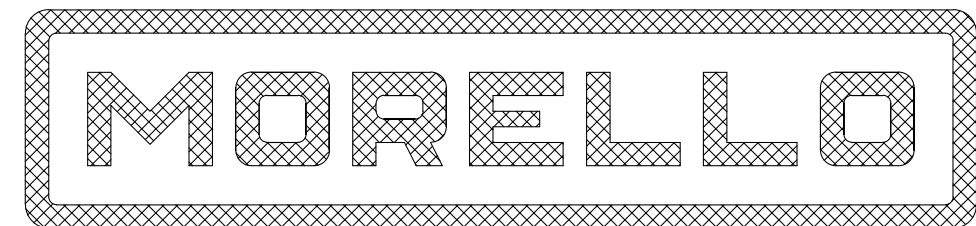


\t1.15; wiring diagram:
Self-propelled
eries: SGAE-E ±90° P 38
trolley 3 - Pallet truck



MORELLO GIOVANNI S.R.L.
MATERIAL HANDLING TECHNOLOGY SINCE 1946



customer:
YAMAHA MOTOR MANUFACTURING

n. order:
2750(1-2)

specifications:

Certification:	USA
Feeding:	UL
Control voltage:	80V
Operating Temperature:	24V
	0°C...+40°C
Scope:	38t
Axles and wheels:	1 assi / 1 asse sterzante / 1 ruota motrice + 4 ruote folli
Securities:	1 Lampeggiatore giallo e 1 segnalatore acustico
	1 Clacson
	2 Sensori sterzata + 1 Encoder sterzata
	2 Freni negativi nei motori trazione
	1 Serratura sicurezza



				COMMESSA	M2750(1-2)	DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA		
						DOC.Nr.	M2750(1-2)_0				Fogli Totali	49
						FILE	M2750(1-2)_REV2	ENTITOLLO			Foglio	Foglio Seguento
						DISEGN.	R.G.	title			1	1A
						APPR.						
REV.	MODIFICA	DATA	FIRMA									



STANDARD

CE STANDARD

Conductor color

Nero (BK) :	Main current circuits for direct and alternating voltage
Light Blue (LBU):	Neutral conductor for alternating voltage
Red (RD) :	AC voltage control circuits
Blue (bu):	Control circuits for DC voltage
Orange (OG) :	External ring/voltage wires before main switch
green-yellow (gnye):	Protective conductor

Leading cross-section

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

Color

Nero:	(BK)
Marrone:	(BN)
Red:	(RD)
Orange:	(OG)
Yellow:	(YE)
Green:	(GN)
Blue:	(BU)
light blue:	(LBU)
purple:	(VT)
Grey:	(GY)
White:	(WH)
Rosa:	(PK)
Gold:	(GD)
Turquoise:	(TQ)
Silver:	(SR)
light blue:	(PB)
Transparency:	(TR)
Green/Yellow:	(GN/YE)
Screen:	(SH)

UL/CSA STANDARD

Conductor color

Nero (BK) :	Main current circuits for direct and alternating voltage operating at the supply voltage
Red (RD) :	control system for ungrounded sieved current operating at a voltage lower than the supply voltage
White (wh):	grounded flood current control circuit, regardless of voltage
Blue (bu):	Control circuits protected for DC voltage
White/Blue (Wh/Bu):	Common grounded DC current
Orange (OG) :	Ungrounded AC or DC power cords that remain energized when the main disconnecter is turned off
White/Orange (Wh/Og):	grounded AC or DC power wires that provide power when the main disconnecter is disconnected
Green/Yellow (GN/YE):	Protective conductor

Leading cross-section

All conductors not marked for 24V DC: 20AWG

				COMMESSA	M2750(1-2)	DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA	
						DOC.Nr.	M2750(1-2)_0				Fogli Totali
						FILE	M2750(1-2)_REV2_EN		NORMATIVE COLORAZIONI CONDUTTORI		49
						DISEGN.	R.G.			Foglio	Foglio Seguento
REV.	MODIFICA		DATA	FIRMA		APPR.			Guide Staining Regulations	1A	1B

	0	1	2	3	4	5	6	7	8	9			
A												A	
B												B	
C												C	
D												D	
E												E	
F					COMMESSA M2750(1-2)		DATA 24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET			SCALA		F
					YAMAHA MOTOR MANUFACTURING			REVISIONI <i>Revisions</i>				Fogli Totali	
											49		
											Foglio	Foglio Seguento	
REV.	MODIFICA		DATA	FIRMA			MORELLO GIOVANNI S.R.L.					1B	2
	0	1	2	3	4	5	6	7	8	9			

[illegible]

A

B

C

D

E

F

A

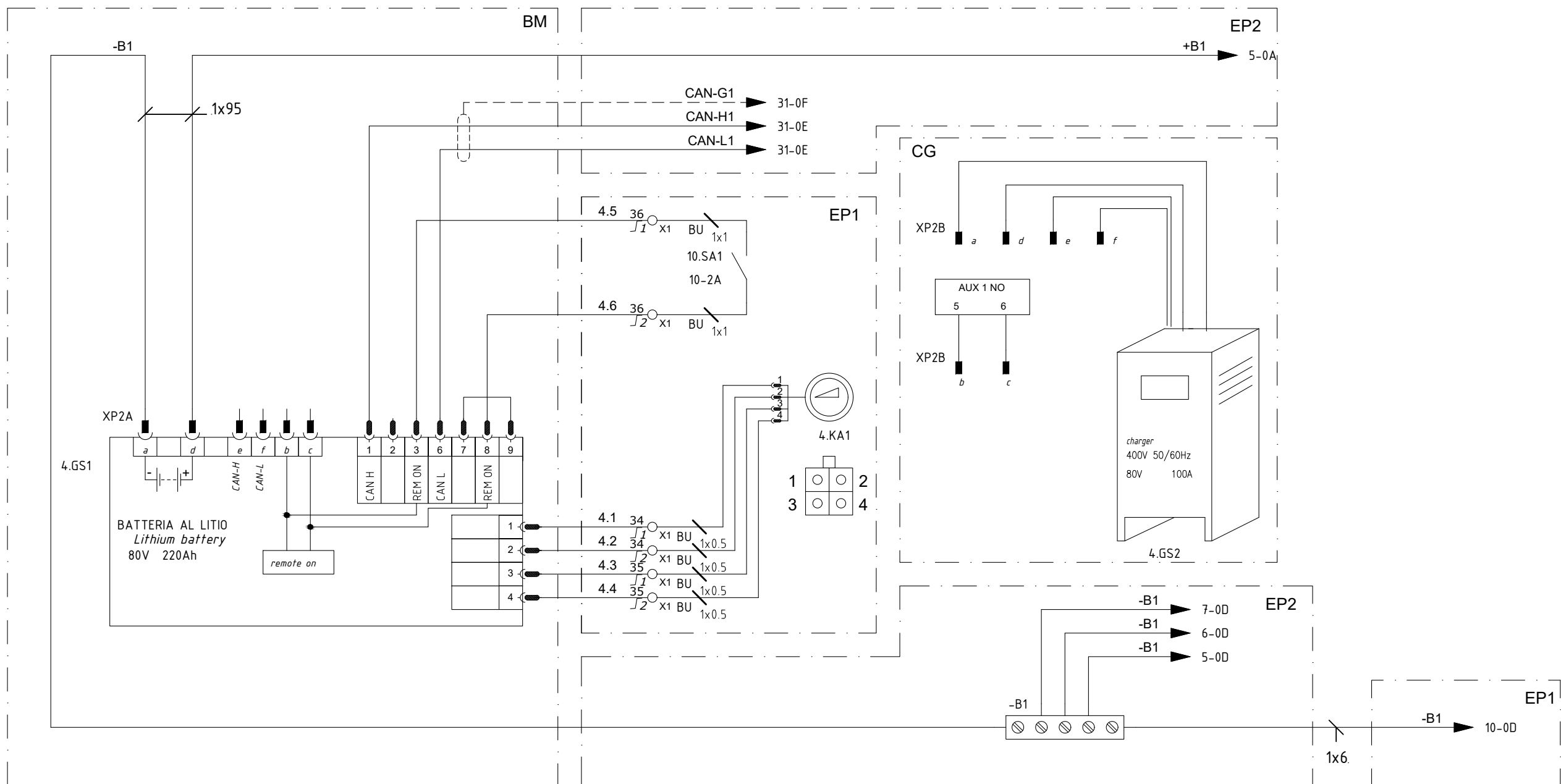
B

C

D

E

F



REV.	MODIFICA	DATA	FIRMA

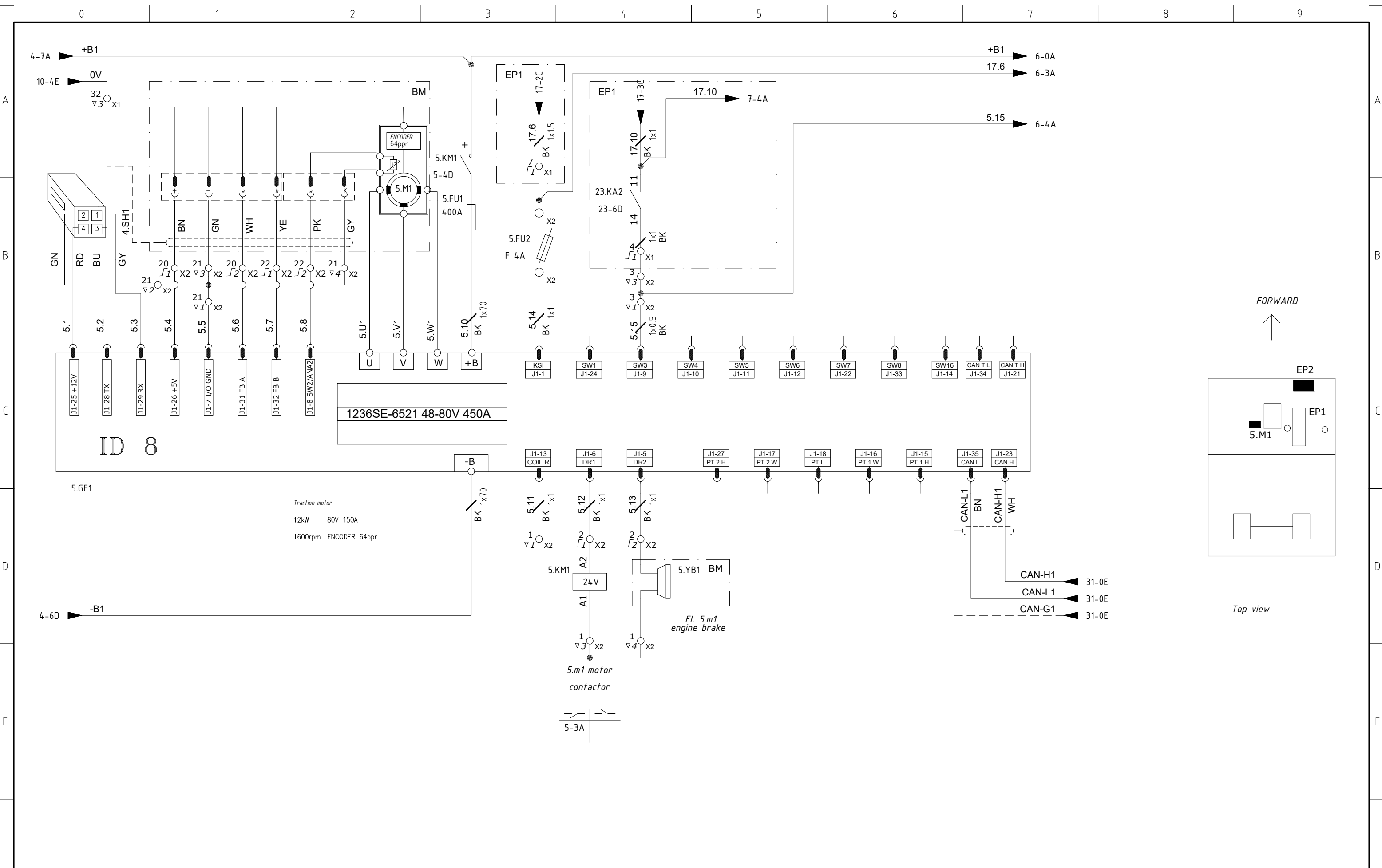
COMMESSA **M2750(1-2)**
YAMAHA MOTOR MANUFACTURING



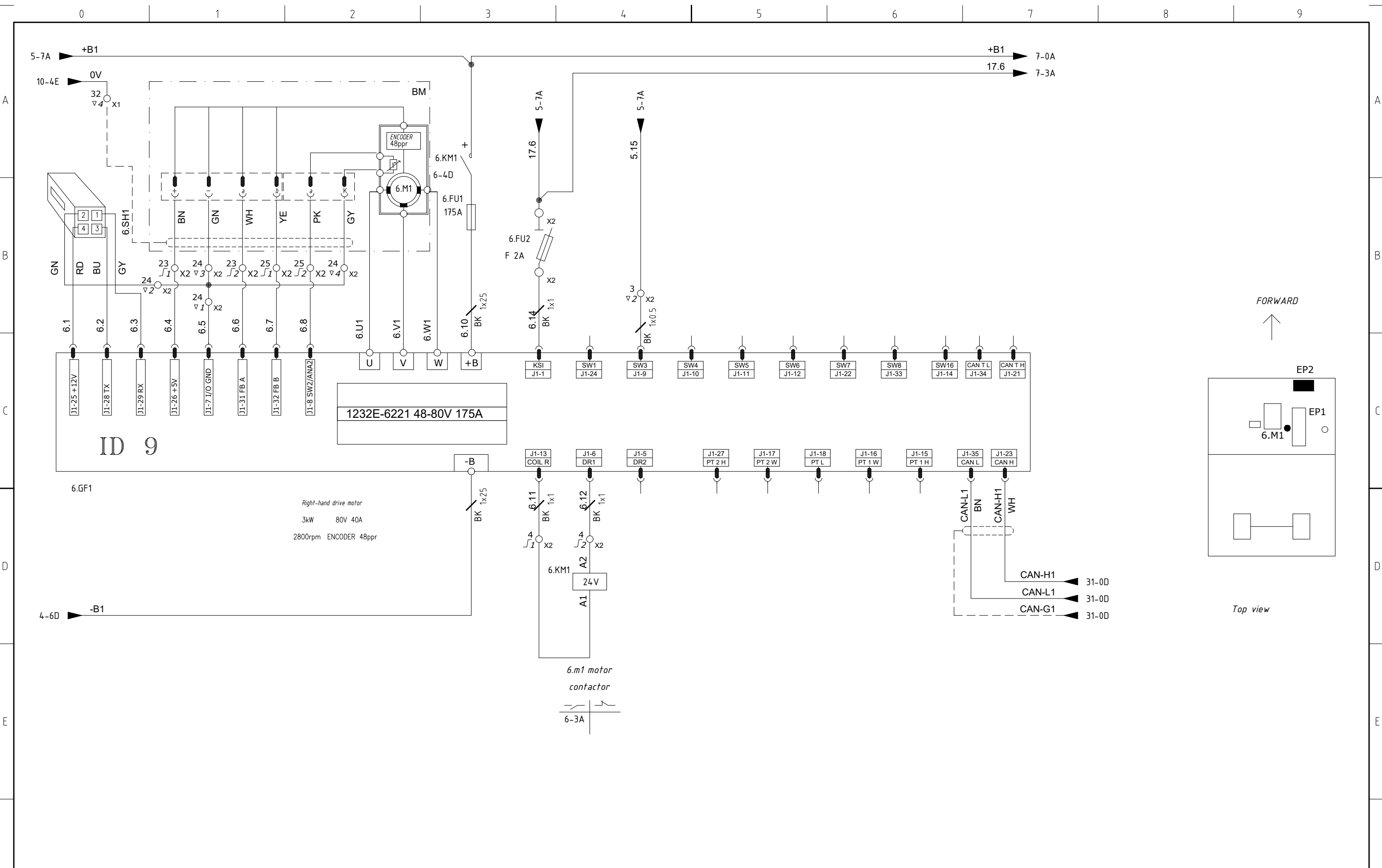
DATA 24-02-2026
DOC.Nr. M2750(1-2)_0
FILE M2750(1-2)_REV2_ENG
DISEGN. R.G.
APPR.

DOCUMENTO **SGAE-E ±90° P 38/3 - TRANSPALLET**
BATTERIA
battery

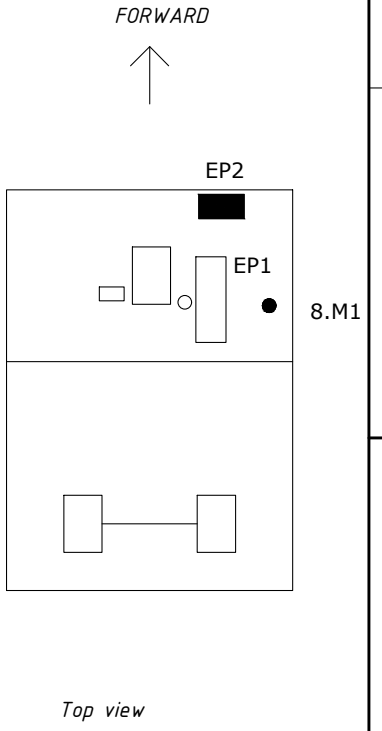
SCALA	
	Fogli Totali
	49
Foglio	Foglio Seguento
4	5



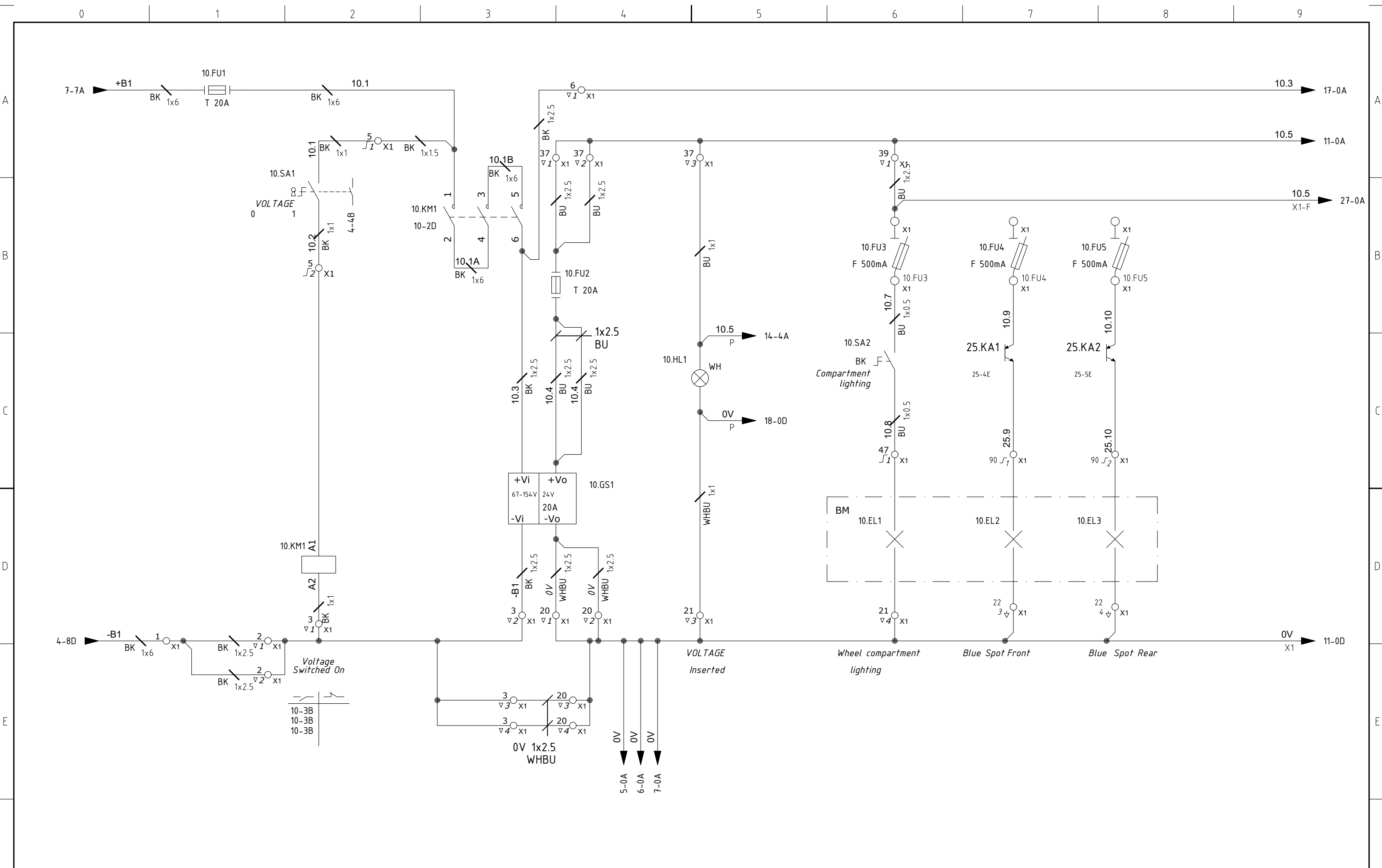
				COMMESSA		DATA		DOCUMENTO		SCALA	
				M2750(1-2)		24-02-2026		SGAE-E ±90° P 38/3 - TRANSPALLET			
						DOC.Nr. M2750(1-2)_0				Fogli Totali	
				YAMAHA MOTOR MANUFACTURING		FILE M2750(1-2)_REV2_ENG		CONTROLLORE MOTORE TRAZIONE		49	
				MORELLO MORELLO GIOVANNI S.R.L.		DISEGN. R.G.		Traction Motor Controller		Foglio	
						APPR.				Foglio Seguento	
REV.	MODIFICA	DATA	FIRMA							5	6
0		1		2		3		4		5	
6		7		8		9					



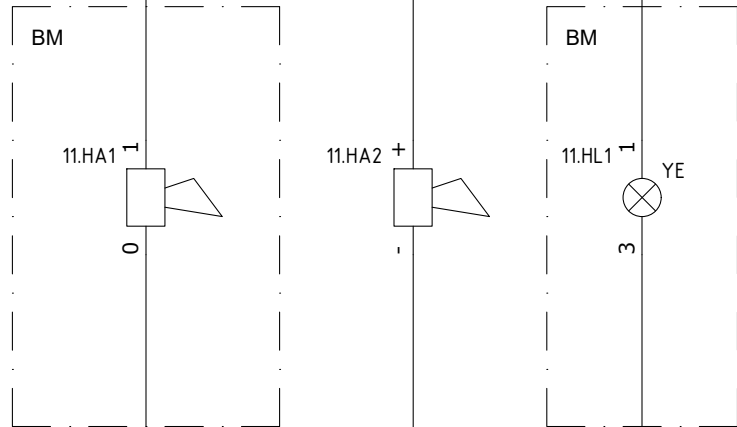
				COMMESSA		DATA	DOCUMENTO	SCALA	
				M2750(1-2)		24-02-2026	SGAE-E ±90° P 38/3 - TRANSPALLET		Fogli Totali
				YAMAHA MOTOR MANUFACTURING		DOC.Nr. M2750(1-2)_0	CONTROLLORE MOTORE STERZATURA		49
				MORELLO		FILE M2750(1-2)_REV2_ENG	Steering Motor Controller		Foglio
				MORELLO GIOVANNI S.R.L.		DISEGN. R.G.			6
						APPR.			7
REV.	MODIFICA	DATA	FIRMA						



				COMMESSA	M2750(1-2)	DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA	
						DOC.Nr.	M2750(1-2)_0				Fogli Totali
						FILE	M2750(1-2)_REV2_ENG	CONTROLLORE MOTORE POMPA			49
						DISEGN.	R.G.	Pump Motor Controller		Foglio	Foglio Seguento
REV.	MODIFICA		DATA	FIRMA			APPR.			7	10
					YAMAHA MOTOR MANUFACTURING						
						MORELLO GIOVANNI S.R.L.					



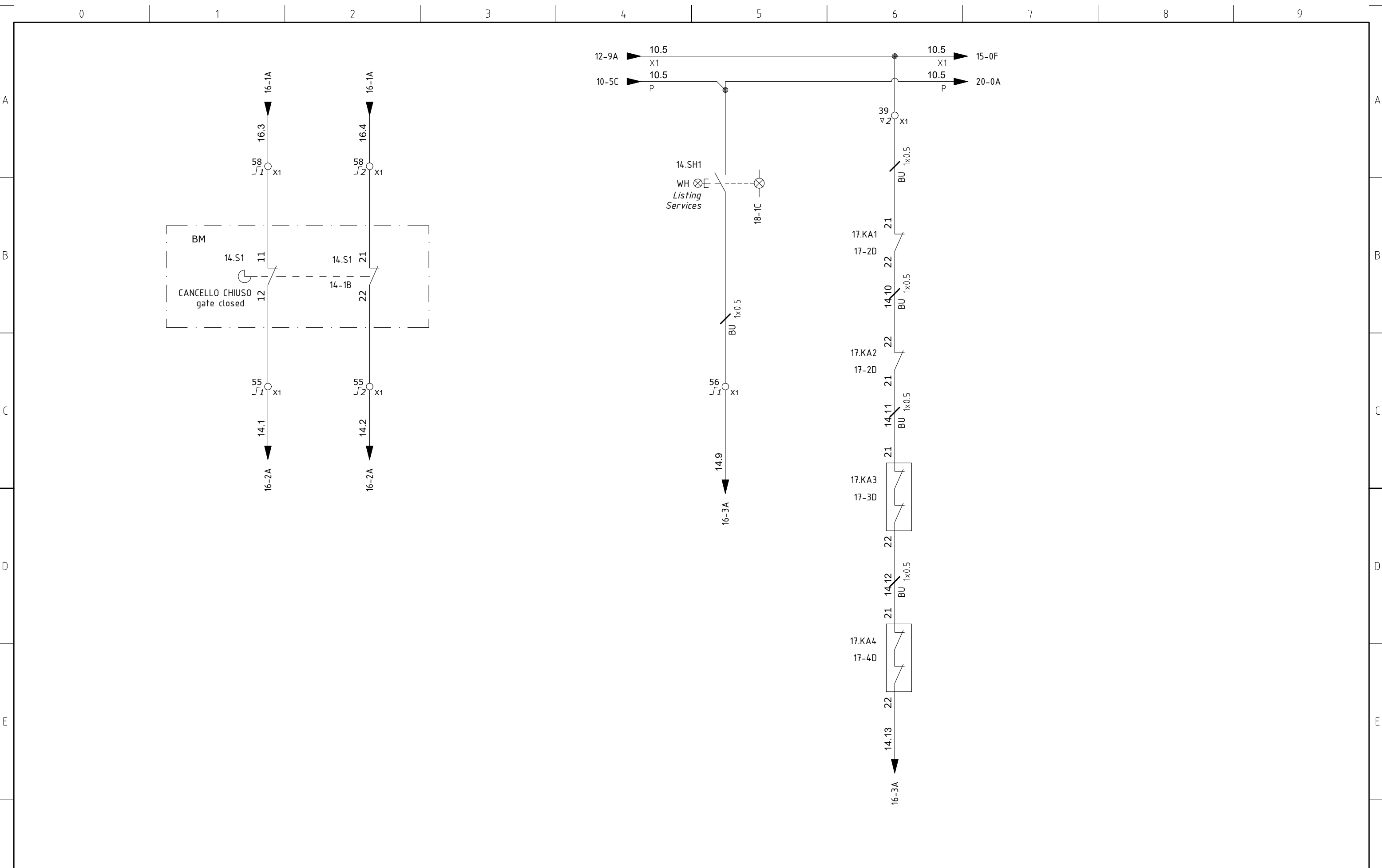
F					COMMESSA M2750(1-2)		DATA 24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA		F
						DOC.Nr. M2750(1-2)_0			Fogli Totali		
						FILE M2750(1-2)_REV2_EN	ALIMENTAZIONE AUSILIARI <i>AUXILIARY CIRCUIT POWER SUPPLY</i>		49		
						DISEGN. R.G.			Foglio	Foglio Seguento	
	REV.	MODIFICA	DATA	FIRMA		APPR.			10	11	
					YAMAHA MOTOR MANUFACTURING						
						MORELLO GIOVANNI S.R.L.					



Moving trolley signalling

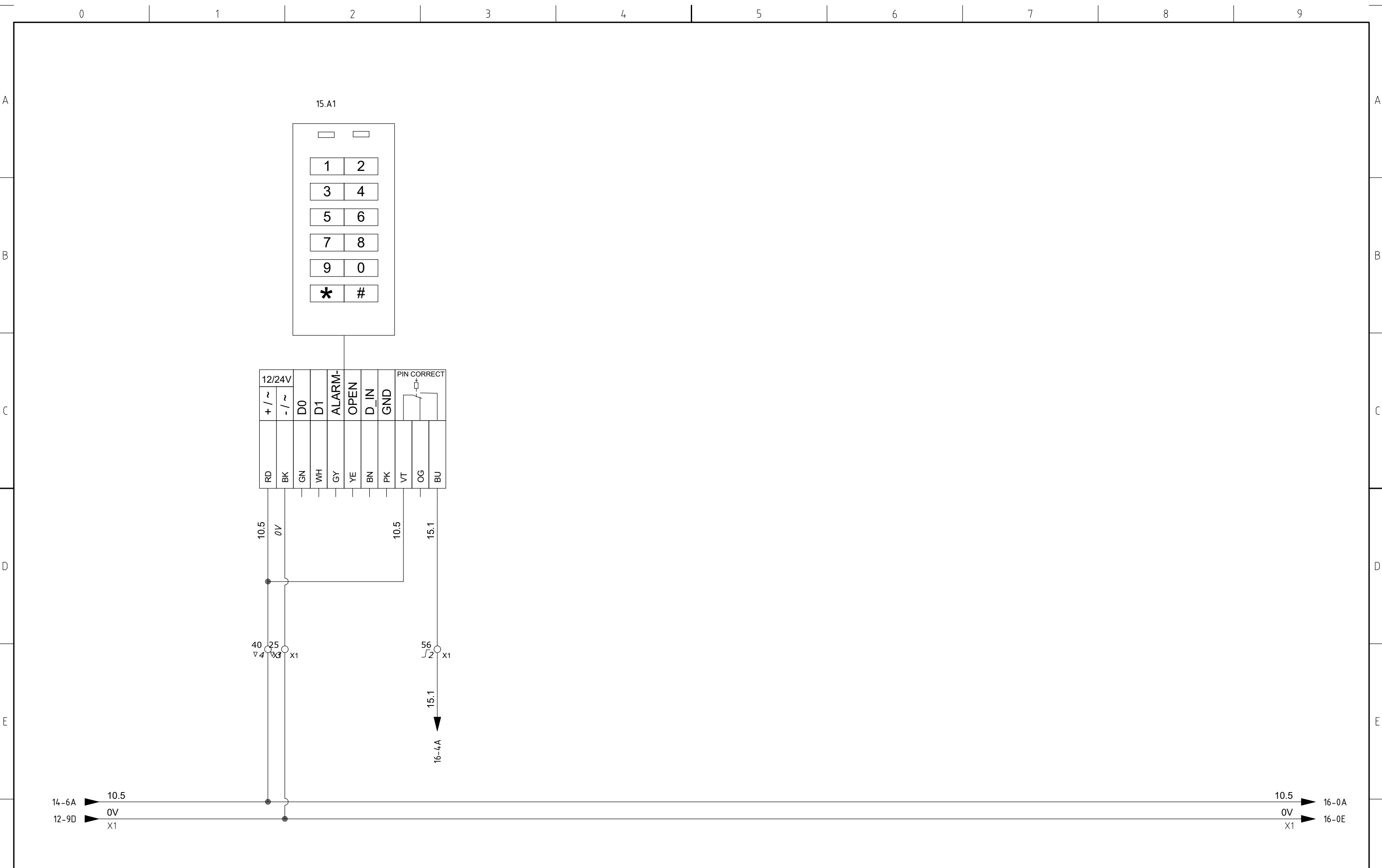
				COMMESSA	M2750(1-2)	DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA	
						DOC.Nr.	M2750(1-2)_0				Fogli Totali
						FILE	M2750(1-2)_REV2_ENG				49
						DISEGN.	R.G.		SEGNALAZIONI CARRELLO		Foglio Seguento
REV.	MODIFICA		DATA	FIRMA	YAMAHA MOTOR MANUFACTURING		APPR.		Cart Reports	11	12
											
						MORELLO GIOVANNI S.R.L.					

1

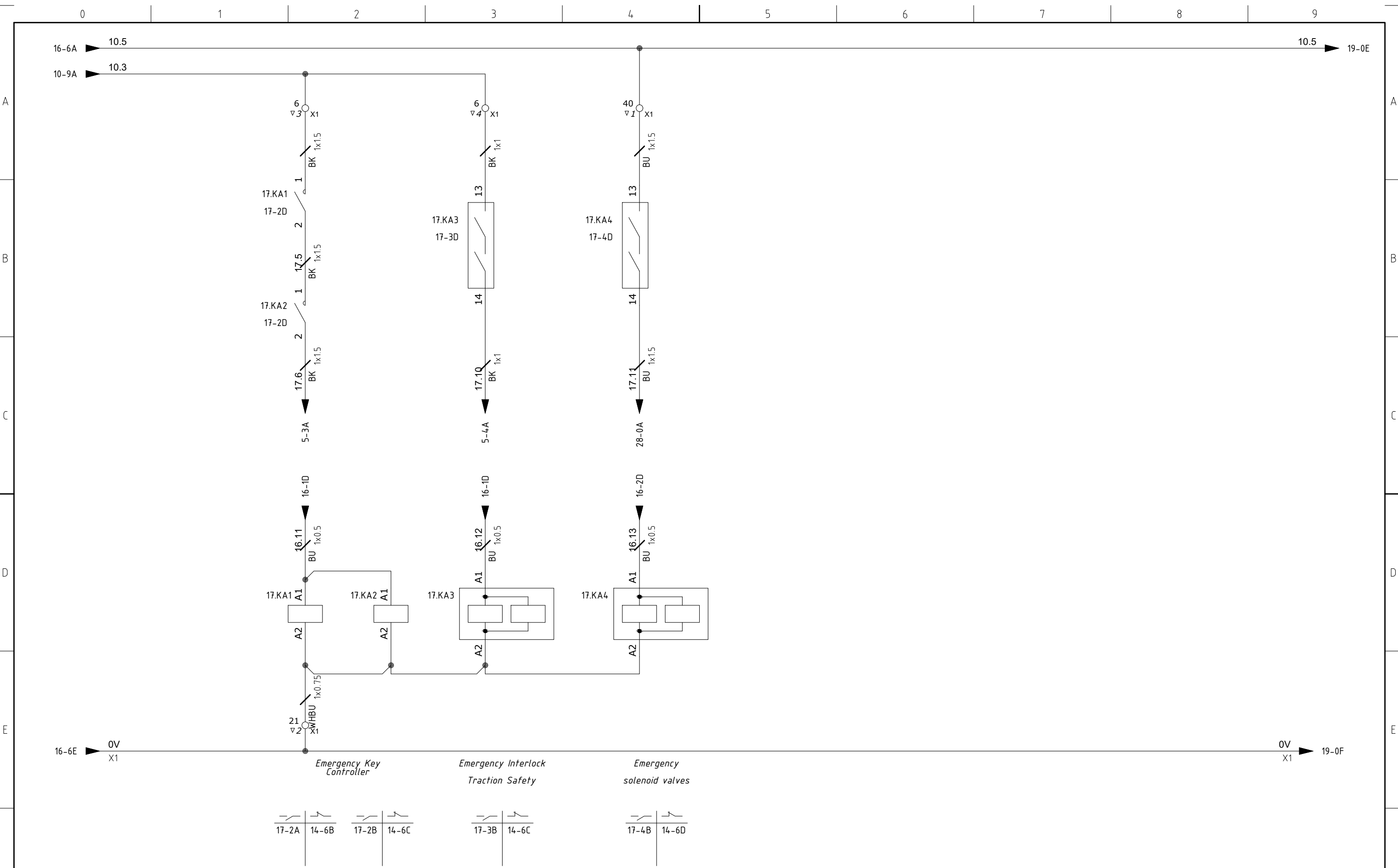


				COMMESSA		DATA	DOCUMENTO	SCALA	
				M2750(1-2)		24-02-2026	SGAE-E ±90° P 38/3 - TRANSPALLET		Fogli Totali
				YAMAHA MOTOR MANUFACTURING		DOC.Nr. M2750(1-2)_0	EMERGENZE BM E RESET		49
						FILE M2750(1-2)_REV2_EN	BM Emergencies and Reset	Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			DISEGN. R.G.		14	15
						APPR.			

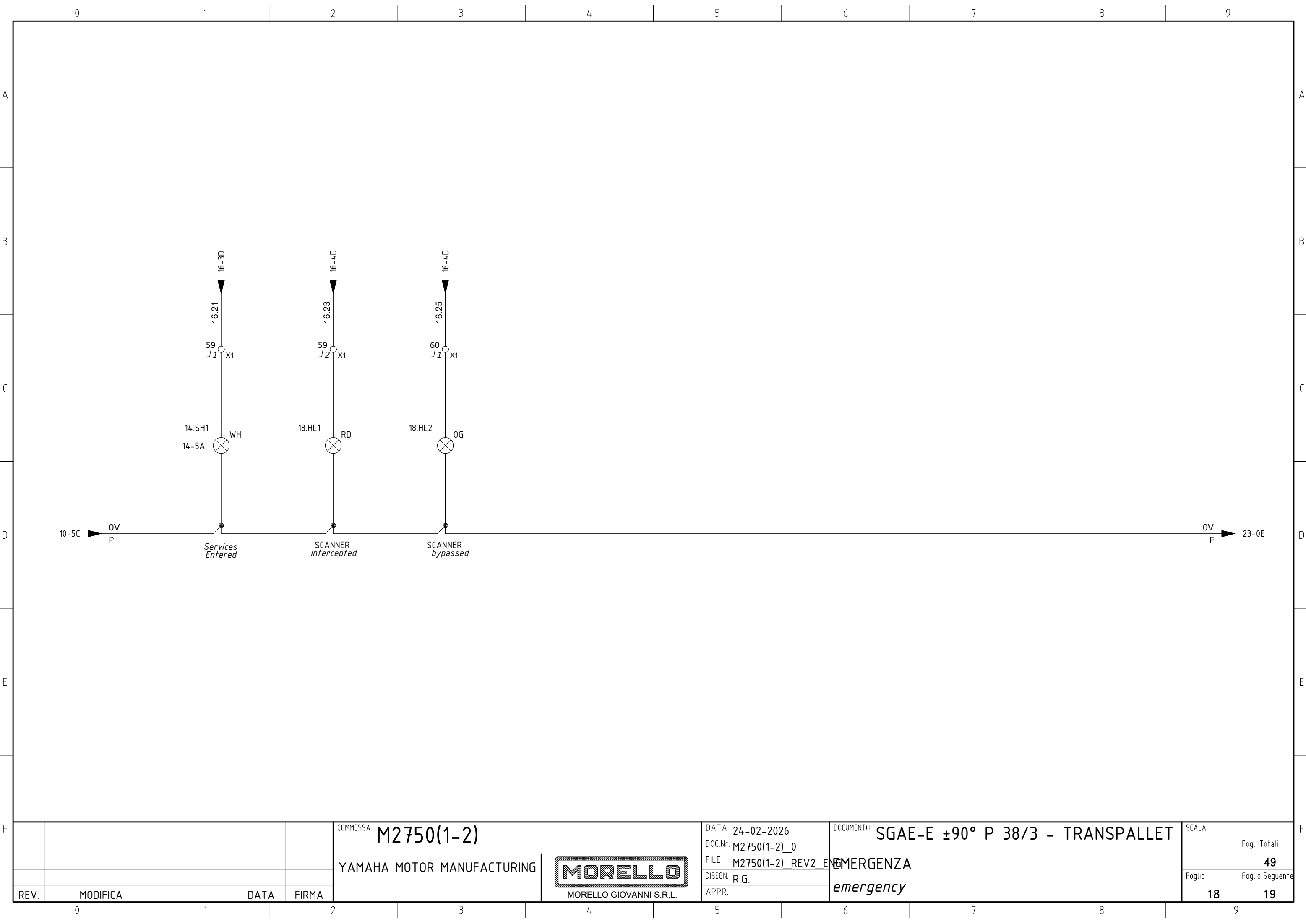




F					COMMESSA	M2750(1-2)	DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA	
							DOC.Nr.	M2750(1-2)_0				Fogli Totali
							FILE	M2750(1-2)_REV2_ENT	FASTIERINO BYPASS SCANNER			49
					YAMAHA MOTOR MANUFACTURING		DISEGN.	R.G.	Scanner bypass keypad		Foglio	Foglio Seguento
REV.	MODIFICA		DATA	FIRMA		MORELLO GIOVANNI S.R.L.	APPR.				15	16
	0	1	2			3	4	5	6	7	8	9



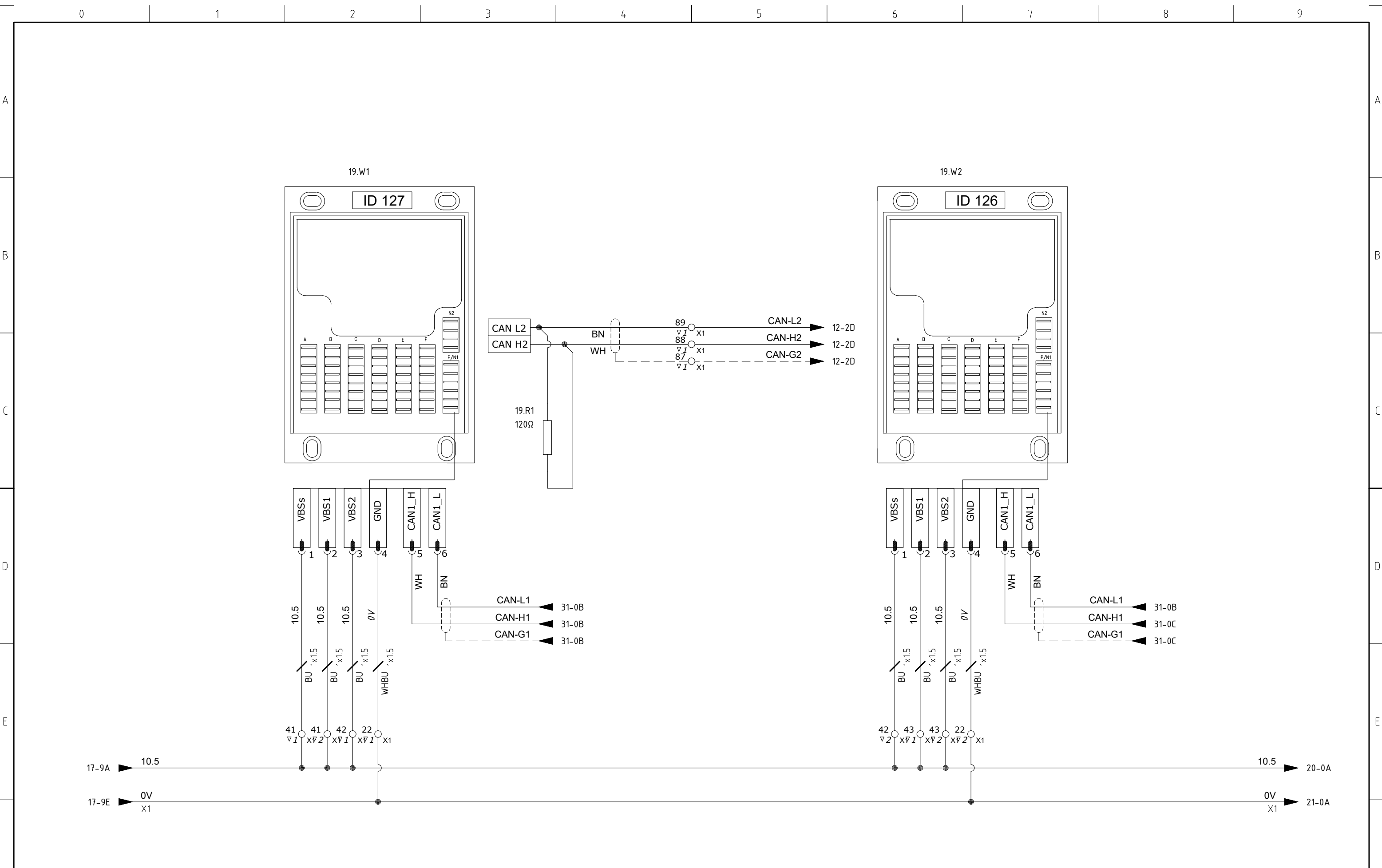
				COMMESSA	M2750(1-2)		DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET		SCALA	
							DOC.Nr.	M2750(1-2)_0					Fogli Totali
					YAMAHA MOTOR MANUFACTURING		FILE	M2750(1-2)_REV2_EN	EMERGENZA				49
							DISEGN.	R.G.	emergency			Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA				APPR.					17	18



				COMMESSA	M2750(1-2)	DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA	
						DOC.Nr.	M2750(1-2)_0				Fogli Totali
						FILE	M2750(1-2)_REV2_ENG	EMERGENZA			49
						DISEGN.	R.G.	emergency		Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA		YAMAHA MOTOR MANUFACTURING	APPR.				18	19



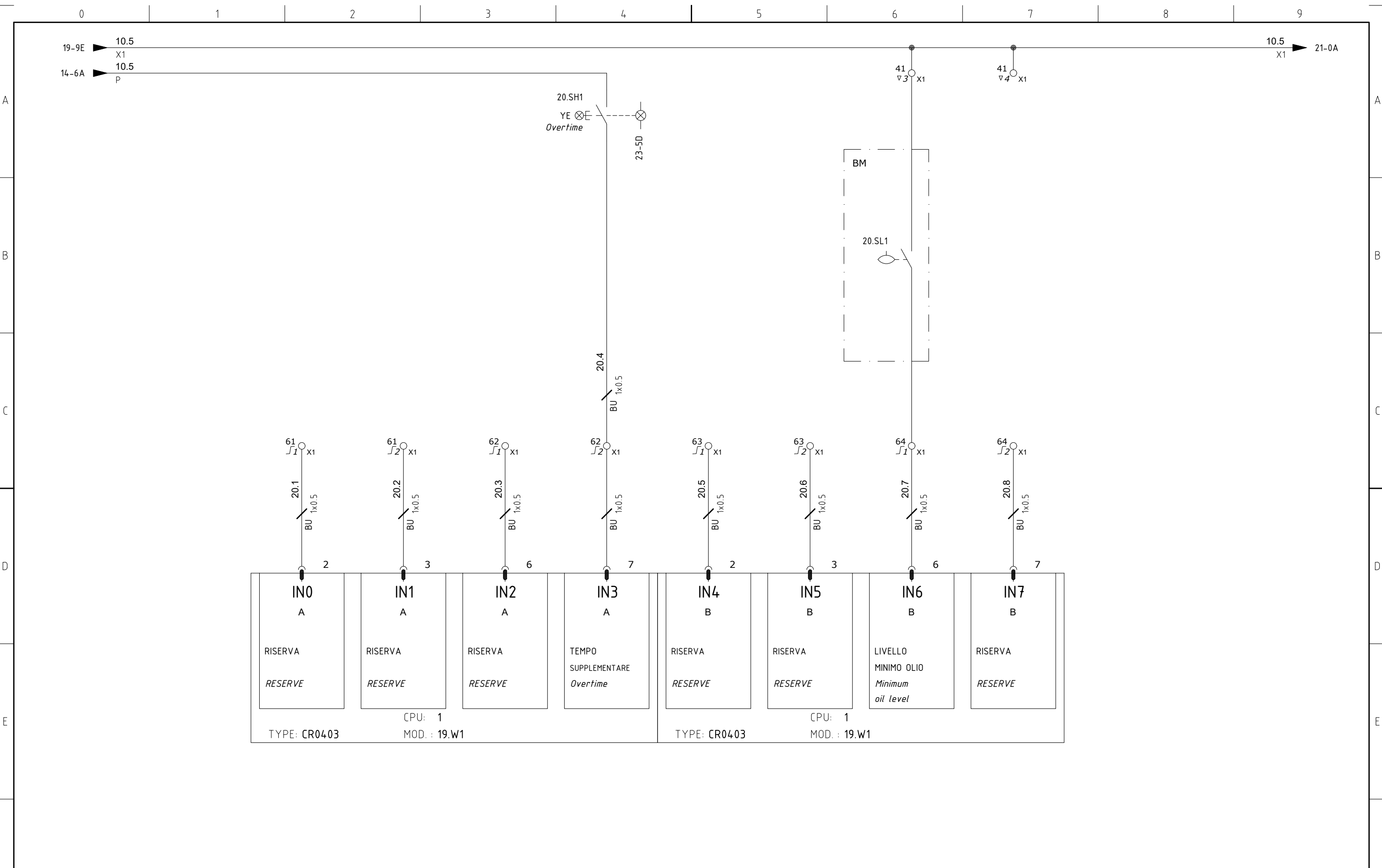
MORELLO GIOVANNI S.R.L.



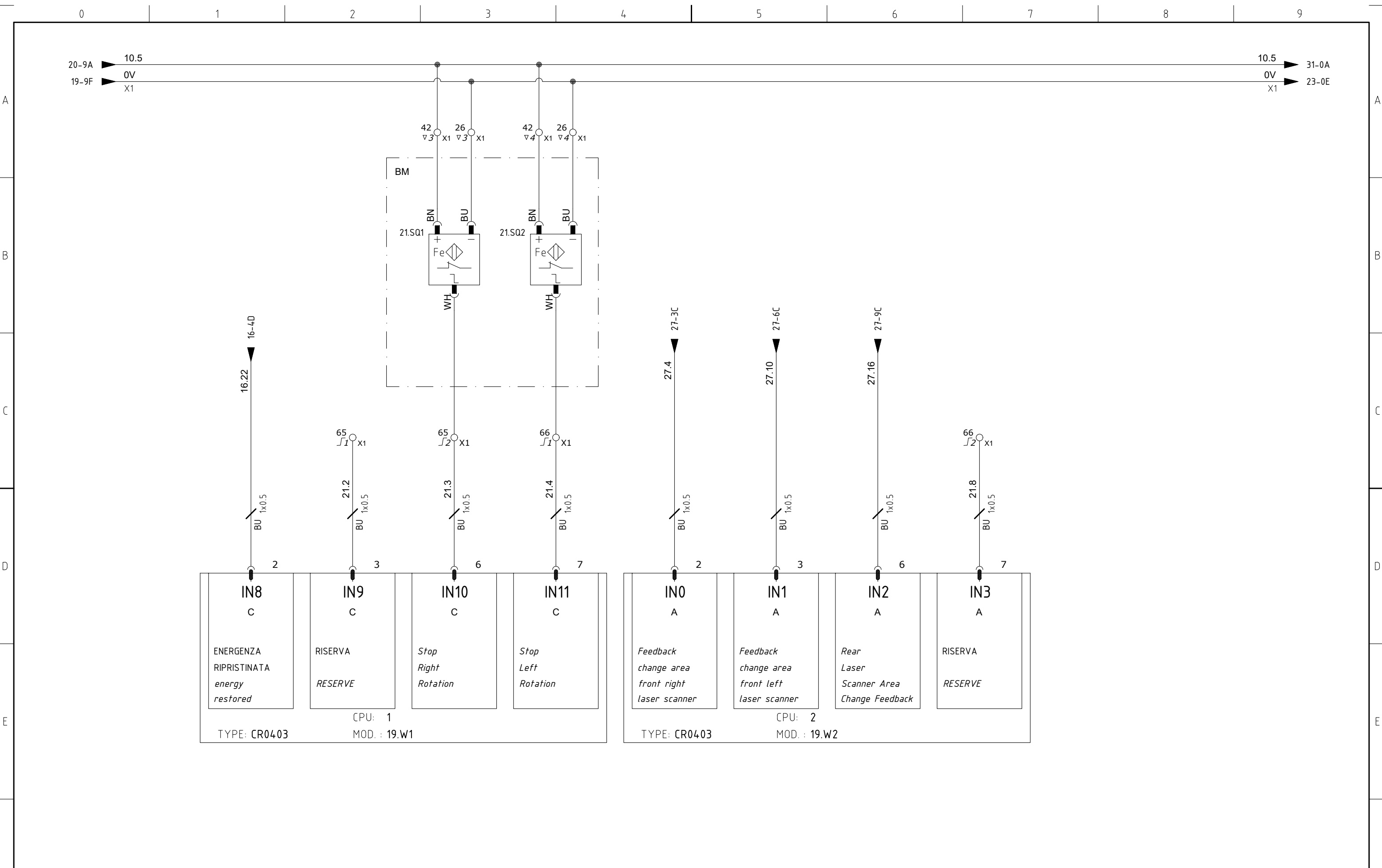
				COMMESSA		DATA	DOCUMENTO	SCALA	
				M2750(1-2)		24-02-2026	SGAE-E ±90° P 38/3 - TRANSPALLET		Fogli Totali
				YAMAHA MOTOR MANUFACTURING		DOC.Nr. M2750(1-2)_0	PLC ALIMENTAZIONE E CANBUS		49
						FILE M2750(1-2)_REV2_EN	PLC Power Supply and Canbus		Foglio Seguinte
						DISEGN. R.G.			
						APPR.			
REV.	MODIFICA	DATA	FIRMA					19	20



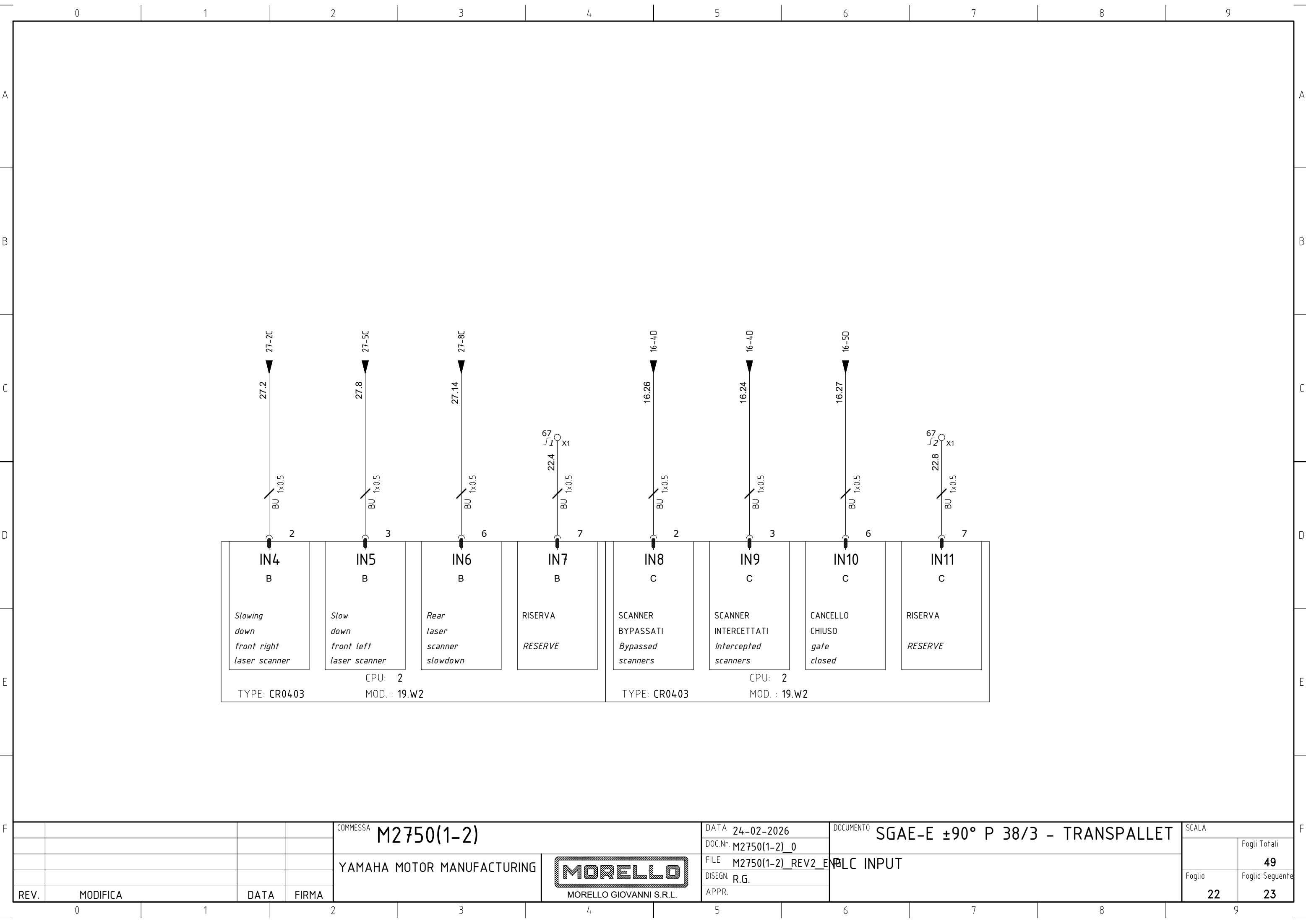
MORELLO GIOVANNI S.R.L.



				COMMESSA M2750(1-2) YAMAHA MOTOR MANUFACTURING	MORELLO MORELLO GIOVANNI S.R.L.	DATA	24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET PLC INPUT	SCALA	
						DOC.Nr.	M2750(1-2)_0			Fogli Totali
						FILE	M2750(1-2)_REV2_EN			49
REV.	MODIFICA	DATA	FIRMA			DISEGN.	R.G.		Foglio	Foglio Seguento
						APPR.			20	21



				COMMESSA	M2750(1-2)	DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA	
						DOC.Nr.	M2750(1-2)_0				Fogli Totali
						FILE	M2750(1-2)_REV2	ENCL	PLC INPUT		49
						DISEGN.	R.G.			Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA		YAMAHA MOTOR MANUFACTURING	APPR.				21	22



				COMMESSA	M2750(1-2)	DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA	
						DOC.Nr.	M2750(1-2)_0				Fogli Totali
						FILE	M2750(1-2)_REV2_EN				49
						DISEGN.	R.G.				Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			APPR.				22	23

A

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A

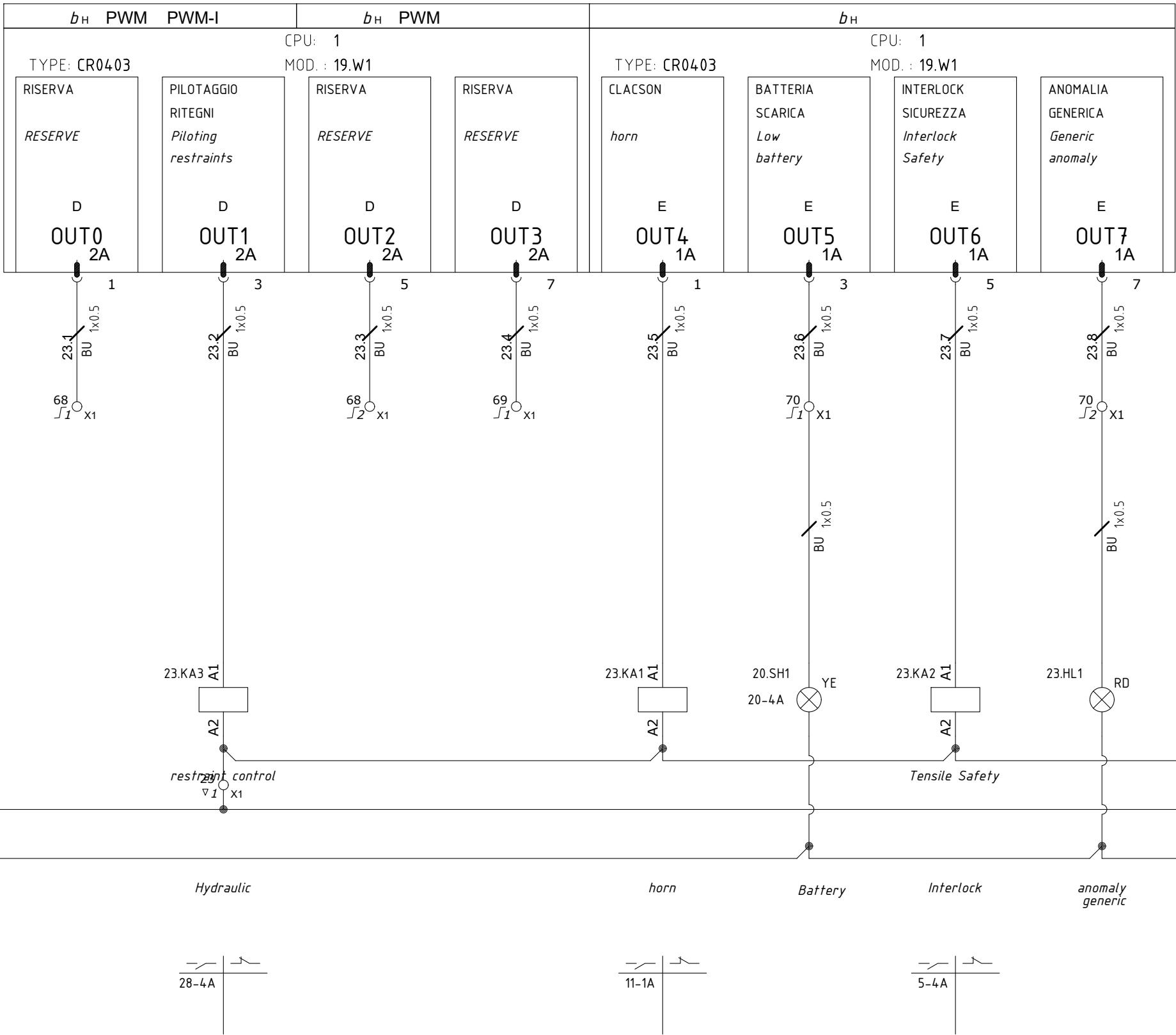
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REV.	MODIFICA	DATA	FIRMA

COMMESSA	M2750(1-2)
YAMAHA MOTOR MANUFACTURING	MORELLO
	MORELLO GIOVANNI S.R.L.

DATA	24-02-2026
DOC.Nr.	M2750(1-2)_0
FILE	M2750(1-2)_REV2_EN
DISEGN.	R.G.
APPR.	

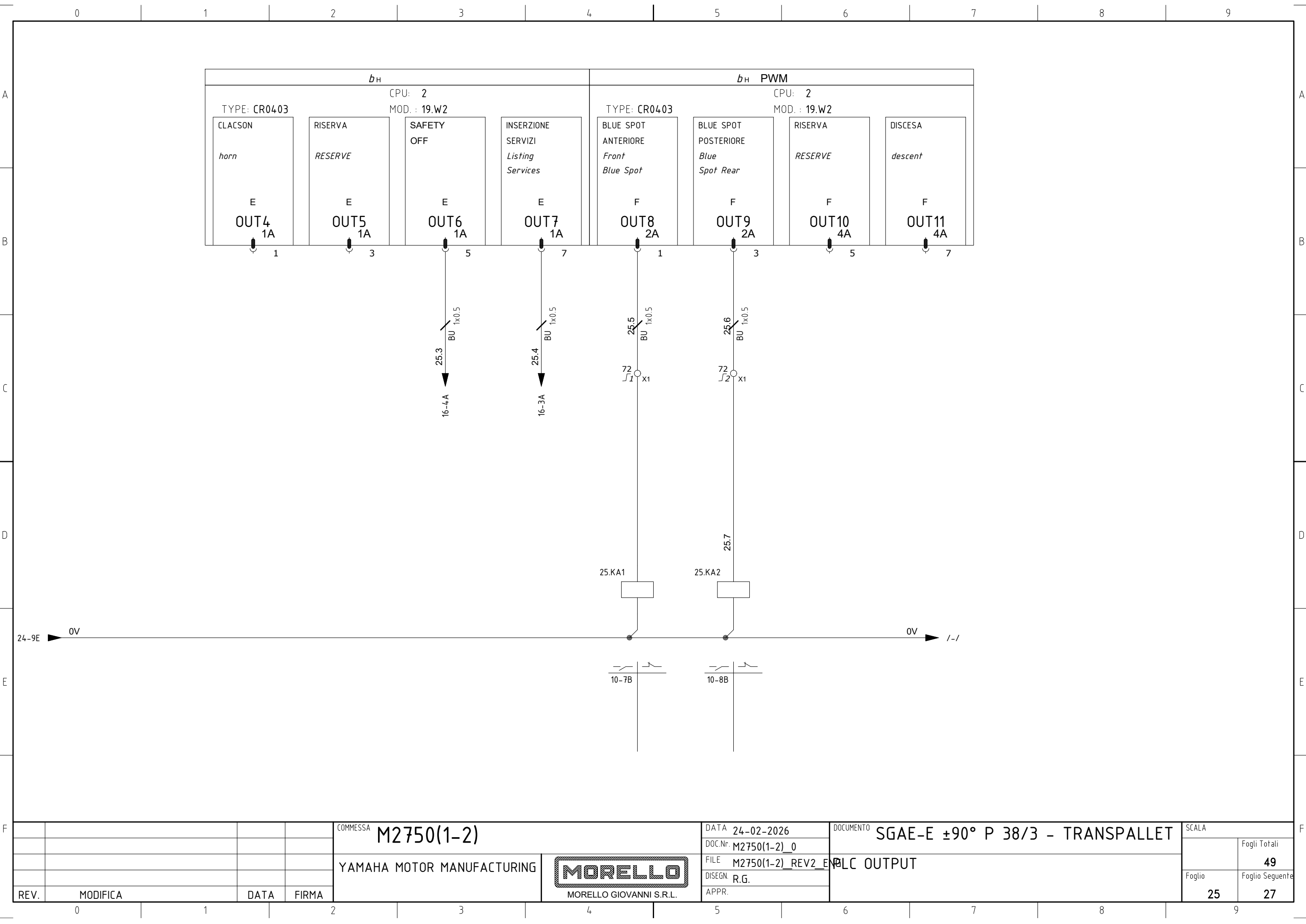
DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET
	PLC OUTPUT

SCALA	
	Fogli Totali
	49
Foglio	Foglio Seguento
23	24

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

E

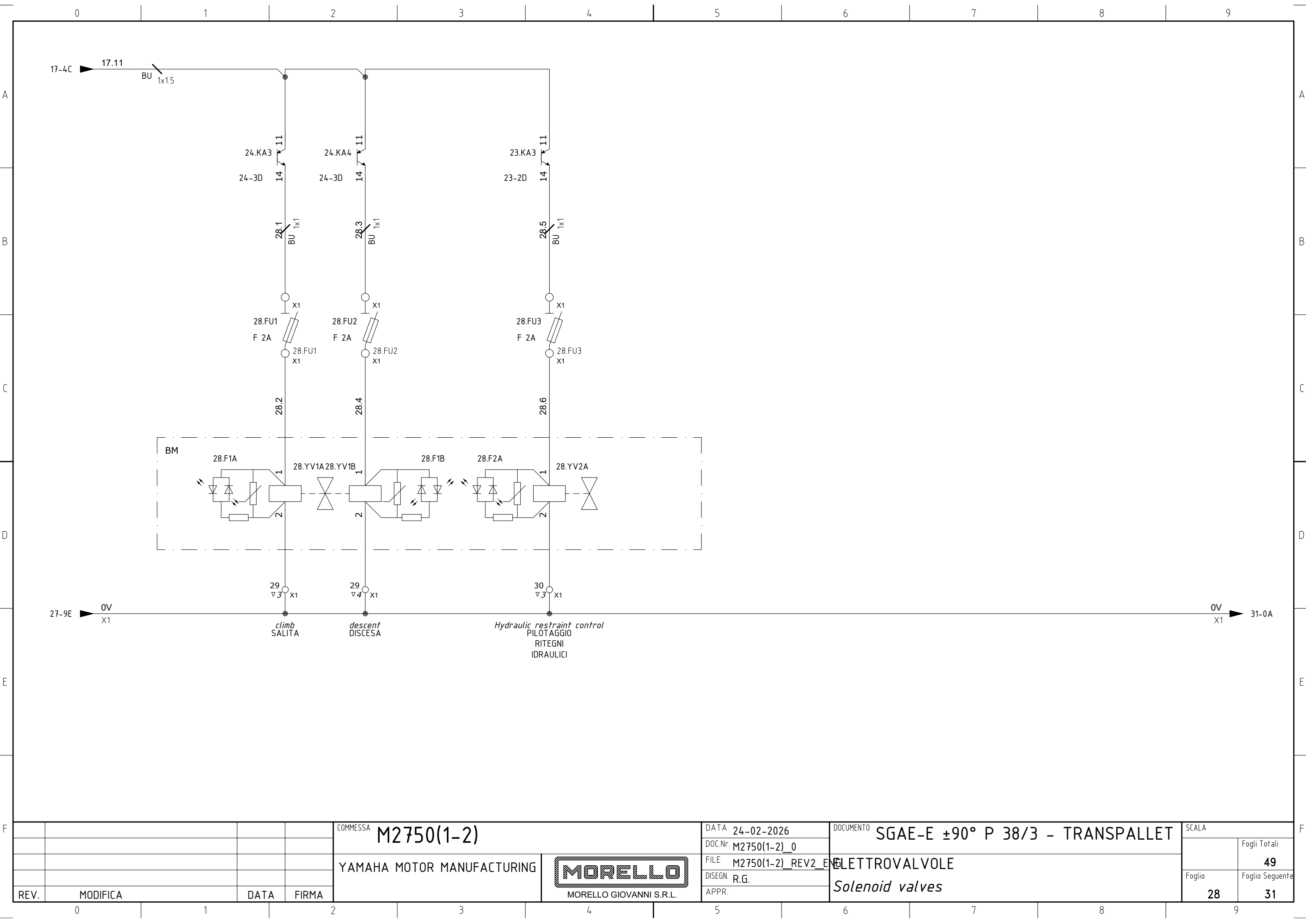


				COMMESSA		DATA	DOCUMENTO	SCALA	
				M2750(1-2)		24-02-2026	SGAE-E ±90° P 38/3 - TRANSPALLET PLC OUTPUT		Fogli Totali
						DOC.Nr. M2750(1-2)_0			49
						FILE M2750(1-2)_REV2_EN			Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			DISEGN. R.G.		Foglio	
						APPR.		25	27

YAMAHA MOTOR MANUFACTURING



MORELLO GIOVANNI S.R.L.



				COMMESSA		DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET		SCALA	
				M2750(1-2)		DOC.Nr.	M2750(1-2)_0					Fogli Totali
				YAMAHA MOTOR MANUFACTURING		FILE	M2750(1-2)_REV2_ENG		ELETTROVALVOLE			49
						DISEGN.	R.G.		Solenoid valves		Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			APPR.					28	31

A

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A

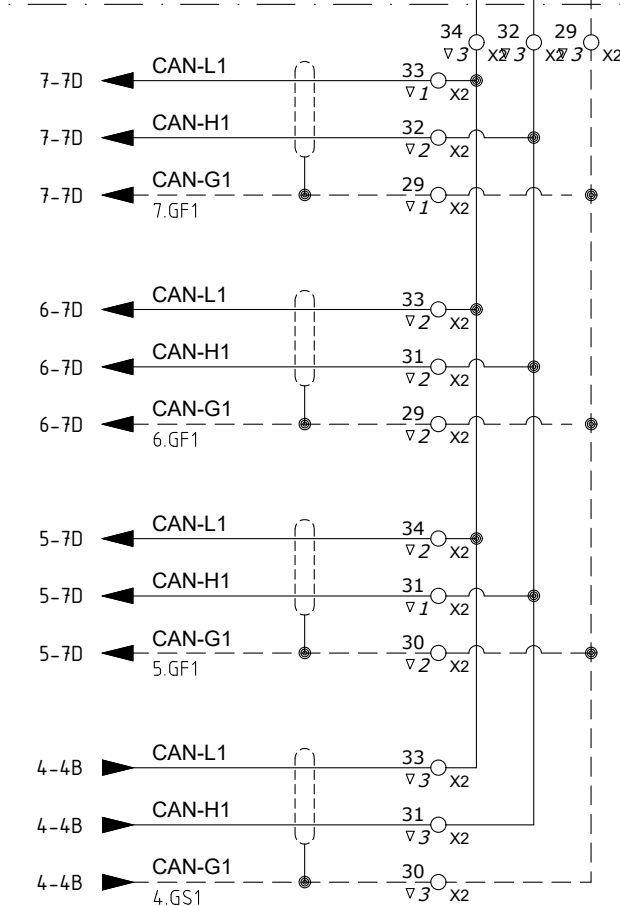
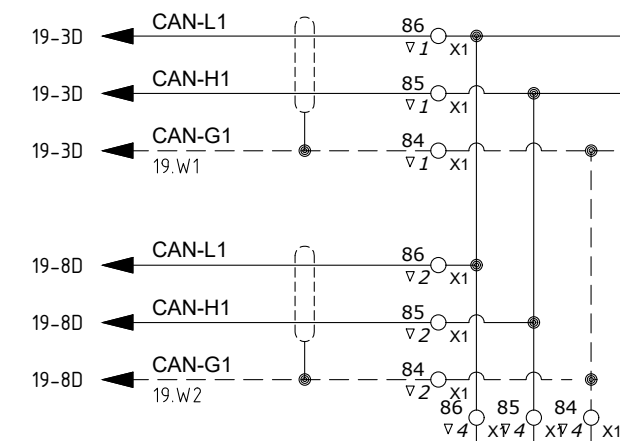
B

C

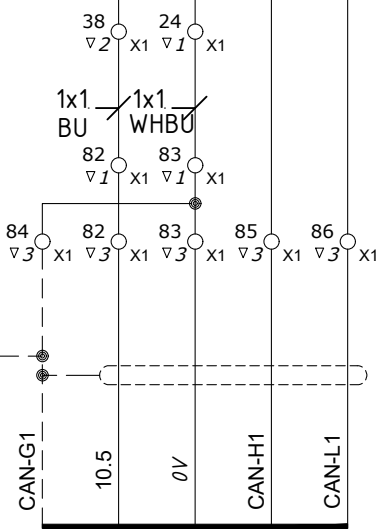
D

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F

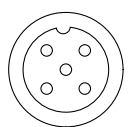


EP2

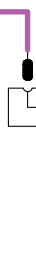


Programming Port

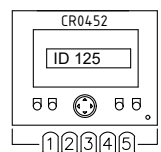
31.A1



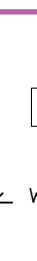
W2



31.W1

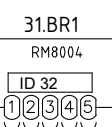


W4



BM

Steering encoder



W6



31.D1

W1

31.D2

W3

31.D3

W5

31.R1
120Ω

COMMESSA

M2750(1-2)

YAMAHA MOTOR MANUFACTURING

MORELLO

MORELLO GIOVANNI S.R.L.

DATA 24-02-2026

DOC.Nr. M2750(1-2)_0

FILE M2750(1-2)_REV2_ENG

DISEGN. R.G.

APPR.

DOCUMENTO

SGAE-E ±90° P 38/3 - TRANSPALLET

CAN BUS

SCALA

Fogli Totali

49

Foglio

Foglio Seguento

31

33

REV.	MODIFICA	DATA	FIRMA
------	----------	------	-------

0

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C

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E

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A

B

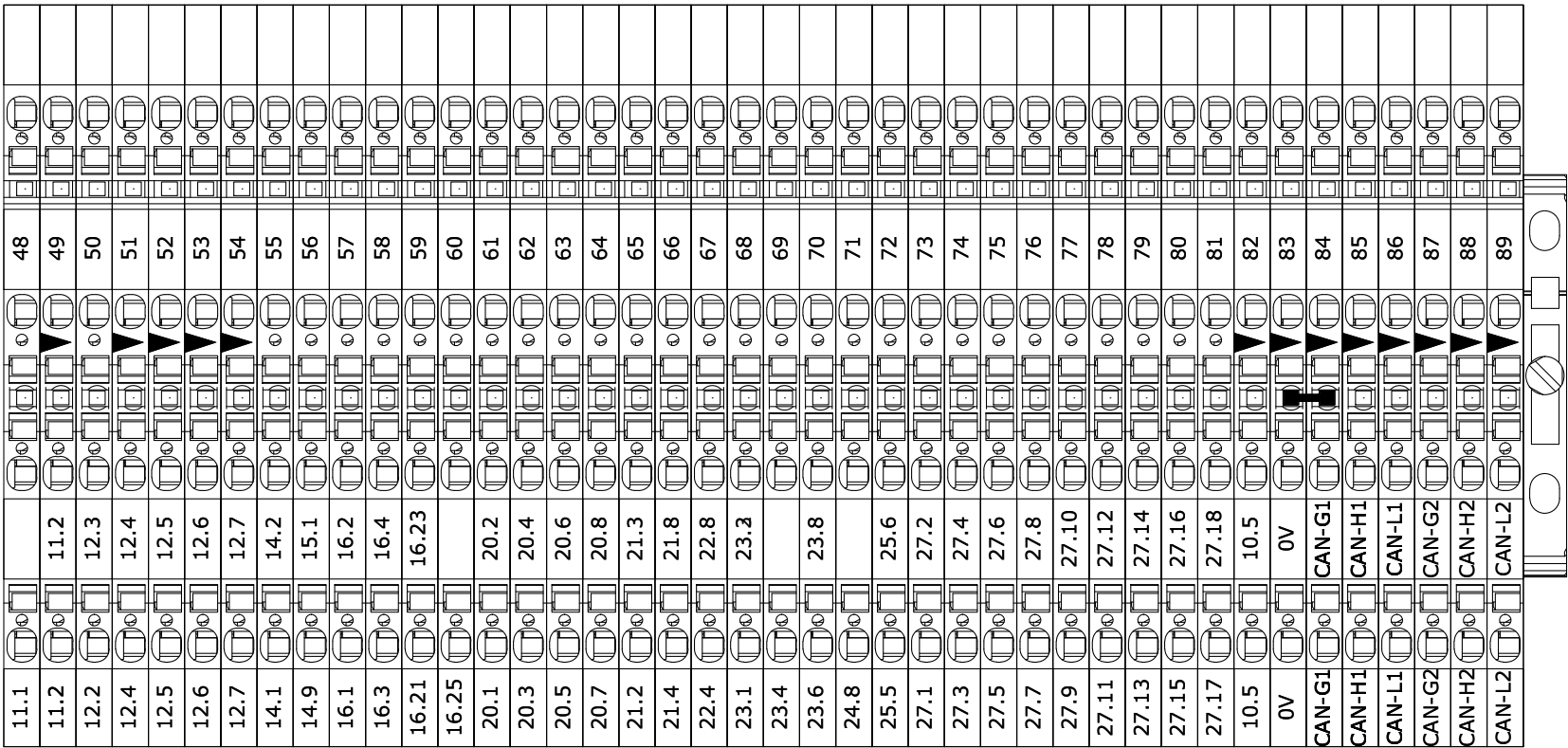
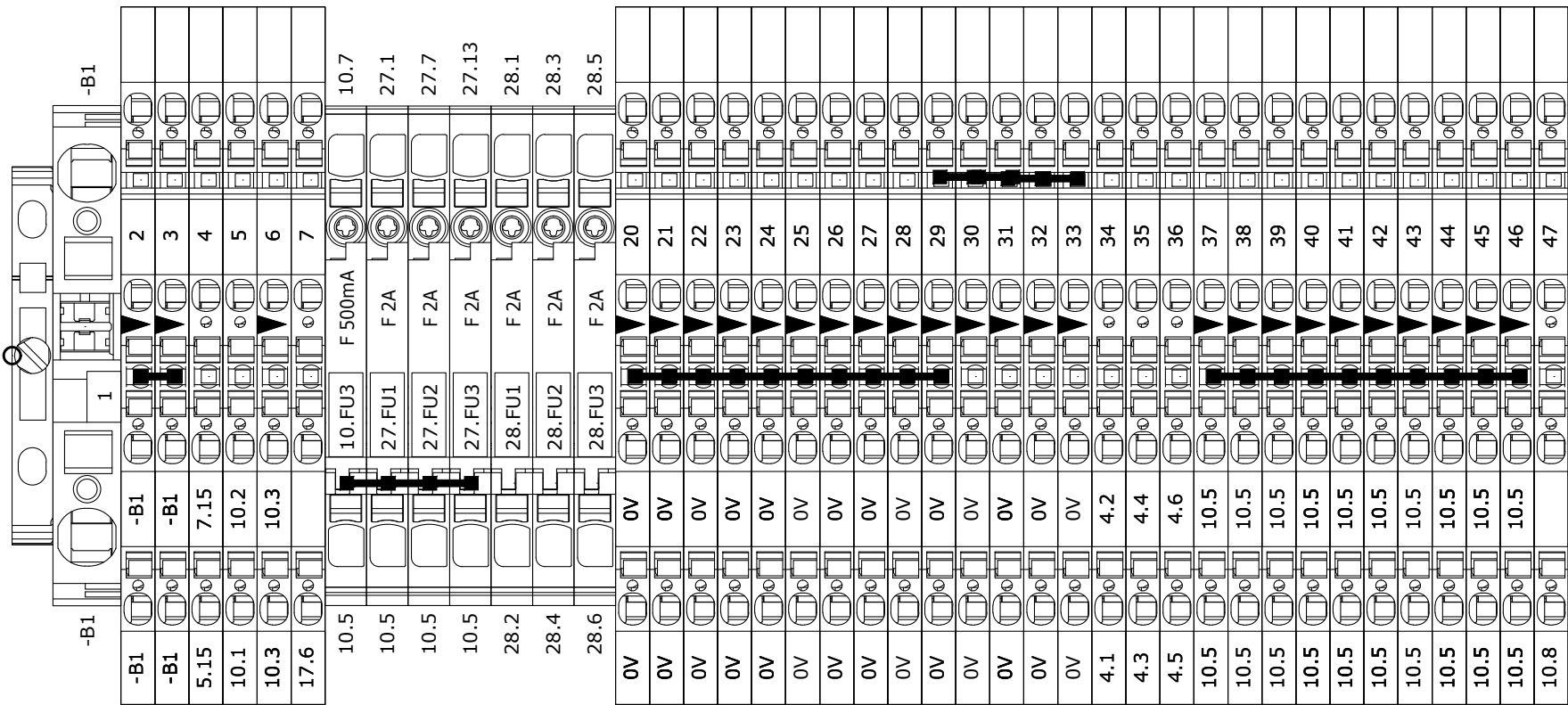
C

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E

F

EP1 X1
Quadro generale



REV.	MODIFICA	DATA	FIRMA

COMMESSA	M2750(1-2)
YAMAHA MOTOR MANUFACTURING	



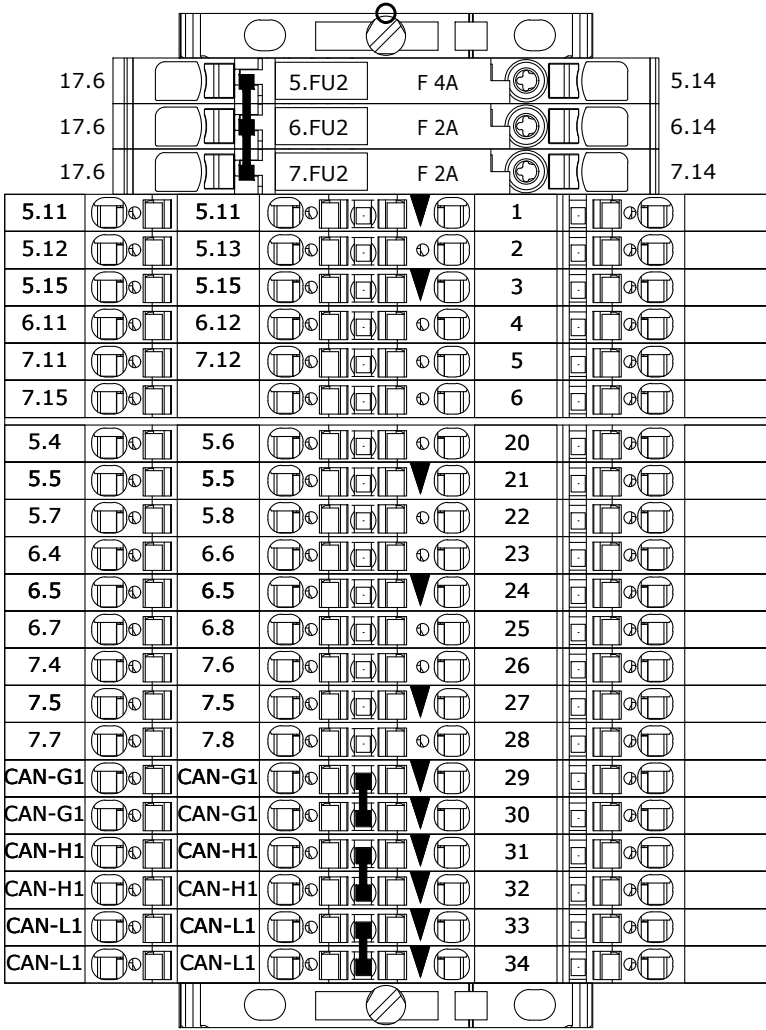
DATA	24-02-2026
DOC.Nr.	M2750(1-2)_0
FILE	M2750(1-2)_REV2_EN
DISEGN.	R.G.
APPR.	

DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET
MORSETTIERA QUADRO EP1	
Panel terminal block EP1	

SCALA	
	Fogli Totali
	49
Foglio	Foglio Seguento
33	34

EP2 X2

Quadro di potenza



				COMMESSA M2750(1-2) YAMAHA MOTOR MANUFACTURING	MORELLO MORELLO GIOVANNI S.R.L.	DATA 24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET MORSETTIERA QUADRO EP2 <i>EP2 square terminal block</i>	SCALA	
						DOC.Nr. M2750(1-2)_0			Fogli Totali
						FILE M2750(1-2)_REV2_EN			49
REV.	MODIFICA	DATA	FIRMA			DISEGN. R.G.		Foglio	Foglio Seguento
						APPR.		34	35

0123456789

A

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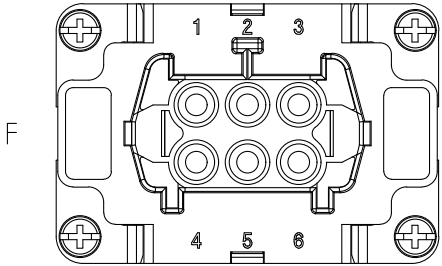
D

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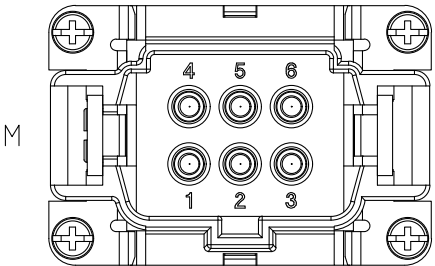
⊙ EP1
XS3
Hand control socket

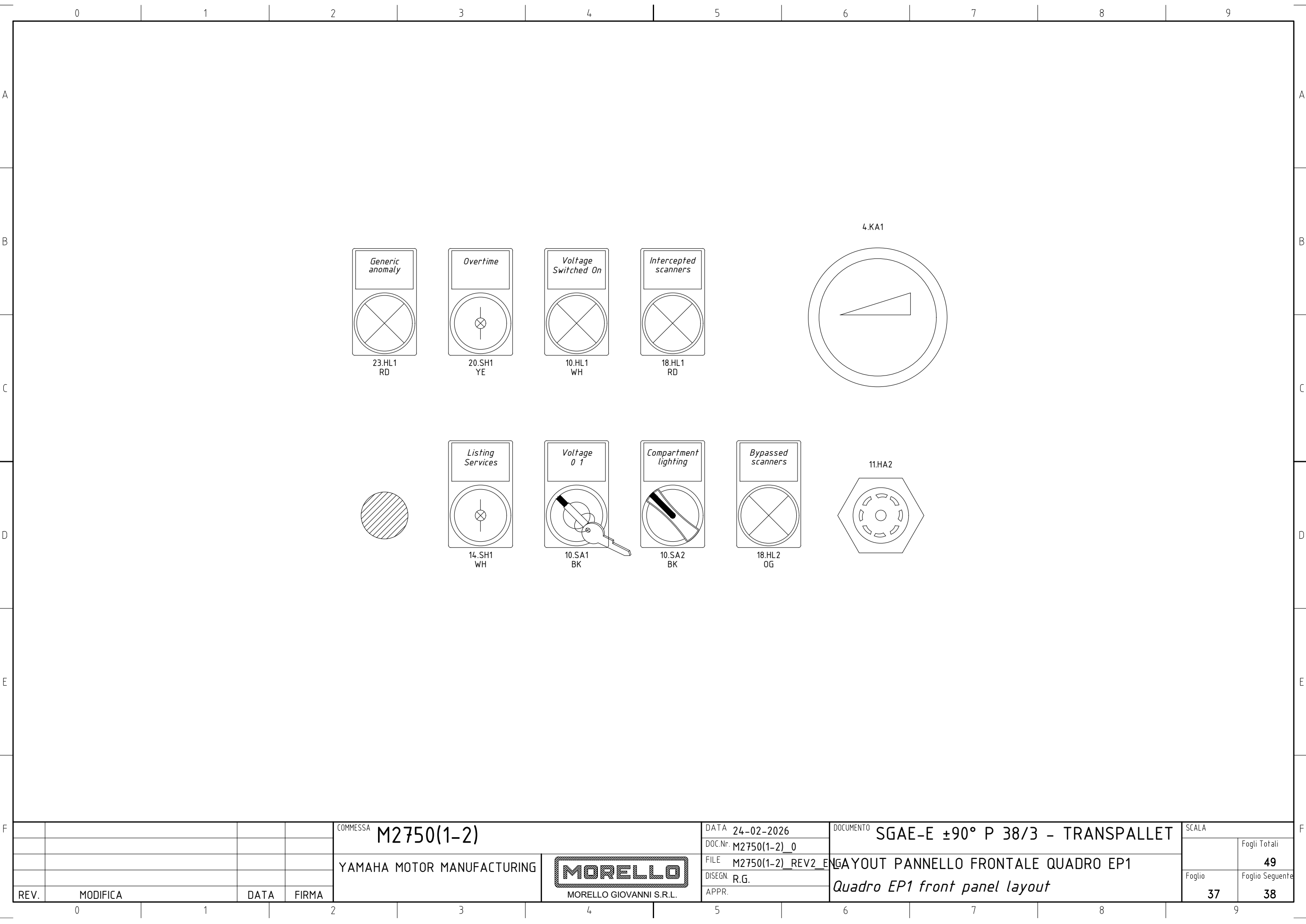
TYPE	constructor	ID FILO	NumI	Pin
CSHF 06	Ilme			
		EPI X1 OVERVIEW	12.4	1
		EPI X1 OVERVIEW	12.5	2
		EPI X1 OVERVIEW	12.6	3
		EPI X1 OVERVIEW	12.7	4
				5
				6
				PE
CHI 16 LS	Ilme			



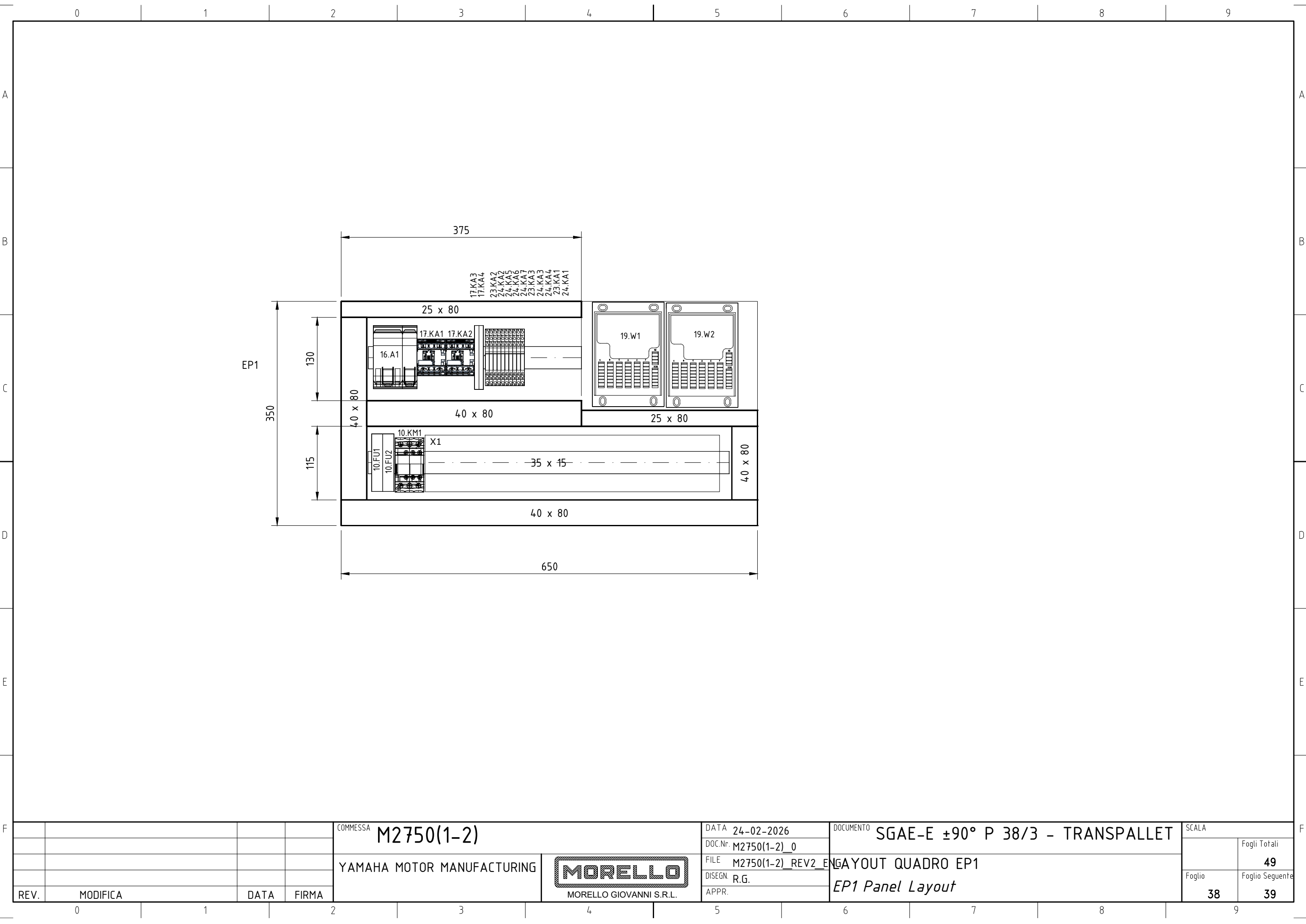
⊙ PB1
XP3
push-button plug with cable

TYPE	constructor	ID FILO	NumI	Pin
CSHM 06	Ilme			
			12.4	1
			12.5	2
			12.6	3
			12.7	4
				5
				6
				PE
CHV 16 L	Ilme			

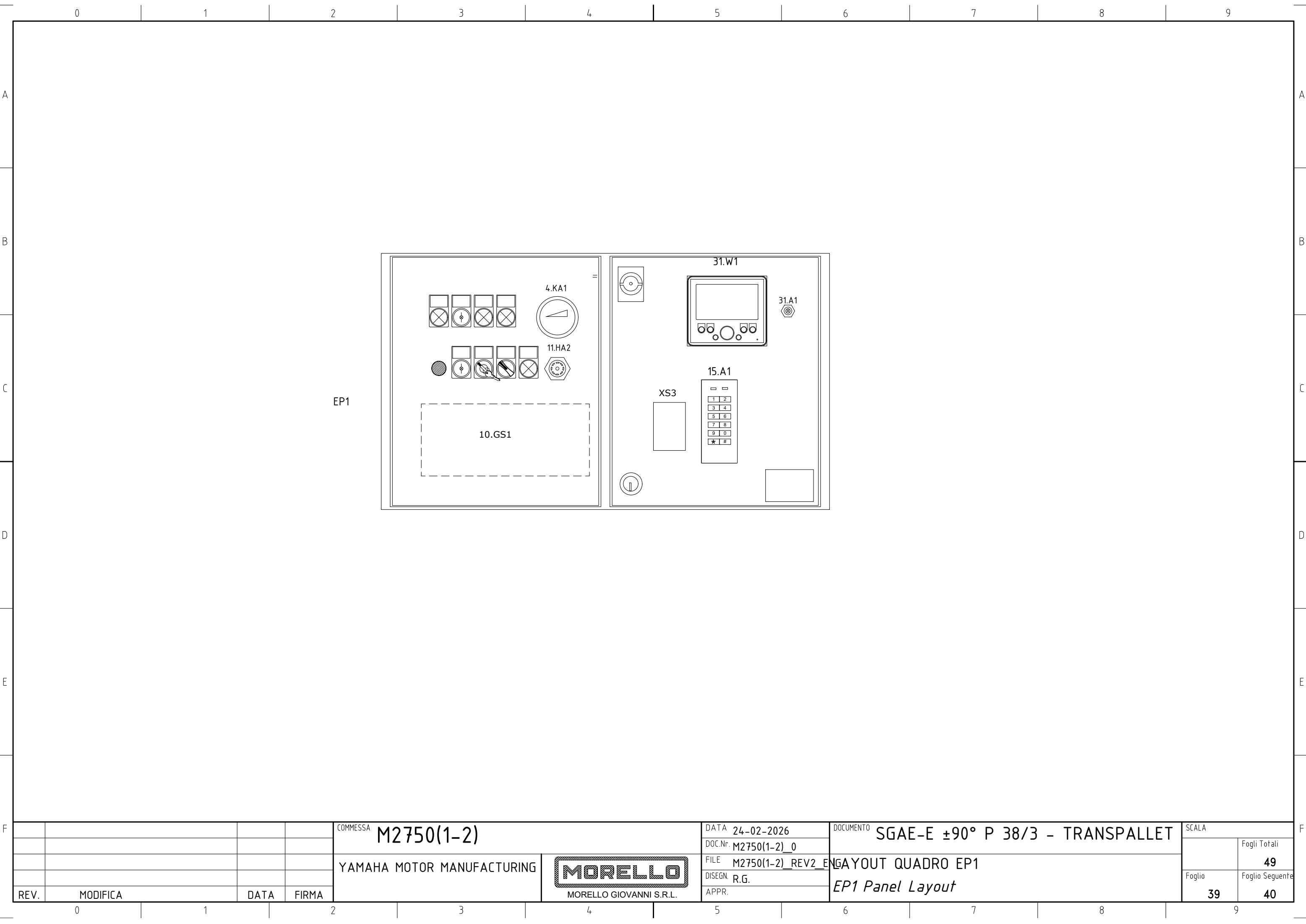




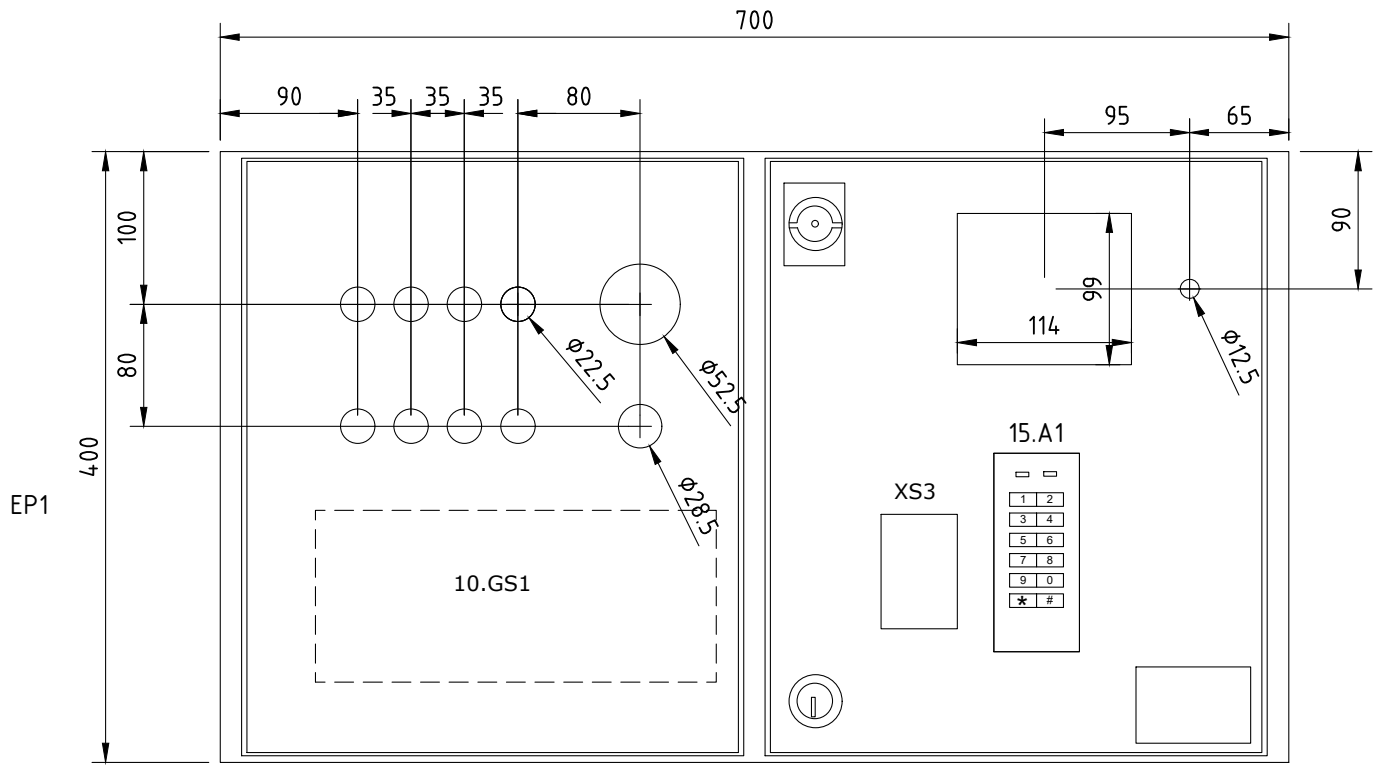
				COMMESSA M2750(1-2) YAMAHA MOTOR MANUFACTURING	MORELLO MORELLO GIOVANNI S.R.L.	DATA 24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET LAYOUT PANNELLO FRONTALE QUADRO EP1 <i>Quadro EP1 front panel layout</i>	SCALA	
						DOC.Nr. M2750(1-2)_0			Fogli Totali 49
						FILE M2750(1-2)_REV2_EN		Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			DISEGN. R.G. APPR.		37	38



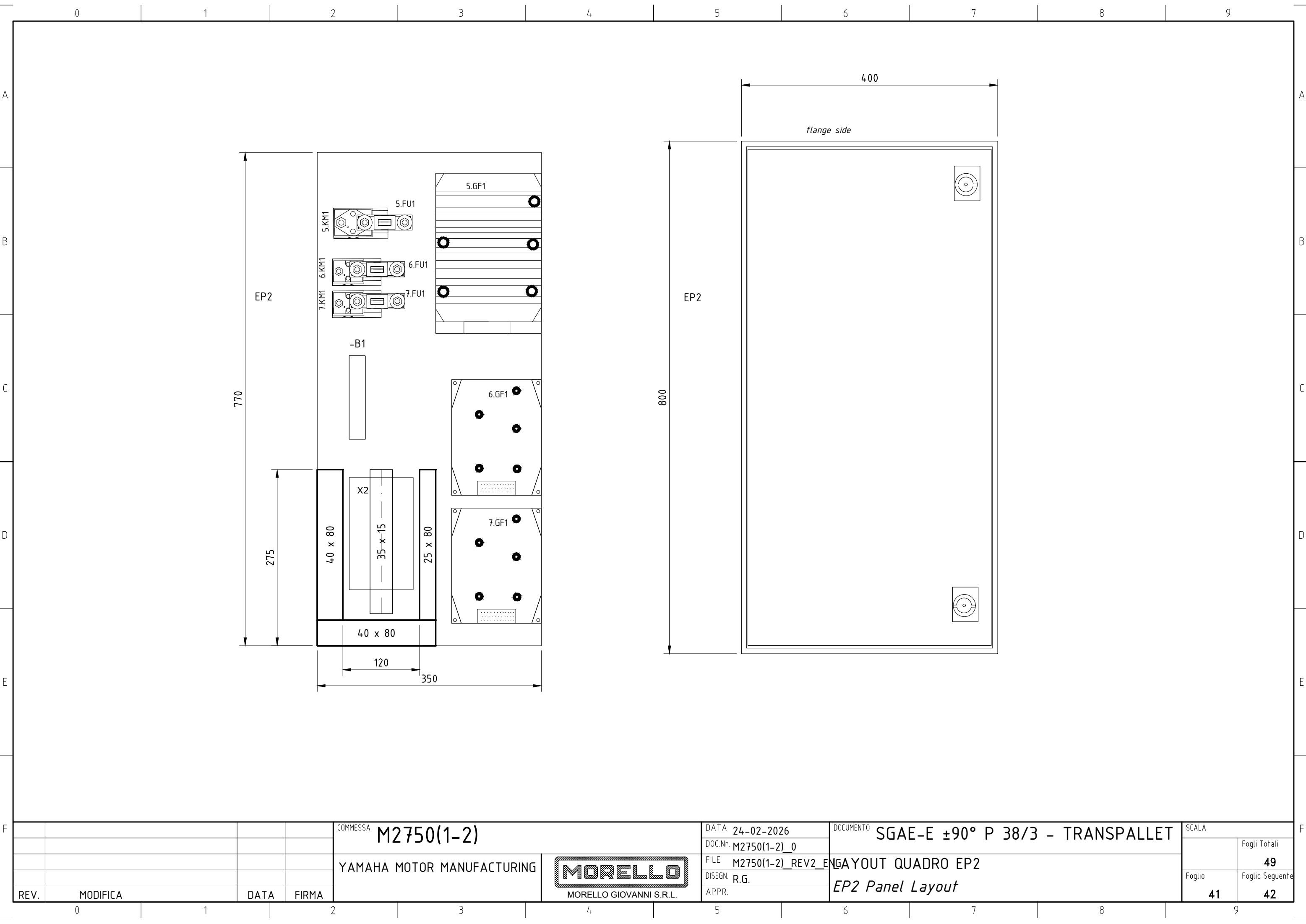
F					COMMESSA	M2750(1-2)		DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET		SCALA		F
								DOC.Nr.	M2750(1-2)_0					Fogli Totali	
						YAMAHA MOTOR MANUFACTURING		FILE	M2750(1-2)_REV2_ENG	LAYOUT QUADRO EP1				49	
								DISEGN.	R.G.	EP1 Panel Layout		Foglio	Foglio Seguento		
	REV.	MODIFICA		DATA	FIRMA			APPR.				38	39		



REV.	MODIFICA	DATA	FIRMA	COMMESSA		DATA	DOCUMENTO	SCALA	
				M2750(1-2)		24-02-2026	SGAE-E ±90° P 38/3 - TRANSPALLET		Fogli Totali
				YAMAHA MOTOR MANUFACTURING		DOC.Nr. M2750(1-2)_0	LAYOUT QUADRO EP1		49
				MORELLO GIOVANNI S.R.L.		FILE M2750(1-2)_REV2_ENG	EP1 Panel Layout	Foglio	Foglio Seguento
						DISEGN. R.G.		39	40
						APPR.			



				COMMESSA M2750(1-2)		DATA 24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA	
				YAMAHA MOTOR MANUFACTURING		DOC.Nr. M2750(1-2)_0			Fogli Totali
						FILE M2750(1-2)_REV2_EN			49
						DISEGN. R.G.		Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA	MORELLO MORELLO GIOVANNI S.R.L.		APPR.	LAYOUT QUADRO EP1 <i>EP1 Panel Layout</i>		



				COMMESSA M2750(1-2) YAMAHA MOTOR MANUFACTURING	MORELLO MORELLO GIOVANNI S.R.L.	DATA 24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET LAYOUT QUADRO EP2 <i>EP2 Panel Layout</i>	SCALA	
						DOC.Nr. M2750(1-2)_0			Fogli Totali
						FILE M2750(1-2)_REV2_ENG			49
						DISEGN. R.G.		Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA			APPR.		41	42

[illegible]

	0	1	2	3	4	5	6	7	8	9															
A	<table><tr><td><i>Name/Item</i></td><td><i>type/type</i></td><td>Descrizione/Description</td><td>Manufacturer/Marke</td><td>Quadro/Board</td><td>Q.ta/Q.ty</td><td><i>Internal code</i></td></tr><tr><td>4.GS2</td><td>329000953</td><td><i>Rectifier Green 6 80V 100A 460/480V</i></td><td>ELSA</td><td>CG</td><td>1</td><td></td></tr></table>										<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		A
<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																				
B											B														
C											C														
D											D														
E											E														
F					COMMESSA	M2750(1-2)	DATA	24-02-2026	DOCUMENTO	SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA	F													
					YAMAHA MOTOR MANUFACTURING	MORELLO MORELLO GIOVANNI S.R.L.	DOC.Nr.	M2750(1-2)_0	DISTINTA MATERIALI			Fogli Totali													
							FILE	M2750(1-2)_REV2_EN			49														
							DISEGN.	R.G.			Foglio Seguento														
REV.	MODIFICA	DATA	FIRMA				APPR.		<i>Bill of Materials</i>		43	44													
	0	1	2	3	4	5	6	7	8	9															

[illegible]

	0	1	2	3	4	5	6	7	8	9																																																																																																																																																																																																	
A	<table><tr><th>Name/Item</th><th>type/type</th><th>Descrizione/Description</th><th>Manufacturer/Marke</th><th>Quadro/Board</th><th>Q.ta/Q.ty</th><th>Internal code</th></tr><tr><td rowspan="2">17.KA1</td><td>3RT2018-1BB42</td><td>Power Contactor, AC-3 16 A, 7.5 kW / 400 V 1 NC, 24 V DC 3 Poles, Size S00 Screw Terminals</td><td>Siemens</td><td rowspan="2">EP1</td><td>1</td><td>E_CQD_RLY_0026</td></tr><tr><td>3RT2916-1LM00</td><td>LED diode,DC 24-70V,S00,</td><td>Siemens</td><td>1</td><td>E_CCS_DID_0002</td></tr><tr><td rowspan="2">17.KA2</td><td>3RT2018-1BB42</td><td>Power Contactor, AC-3 16 A, 7.5 kW / 400 V 1 NC, 24 V DC 3 Poles, Size S00 Screw Terminals</td><td>Siemens</td><td rowspan="2">EP1</td><td>1</td><td>E_CQD_RLY_0026</td></tr><tr><td>3RT2916-1LM00</td><td>LED diode,DC 24-70V,S00,</td><td>Siemens</td><td>1</td><td>E_CCS_DID_0002</td></tr><tr><td>17.KA3</td><td>2702663</td><td>Relé SLIM SIL3 1NO+1NC 24VDC</td><td>Phoenix Contact</td><td>EP1</td><td>1</td><td>E_CQD_RLY_0046</td></tr><tr><td>17.KA4</td><td>2702663</td><td>Relé SLIM SIL3 1NO+1NC 24VDC</td><td>Phoenix Contact</td><td>EP1</td><td>1</td><td>E_CQD_RLY_0046</td></tr><tr><td rowspan="3">18.HL1</td><td>ZB4BV043</td><td>Red pilot light head for ø22 units with flat lens</td><td>Schneider Electric</td><td rowspan="3">EP1</td><td>1</td><td>E_CCS_LED_0014</td></tr><tr><td>ZB4BZ009</td><td>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</td><td>Schneider Electric</td><td>1</td><td>E_ACC_CCS_0007</td></tr><tr><td>ZBVB1</td><td>White light element for Ø22 24 V head</td><td>Schneider Electric</td><td>1</td><td>E_CCS_LED_0039</td></tr><tr><td rowspan="3">18.HL2</td><td>ZB4BV053</td><td>Orange pilot light head for Ø22 units with flat lens</td><td>Schneider Electric</td><td rowspan="3">EP1</td><td>1</td><td>E_CCS_LED_0011</td></tr><tr><td>ZB4BZ009</td><td>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</td><td>Schneider Electric</td><td>1</td><td>E_ACC_CCS_0007</td></tr><tr><td>ZBVB1</td><td>White light element for Ø22 24 V head</td><td>Schneider Electric</td><td>1</td><td>E_CCS_LED_0039</td></tr><tr><td>19.R1</td><td>R120Ω</td><td>Resistance 120Ω</td><td>Various</td><td>EP1</td><td>1</td><td>E_CQD_RES_0003</td></tr><tr><td rowspan="2">19.W1</td><td>CR0403</td><td>PLC 12 inputs and 12 outputs</td><td>ifm</td><td rowspan="2">EP1</td><td>1</td><td>E_CQD_PLC_0001</td></tr><tr><td>EC0456</td><td>Contact Kit</td><td>Ifm</td><td>1</td><td>E_CQD_TER_0003</td></tr><tr><td rowspan="2">19.W2</td><td>CR0403</td><td>PLC 12 inputs and 12 outputs</td><td>ifm</td><td rowspan="2">EP1</td><td>1</td><td>E_CQD_PLC_0001</td></tr><tr><td>EC0456</td><td>Contact Kit</td><td>ifm</td><td>1</td><td>E_CQD_TER_0003</td></tr><tr><td rowspan="4">20.SH1</td><td>ZB4BW383</td><td>Yellow luminous wire pushbutton head for Ø22 units with spring return</td><td>Schneider Electric</td><td rowspan="4">EP1</td><td>1</td><td>E_CCS_PLS_0001</td></tr><tr><td>ZB4BZ009</td><td>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</td><td>Schneider Electric</td><td>1</td><td>E_ACC_CCS_0007</td></tr><tr><td>ZBVB1</td><td>White light element for Ø22 24 V head</td><td>Schneider Electric</td><td>1</td><td>E_CCS_LED_0039</td></tr><tr><td>ZBE101</td><td>Single contact block for circular pushbutton Ø 22 mm - 1NO with silver alloy screw terminals</td><td>Schneider Electric</td><td>1</td><td>E_CCS_CNT_0007</td></tr><tr><td rowspan="3">23.HL1</td><td>ZB4BV043</td><td>Red pilot light head for ø22 units with flat lens</td><td>Schneider Electric</td><td rowspan="3">EP1</td><td>1</td><td>E_CCS_LED_0014</td></tr><tr><td>ZB4BZ009</td><td>Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack</td><td>Schneider Electric</td><td>1</td><td>E_ACC_CCS_0007</td></tr><tr><td>ZBVB1</td><td>White light element for Ø22 24 V head</td><td>Schneider Electric</td><td>1</td><td>E_CCS_LED_0039</td></tr><tr><td rowspan="2">23.KA1</td><td>34.51.7.024.0010</td><td>Mini Relay for EMR 1CO 24VDC 6A DC</td><td>Finder</td><td rowspan="2">EP1</td><td>1</td><td>E_CQD_RLY_0028</td></tr><tr><td>93.61.7.024</td><td>socket with socket clamps Masterbasic</td><td>Finder</td><td>1</td><td>E_ACC_RLY_0007</td></tr><tr><td rowspan="2">23.KA2</td><td>34.51.7.024.0010</td><td>Mini Relay for EMR 1CO 24VDC 6A DC</td><td>Finder</td><td rowspan="2">EP1</td><td>1</td><td>E_CQD_RLY_0028</td></tr><tr><td>93.61.7.024</td><td>socket with socket clamps Masterbasic</td><td>Finder</td><td>1</td><td>E_ACC_RLY_0007</td></tr><tr><td rowspan="2">23.KA3</td><td>34.81.7.024.9024</td><td>Mini Relay for SSR 1No 24VDC 6A</td><td>Finder</td><td rowspan="2">EP1</td><td>1</td><td>E_CQD_RLY_0029</td></tr><tr><td>93.61.7.024</td><td>socket with socket clamps Masterbasic</td><td>Finder</td><td>1</td><td>E_ACC_RLY_0007</td></tr><tr><td>24.KA1</td><td>34.81.7.024.9024</td><td>Mini Relay for SSR 1No 24VDC 6A</td><td>Finder</td><td>EP1</td><td>1</td><td>E_CQD_RLY_0029</td></tr></table>										Name/Item	type/type	Descrizione/Description	Manufacturer/Marke	Quadro/Board	Q.ta/Q.ty	Internal code	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	17.KA4	2702663	Relé SLIM SIL3 1NO+1NC 24VDC	Phoenix Contact	EP1	1	E_CQD_RLY_0046	18.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	18.HL2	ZB4BV053	Orange pilot light head for Ø22 units with flat lens	Schneider Electric	EP1	1	E_CCS_LED_0011	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	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	19.W2	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	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	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	23.KA3	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	24.KA1	34.81.7.024.9024	Mini Relay for SSR 1No 24VDC 6A	Finder	EP1	1	E_CQD_RLY_0029	
Name/Item	type/type	Descrizione/Description	Manufacturer/Marke	Quadro/Board	Q.ta/Q.ty	Internal code																																																																																																																																																																																																					
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																																																																																																																																																																																																					
17.KA4	2702663	Relé SLIM SIL3 1NO+1NC 24VDC	Phoenix Contact	EP1	1	E_CQD_RLY_0046																																																																																																																																																																																																					
18.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																																																																																																																																																																																																					
18.HL2	ZB4BV053	Orange pilot light head for Ø22 units with flat lens	Schneider Electric	EP1	1	E_CCS_LED_0011																																																																																																																																																																																																					
	ZB4BZ009	Fixing base for electrical elements - for units Ø 22 mm XB4-A - 10/pack	Schneider Electric		1	E_ACC_CCS_0007																																																																																																																																																																																																					
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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																																																																																																																																																																																																					
19.W2	CR0403	PLC 12 inputs and 12 outputs	ifm	EP1	1	E_CQD_PLC_0001																																																																																																																																																																																																					
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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																																																																																																																																																																																																					
23.HL1	ZB4BV043	Red pilot light head for ø22 units with flat lens	Schneider Electric	EP1	1	E_CCS_LED_0014																																																																																																																																																																																																					
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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																																																																																																																																																																																																					
23.KA3	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																																																																																																																																																																																																					
24.KA1	34.81.7.024.9024	Mini Relay for SSR 1No 24VDC 6A	Finder	EP1	1	E_CQD_RLY_0029																																																																																																																																																																																																					
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				COMMESSA M2750(1-2)		DATA 24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET		SCALA																																																																																																																																																																																																		
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Name/Item	type/type	Descrizione/Description	Manufacturer/Marke	Quadro/Board	Q.ta/Q.ty	Internal code
X1	2429860000	AFS 4 2C BK Fuse terminal block, push in, 4 mm ² , 500 V, 6.3 A, black	Weidmuller	EP1	7	E_CQD_TER_0019
	1746750000	Modular passage terminal ZDU 10	Weidmuller		1	E_CQD_TER_0032
	9540000000	Fixing terminal for TS 35 ZEW 35 /6mm	Weidmuller		2	E_CQD_TER_0018
XS3	CSHF 06	Socket socket, 6-pin PE, Connection with Squich spring clamp, 16A max, 500 V, 6kV, 3, with sockets, silver-plated, size 44.27, Sockets Class Tecnica series	Ilme	EP1	1	E_CON_FEM_0008
	CHI 16 LS	Recessed enclosure single lock with lever and door	Ilme		1	E_ACC_CON_0014

				COMMESSA M2750(1-2)		DATA 24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET		SCALA	
				YAMAHA MOTOR MANUFACTURING		DOC.Nr. M2750(1-2)_0	DISTINTA MATERIALI			Fogli Totali
						FILE M2750(1-2)_REV2_END				49
						DISEGN. R.G.			Foglio	Foglio Seguento
REV.	MODIFICA	DATA	FIRMA	MORELLO MORELLO GIOVANNI S.R.L.		APPR.	Bill of Materials		47	48

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				COMMESSA M2750(1-2)		DATA 24-02-2026	DOCUMENTO SGAE-E ±90° P 38/3 - TRANSPALLET	SCALA																																																			
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