.KM1	C29556	<i>Contacto SW80B/6 24V C0</i> <i>100A(Interrupted)/125A(Uninterrupted)</i>	ZTP	EP1	1	E_CQD_TEL_0007																																																																																																																																																																																																			
6.FU1	CNL250DIN	<i>Traction Fuse 250A</i>	MERSEN	EP1	1																																																																																																																																																																																																				
6.FU2	0102002	<i>Fuse 5x20F STD 2A 250V</i>	Italweber	EP1	1	E_CQD_FUS_0016																																																																																																																																																																																																			
6.GF1	470336321	1232SE-6321 48-80V 250A	Curtis	EP1	1	E_CQD_AZN_0008																																																																																																																																																																																																			
6.KM1	C29556	<i>Contacto SW80B/6 24V C0</i> <i>100A(Interrupted)/125A(Uninterrupted)</i>	ZTP	EP1	1	E_CQD_TEL_0007																																																																																																																																																																																																			
10.FU1	DF101 FNQ-20	<i>Fuse holder 32A 10x38 1P</i> FNQ-20 BUSS MIDGET Fusibile	Schneider Electric Eaton	EP1	1 1	E_CQD_FUS_0024																																																																																																																																																																																																			
10.FU2	DF101 FNQ-20	<i>Fuse holder 32A 10x38 1P</i> FNQ-20 BUSS MIDGET Fusibile	Schneider Electric Eaton	EP1	1 1	E_CQD_FUS_0024																																																																																																																																																																																																			
10.FU3	0101001	<i>Fuse 5x20F STD 1A 250V</i>	Italweber	EP1	1	E_CQD_FUS_0015																																																																																																																																																																																																			
10.GS1	RSD-500D-24	<i>DC/DC converter 67-154/24V 20A</i>	Mean Well	EP1	1	E_ALM_DTD_0008																																																																																																																																																																																																			
10.HL1	ZB4BV013	<i>White pilot light head for ø22 units with smooth lens</i>	Schneider Electric	EP1	1	E_CCS_LED_0012																																																																																																																																																																																																			
	ZB4BZ009	<i>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</i>	Schneider Electric		1	E_ACC_CCS_0007																																																																																																																																																																																																			
	ZBVB1	<i>White light element for Ø22 24V head</i>	Schneider Electric		1	E_CCS_LED_0039																																																																																																																																																																																																			
10.KM1	LC1D18EHE	<i>Tesys D Contactor - 3P(3 NO) 1 NO 1 NC - AC-3 - <= 440 V 18 A - 48-130 V AC/DC Coil - Screw terminals</i>	Schneider Electric	EP1	1	E_CQD_RLY_0050																																																																																																																																																																																																			
10.SA1	ZB4BG4 ZB4BZ009	<i>Keyed selector switch</i> <i>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</i>	Schneider Electric Schneider Electric	EP1	1 1	E_CCS_KEY_0001 E_ACC_CCS_0007																																																																																																																																																																																																			
	ZBE101	<i>Single contact block for circular pushbutton Ø 22 mm - 1NO with silver alloy screw terminals</i>	Schneider Electric		2	E_CCS_CNT_0007																																																																																																																																																																																																			
11.HA2	23265800000	<i>IP65 sounder with volume control</i>	Pfannenberg	EP1	1	E_CQD_VEN_0013																																																																																																																																																																																																			
	28300000011	<i>Gasket for sounder P28 DMX</i>	Pfannenberg		1	E_CQD_VEN_0014																																																																																																																																																																																																			
14.SH1	ZB4BW313	<i>White luminous wire pushbutton head for Ø22 units with spring return</i>	Schneider Electric	EP1	1	E_CCS_PLS_0005																																																																																																																																																																																																			
	ZB4BZ009	<i>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</i>	Schneider Electric		1	E_ACC_CCS_0007																																																																																																																																																																																																			
	ZBE101	<i>Single contact block for circular pushbutton Ø 22 mm - 1NO with silver alloy screw terminals</i>	Schneider Electric		1	E_CCS_CNT_0007																																																																																																																																																																																																			
	ZBVB1	<i>White light element for Ø22 24V head</i>	Schneider Electric		1	E_CCS_LED_0039																																																																																																																																																																																																			
16.A1	CS MP202M0	<i>CS MP202M0 Programmable Multi-function Safety Module</i>	Pizzato Elettrica	EP1	1	E_CQD_BRD_0155																																																																																																																																																																																																			
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A	17.KA1	3RT2018-1BB42		Power Contactor, AC-3 16 A, 7.5 kW / 400 V 1 NC, 24 V DC 3 Poles, Size S00 Screw Terminals		Siemens		EP1		1		E_CQD_RLY_0026							
		3RT2916-1LM00		LED diode,DC 24-70V,S00,		Siemens				1		E_CCS_DID_0002							
	17.KA2	3RT2018-1BB42		Power Contactor, AC-3 16 A, 7.5 kW / 400 V 1 NC, 24 V DC 3 Poles, Size S00 Screw Terminals		Siemens		EP1		1		E_CQD_RLY_0026							
		3RT2916-1LM00		LED diode,DC 24-70V,S00,		Siemens				1		E_CCS_DID_0002							
	17.KA3	2702663		Relé SLIM SIL3 1NO+1NC 24VDC		Phoenix Contact		EP1		1		E_CQD_RLY_0046							
	19.R1	R120Ω		Resistance 120Ω		Various		EP1		1		E_CQD_RES_0003							
	19.W1	CR0403		PLC 12 inputs and 12 outputs		ifm		EP1		1		E_CQD_PLC_0001							
		EC0456		Contact Kit		Ifm				1		E_CQD_TER_0003							
	20.SH1	ZB4BW383		Yellow luminous wire pushbutton head for Ø22 units with spring return		Schneider Electric		EP1		1		E_CCS_PLS_0001							
		ZB4BZ009		Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack		Schneider Electric				1		E_ACC_CCS_0007							
		ZBVB1		White light element for Ø22 24 V head		Schneider Electric				1		E_CCS_LED_0039							
		ZBE101		Single contact block for circular pushbutton Ø 22 mm - 1NO with silver alloy screw terminals		Schneider Electric				1		E_CCS_CNT_0007							
C	23.HL1	ZB4BV043		Red pilot light head for ø22 units with flat lens		Schneider Electric		EP1		1		E_CCS_LED_0014							
		ZB4BZ009		Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack		Schneider Electric				1		E_ACC_CCS_0007							
		ZBVB1		White light element for Ø22 24 V head		Schneider Electric				1		E_CCS_LED_0039							
D	23.KA1	34.51.7.024.0010		Mini Relay for EMR 1CO 24VDC 6A DC		Finder		EP1		1		E_CQD_RLY_0028							
		93.61.7.024		socket with socket clamps Masterbasic		Finder				1		E_ACC_RLY_0007							
	23.KA2	34.51.7.024.0010		Mini Relay for EMR 1CO 24VDC 6A DC		Finder		EP1		1		E_CQD_RLY_0028							
		93.61.7.024		socket with socket clamps Masterbasic		Finder				1		E_ACC_RLY_0007							
	24.KA1	34.81.7.024.9024		Mini Relay for SSR 1No 24VDC 6A		Finder		EP1		1		E_CQD_RLY_0029							
		93.61.7.024		socket with socket clamps Masterbasic		Finder				1		E_ACC_RLY_0007							
E	25 x 80	02578		T1-EN 25X80 G CAN. CABL.		Bocchiotti		EP1		0.84		E_CNL_PLA_0003							
	31.A1	E73008		M12 5pin A Panel Connector		Ifm		EP1		1		E_CQD_CON_0012							
		1456200		M12 dust cap		Phoenix Contact				1		E_ACC_CON_0012							
	31.D1	EBC116		Shunt M12 2F 1M		Ifm		EP1		1		E_CON_MAS_0004							
	31.D2	EBC116		Shunt M12 2F 1M		Ifm		EP1		1		E_CON_MAS_0004							
	31.W1	CR0451		Display LCD		Ifm		EP1		1		E_CQD_HMI_0001							
		EC0403		Mounting bracket		Ifm				1		E_ACC_HMI_0001							
	35 x 15	023650 b=Ø5,5		TS 35x15 b=Ø5,5		Weidmuller		EP1		0.78		E_GUI_DIN_0001							
	40 x 80	02581		T1-EN 40X80 G CAN. CABL.		Bocchiotti		EP1		1.29		E_CNL_PLA_0002							
	-B1	ISO2190		PA insulating pedestal M8 H35		Teknomega		EP1		2		E_CQD_ISO_0002							
EP1	BIE/132		Quadro 900x450x250 2 doors		Zanardo		EP1		1		E_QDR_STD_0130								
	8004		Yale Key Lock		Zanardo				1		E_ACC_QDR_0010								
	Electrical voltage sticker 140x140x140		Electrical voltage sticker 140x140x140		Various				1		G_TAR_ADS_0007								
F					COMMESSA		M2761		DATA		08/07/2026		DOCUMENTO		SGAE VC R 25/2		SCALA		
									DOC.Nr.		M2761_1							Fogli Totali	
					POSTEL GROUP TX USA				FILE		M2761_REV1_IT		DISTINTA MATERIALI					49	
							MORELLO S.R.L.		DISEGN.		R.G.		Bill of Materials				Foglio	Foglio Seguento	
	REV.	MODIFICA		DATA	FIRMA					APPR.								47	48
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POSTEL GROUP TX USA



MORELLO S.R.L.

DISTINTA MATERIALI

Bill of Materials

Fogli Totali

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Name/Item	type/type	Descrizione/Description	Manufacturer/Marke	Quadro/Board	Q.ta/Q.ty	Internal code
EP1	80v 140x30 sticker	Adhesive plate 80V 140x30	Various	EP1	1	G_TAR_ADS_0017
	24v 140x30 sticker	Adhesive plate 24V 140x30	Various		1	G_TAR_ADS_0001
	268000-GB	Red Sticker Plate in English DPR	Cembre		1	G_TAR_ADS_0015
	ZB5SZ3	Black Circular Shutter Cap Ø22	Schneider Electric		3	E_ACC_CCS_0004
EP1	RRPTAL85040010	aluminum plate 850x400x10	REAR	EP1	1	E_ACC_QDR_0012
W1	E11598	Canopen M12 M-Cable 2m	Ifm	EP1	1	E_CAV_CON_0016
W2	7000-40542-8030110	Canopen cable M12 M-F 90° 1.10m	MURR ELEKTRONIK	EP1	1	E_CAV_CON_0061
W3	E11591	Canopen cable M12 M-F 0.30m	Ifm	EP1	1	E_CAV_CON_0005
W4	7000-40542-8030110	Canopen cable M12 M-F 90° 1.10m	MURR ELEKTRONIK	EP1	1	E_CAV_CON_0061
X1	1674300000	Double clamp ZDK 2.5/1.5	Weidmuller	EP1	28	E_CQD_TER_0010
	1689990000	ZDK 2.5/1.5V Dual Clamp	Weidmuller		44	E_CQD_TER_0011
	2429860000	AFS 4 2C BK Fuse terminal block, push in, 4 mm ² , 500 V, 6.3 A, black	Weidmuller		2	E_CQD_TER_0019
	9540000000	Fixing terminal for TS 35 ZEW 35 /6mm	Weidmuller		2	E_CQD_TER_0018

				COMMESSA M2761		DATA 08/07/2026	DOCUMENTO SGAE VC R 25/2		SCALA	
				POSTEL GROUP TX USA		DOC.Nr. M2761_1	DISTINTA MATERIALI			Fogli Totali
						FILE M2761_REV1_IT				49
						DISEGN. R.G.			Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			APPR.			48	49



MORELLO S.R.L.

Bill of Materials

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Name/Item	type/type	Descrizione/Description	Manufacturer/Marke	Quadro/Board	Q.ta/Q.ty	Internal code
XP3	CSHM 16	Socket plug, 16 pin PE, connection with Squich spring clamp, 16A max, 500 V, 6kV, 3, with male contacts, silver-plated, size 77.27, Frutti Series Class Tecnica	Ilme	PB1	1	E_CON_MAS_0003
	CHV 16 L	Mobile enclosure with single lock with pegs, vertical outlet PG 21	Ilme		1	E_ACC_CON_0002

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