LOGIC

SERVOSCALA CON PIATTAFORMA

WHEELCHAIR PLATFORM LIFT

SCHEMI ELETTRICI

ELECTRICAL DRAWING

MADE IN ITALY

SOMMARIO / SUMMARY	
TITOLO / TITLE	FOGLIO / SHEET
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LEGENDA COLORI / COLOUR KEY	
COLORE / COLOR	ABBREVIAZIONE / ABBREVIATION
Nero / Black	BK
Marrone / Brown	BN
Rosso / Red	RD
Arancione / Orange	OG
Giallo / Yellow	YE
Verde / Green	GN
Turchese / Turquoise	TQ
Blu / Blue	BU
Viola / Violet	VT
Grigio / Grey	GY
Bianco / White	WH
Rosa / Pink	PK
Giallo–Verde / Yellow–Green	GNYE

REV.	CHANGE	DATE	SIGNATURE					
				DATE	29/04/2024	REPL. ON:	REPL. BY:	ORIGIN:
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				VERIF.	I.D.			
				APPR.				

extroma®

Extrema S.r.l.
Bagnolo S. Vito

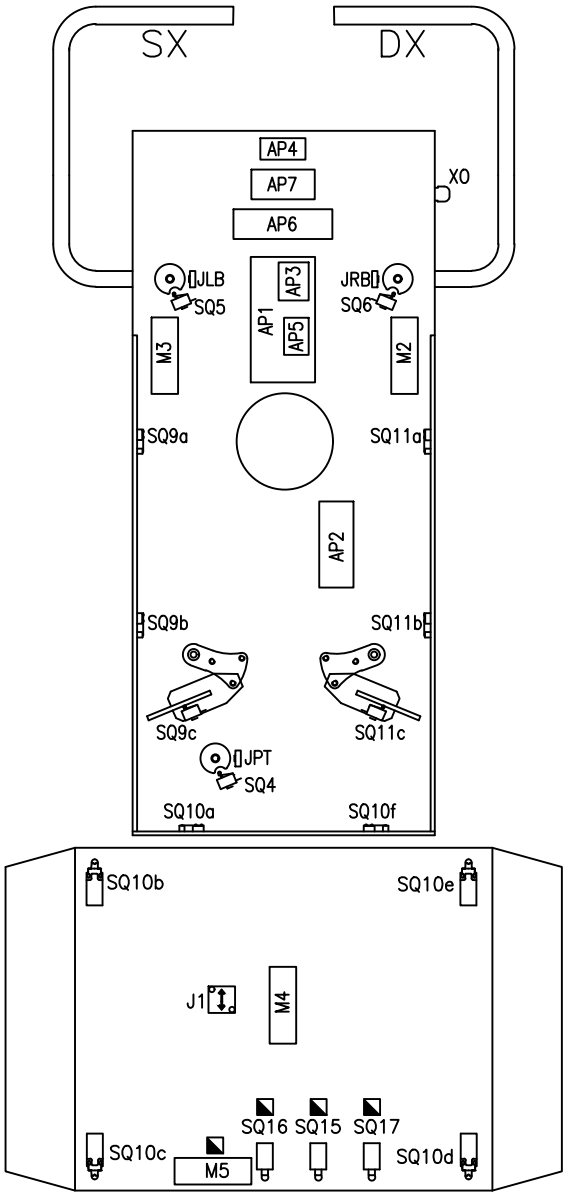
Sommario e legenda colori
Summary and colour key

Schemi elettrici / Wiring diagrams

63F300007

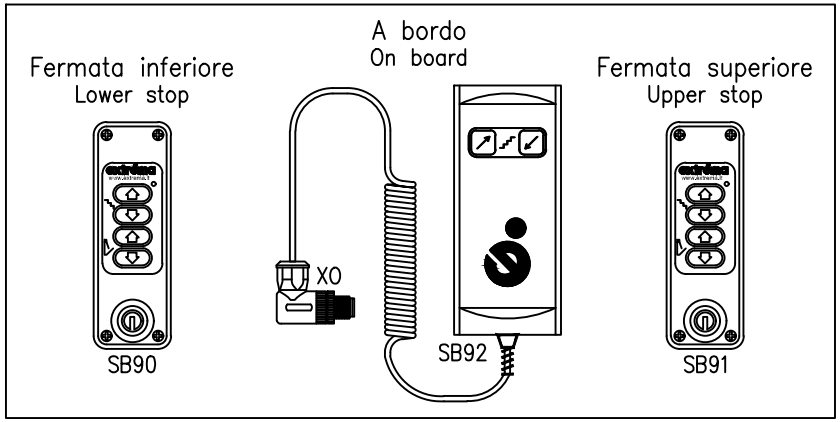
Logic 2022

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NEXT 2

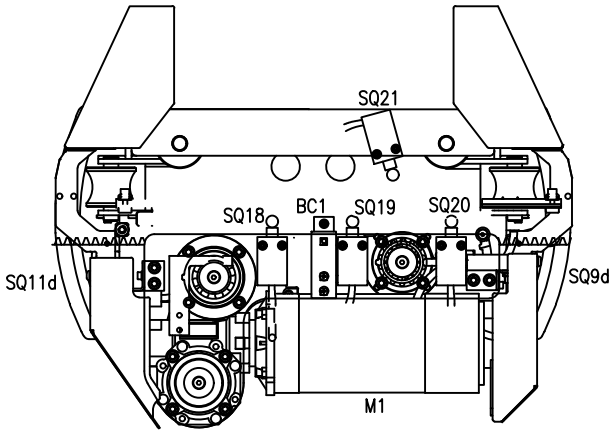


Solo per accesso frontale
Front access only

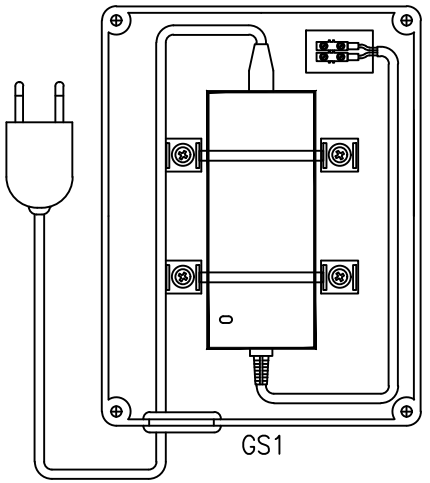
Pulsantiere
Push–button panels



Gruppo motorizzazione a bordo
On–board drive unit



Carica batterie
Battery charger



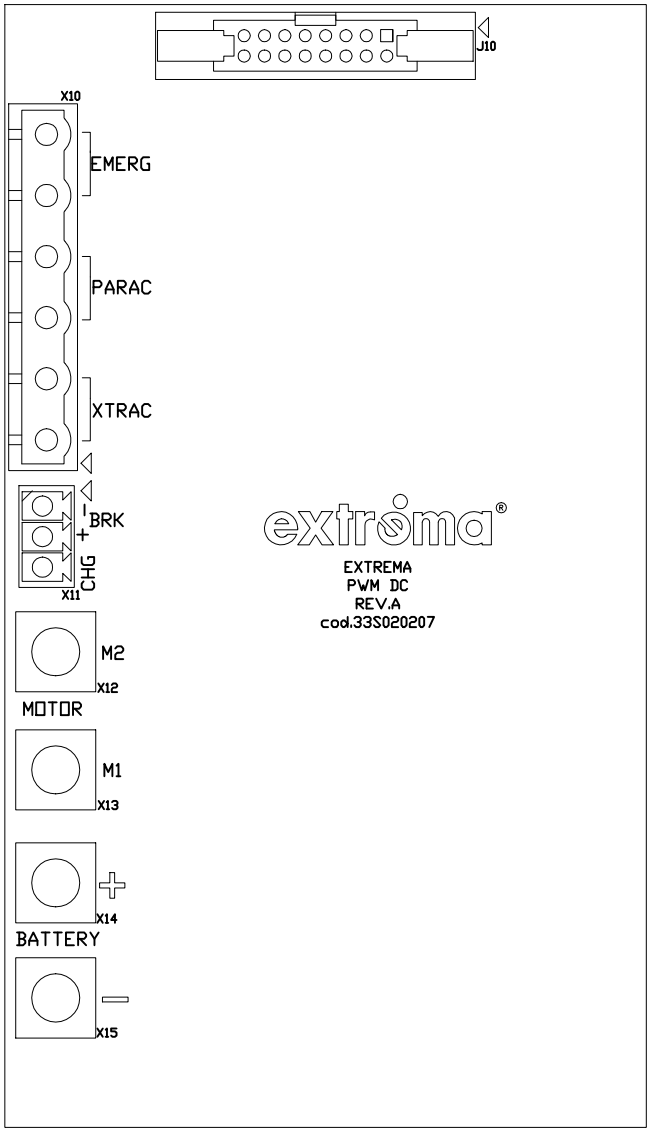
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				VERIF.	I.D.				63F300007	Logic 2022	SHEET 2 OF 17
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Sigla Abbrev.	Descrizione	Description	Posizione Position	Note Notes
AP1	Scheda elettronica PLC	PLC electronic card	7/B1	
AP2	Scheda elettronica PWM	PWM electronic card	4/A3	
AP3	Scheda elettronica ricevitore	Receiver electronic card	7/B1	
AP4	Display	Display	8/C2	
AP5	Scheda elettronica accesso frontale	Front access electronic card	14/A1	Optional
AP6	Tastiera capacitiva	Capacitive keypad	8/D1	
AP7	Scheda controllo sovraccarico	Overload control system card	10/D2	
BC1	Spazzola di rallentamento e ricarica	Power supply and slowdown brush contact	5/D8	
J1	Inclinometro	Incline sensor	10/D1	
F1	Fusibile 30A positivo	30A positive fuse	5/B4	
F2	Fusibile 7,5A PLC–AUX	7,5A PLC–AUX fuse	5/C3	
F3	Fusibile 30A negativo	30A negative fuse	5/D4	
GB1	Batteria	Battery	5/C4	
GB2	Batteria	Battery	5/D4	
GS1	Caricabatterie	Battery charger	5/C7	
JLB	Sensore magnetico barra sinistra	Left bar magnetic sensor	9/D3	
JPT	Sensore magnetico piattaforma	Platform magnetic sensor	9/D4	
JRB	Sensore magnetico barra destra	Right bar magnetic sensor	9/D2	
M1	Motore di trazione	Traction motor	5/D2	
M2	Motore barra di contenimento DX	RHS motor retaining bar	9/C1	
M3	Motore barra di contenimento SX	LHS motor retaining bar	9/C3	
M4	Motore piattaforma	Platform motor	9/C4	
M5	Motore accesso frontale	Front access motor	14/D2	Optional
SB90	Pulsantiera di piano	Floor push–button panel	2/B5	
SB91	Pulsantiera di piano	Floor push–button panel	2/B7	
SB92	Pulsantiera per accompagnatore	Push button panel for attendant	10/C8	

Sigla Abbrev.	Descrizione	Description	Posizione Position	Note Notes
SQ4	Micro piattaforma in sicurezza	Platform safely microswitch	9/E4	
SQ5	Micro barra sinistra in sicurezza	Left barrier arm safely microswitch	9/E3	
SQ6	Micro barra destra in sicurezza	Right barrier arm safely microswitch	9/E2	
SQ9a	Bordo sensibile sinistro	Left sensitive edge	11/C4	
SQ9b	Bordo sensibile sinistro	Left sensitive edge	11/D4	
SQ9c	Bandella laterale sinistra	Left side mobile flap	11/D4	
SQ9d	Bordo sensibile lato sinistro carrello	Left side carriage sensitive edge	11/E4	
SQ10a	Bordo sensibile fondo schienale	Lower back sensitive edge	11/C7	
SQ10b	Bordo sensibile doppiofondo pedana	Lower platform sensitive edge	11/E7	
SQ10c	Bordo sensibile doppiofondo pedana	Lower platform sensitive edge	11/E8	
SQ10d	Bordo sensibile doppiofondo pedana	Lower platform sensitive edge	11/D8	
SQ10e	Bordo sensibile doppiofondo pedana	Lower platform sensitive edge	11/C8	
SQ10f	Bordo sensibile fondo schienale	Lower back sensitive edge	11/D7	
SQ11a	Bordo sensibile destro	Right sensitive edge	11/C6	
SQ11b	Bordo sensibile destro	Right sensitive edge	11/D6	
SQ11c	Bandella laterale destra	Right side mobile flap	11/D6	
SQ11d	Bordo sensibile lato destro carrello	Right side carriage sensitive edge	11/E6	
SQ15	Accesso frontale verticale	Vertical front access	14/C6	Optional
SQ16	Accesso frontale aperto	Open front access	14/C7	Optional
SQ17	Accesso frontale chiuso	Closed front access	14/C8	Optional
SQ18	Finecorsa di piano	Floor limit switch	11/C2	
SQ19	Microinterruttore di extracorsa	Overtravel microswitch	6/C3	
SQ20	Finecorsa di piano	Floor limit switch	11/C3	
SQ21	Microinterruttore paracadute	Parachute microswitch	6/C3	
X0	Connettore pulsantiera accomp.	Push button panel connector for attendant	10/C6	
YB1	Freno elettromagnettico motore M1	M1 motor electromagnetic brake	5/C6	

AP2

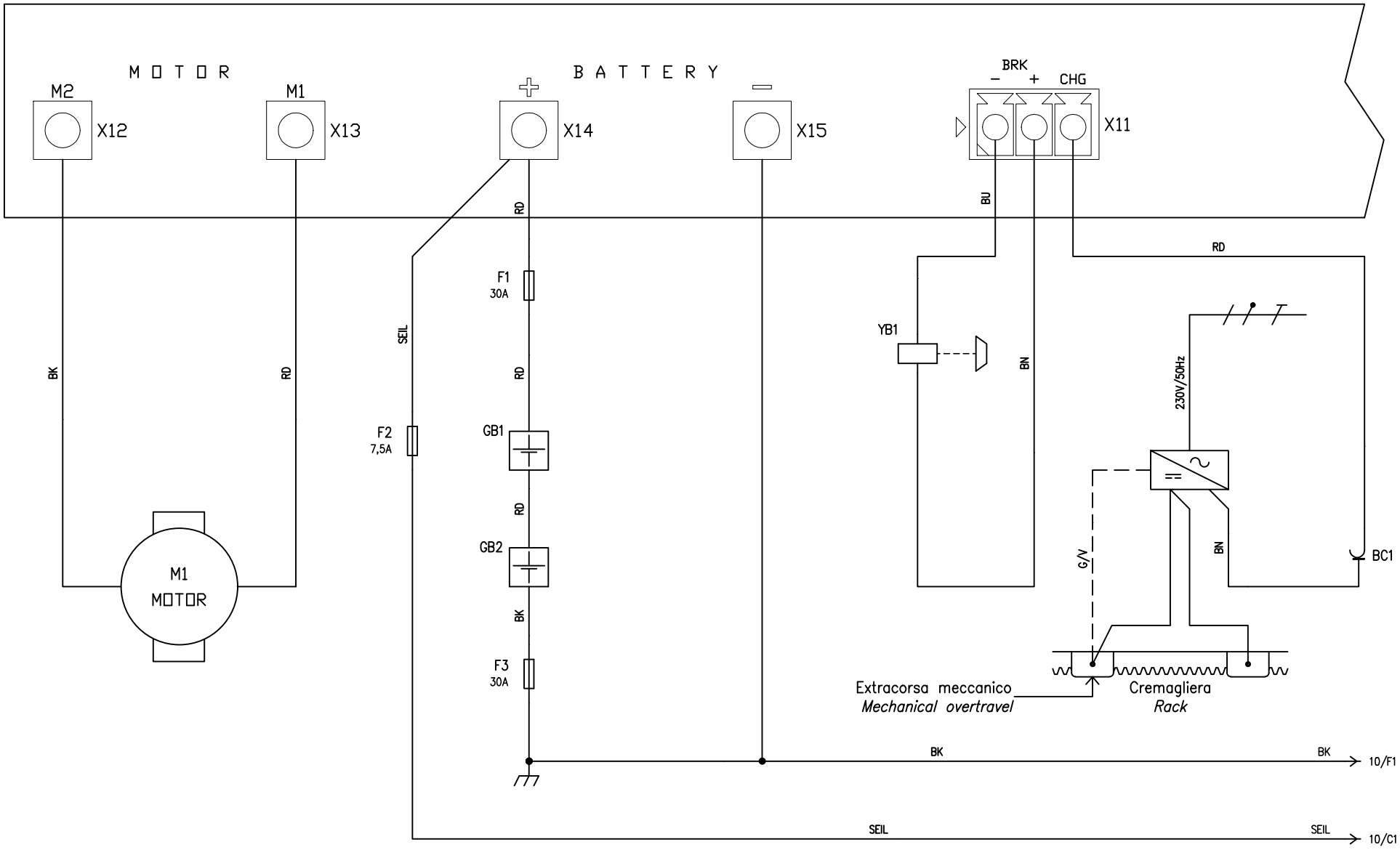
SCHEDA ELETTRONICA PWM
PWM ELECTRONIC CARD



				DATE	29/04/2024	extrema®	Extrema S.r.l. Bagnolo S. Vito	Layout scheda PWM PWM card layout	Schemi elettrici / Wiring diagrams		
				DRAW.	I.D.						
				VERIF.	I.D.				63F300007	Logic 2022	SHEET 4 OF 17
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AP2

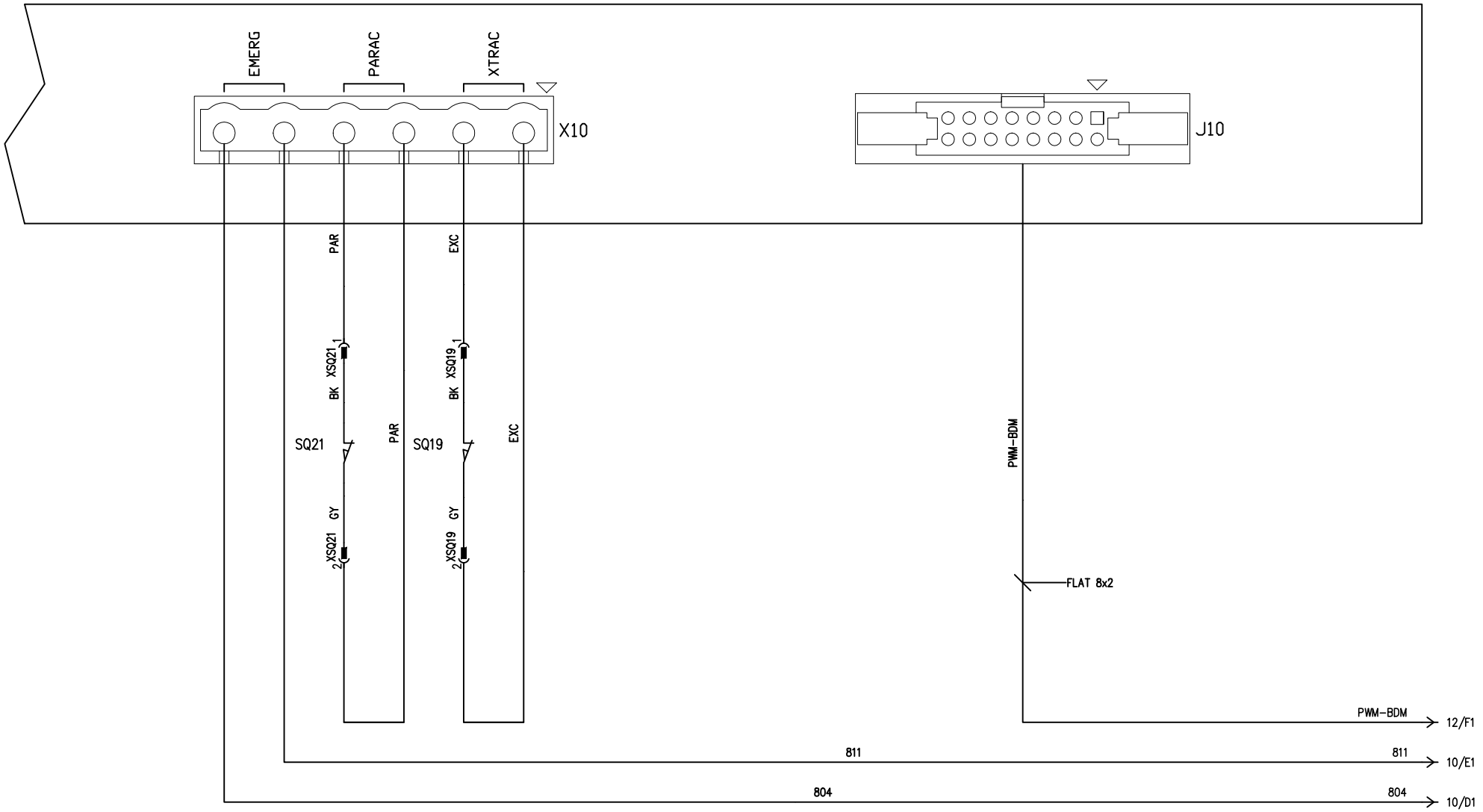
SCHEDA ELETTRONICA PWM
PWM ELECTRONIC CARD



				DATE	29/04/2024	extroma®	Extrema S.r.l. Bagnolo S. Vito	Connessioni scheda PWM PWM card connections	Schemi elettrici / Wiring diagrams		
				DRAW.	I.D.						
				VERIF.	I.D.				63F300007	Logic 2022	SHEET 5 OF 17
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AP2

SCHEDA ELETTRONICA PWM
PWM ELECTRONIC CARD

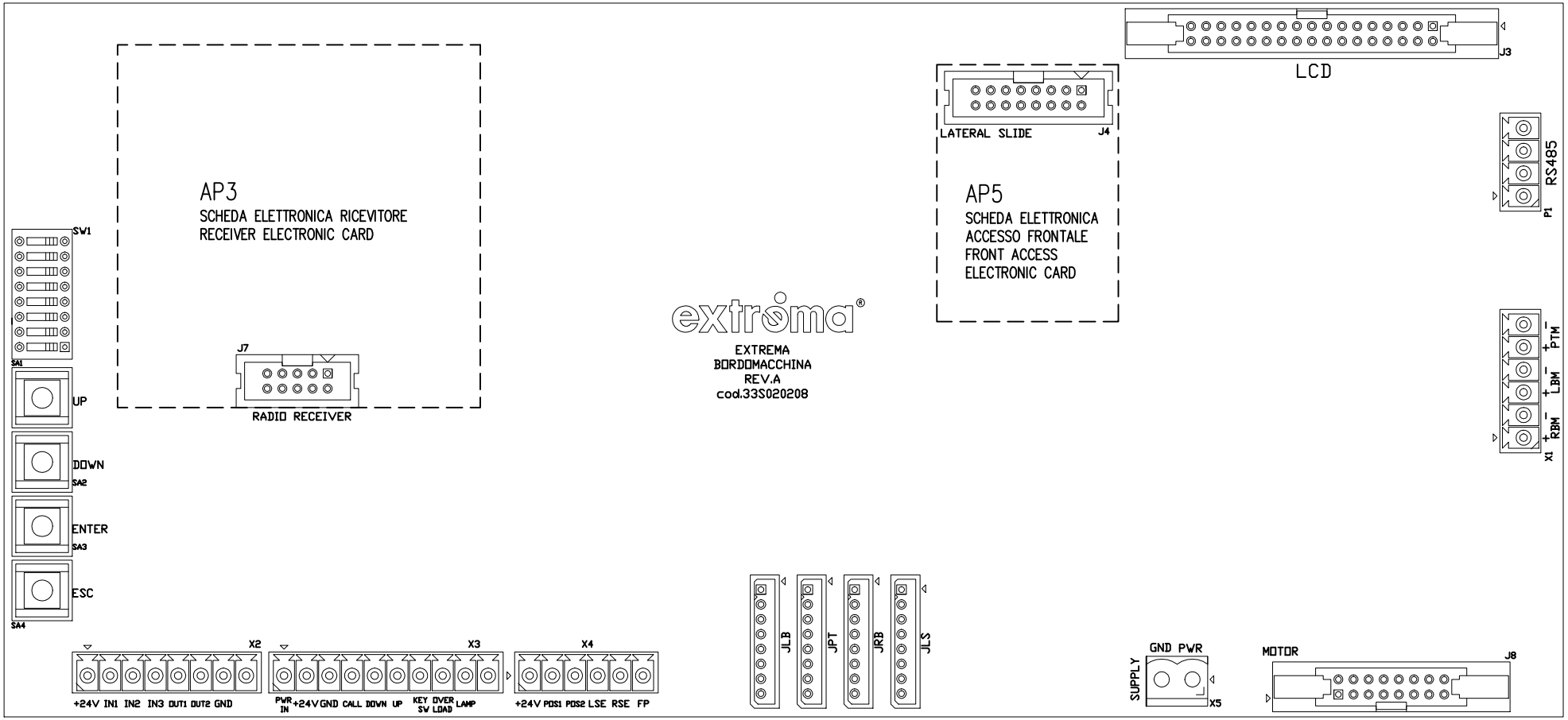


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AP1

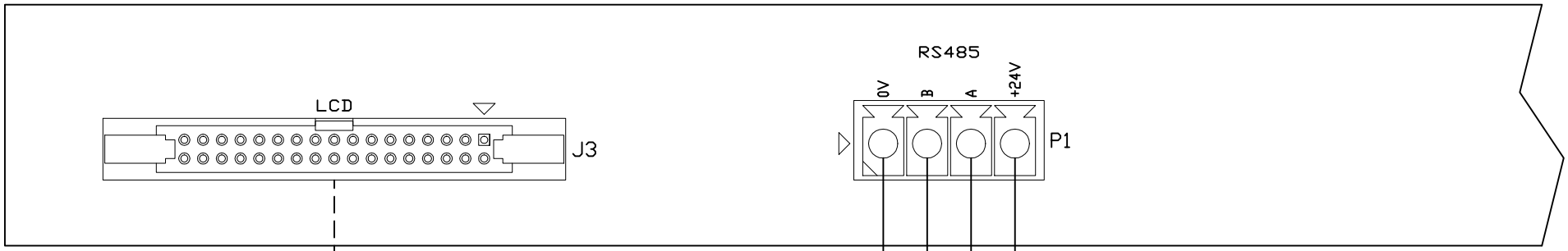
SCHEDA ELETTRONICA PLC

PLC ELECTRONIC CARD



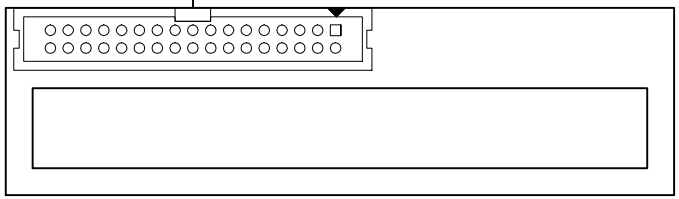
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				VERIF.	I.D.				63F300007	Logic 2022	SHEET 7 OF 17
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AP1
SCHEDA ELETTRONICA PLC
PLC ELECTRONIC CARD



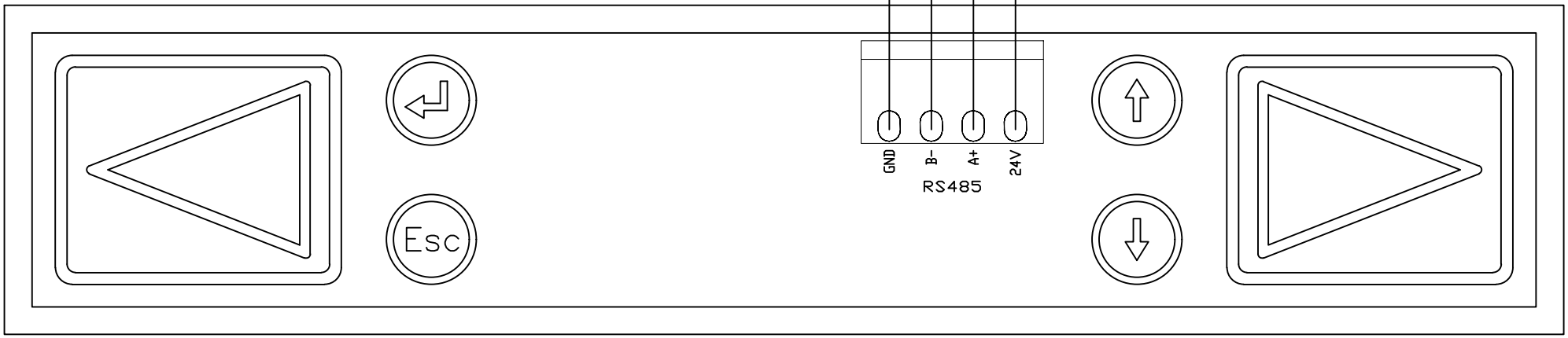
FLAT 17x2

AP4
DISPLAY



BK B- A+ RD

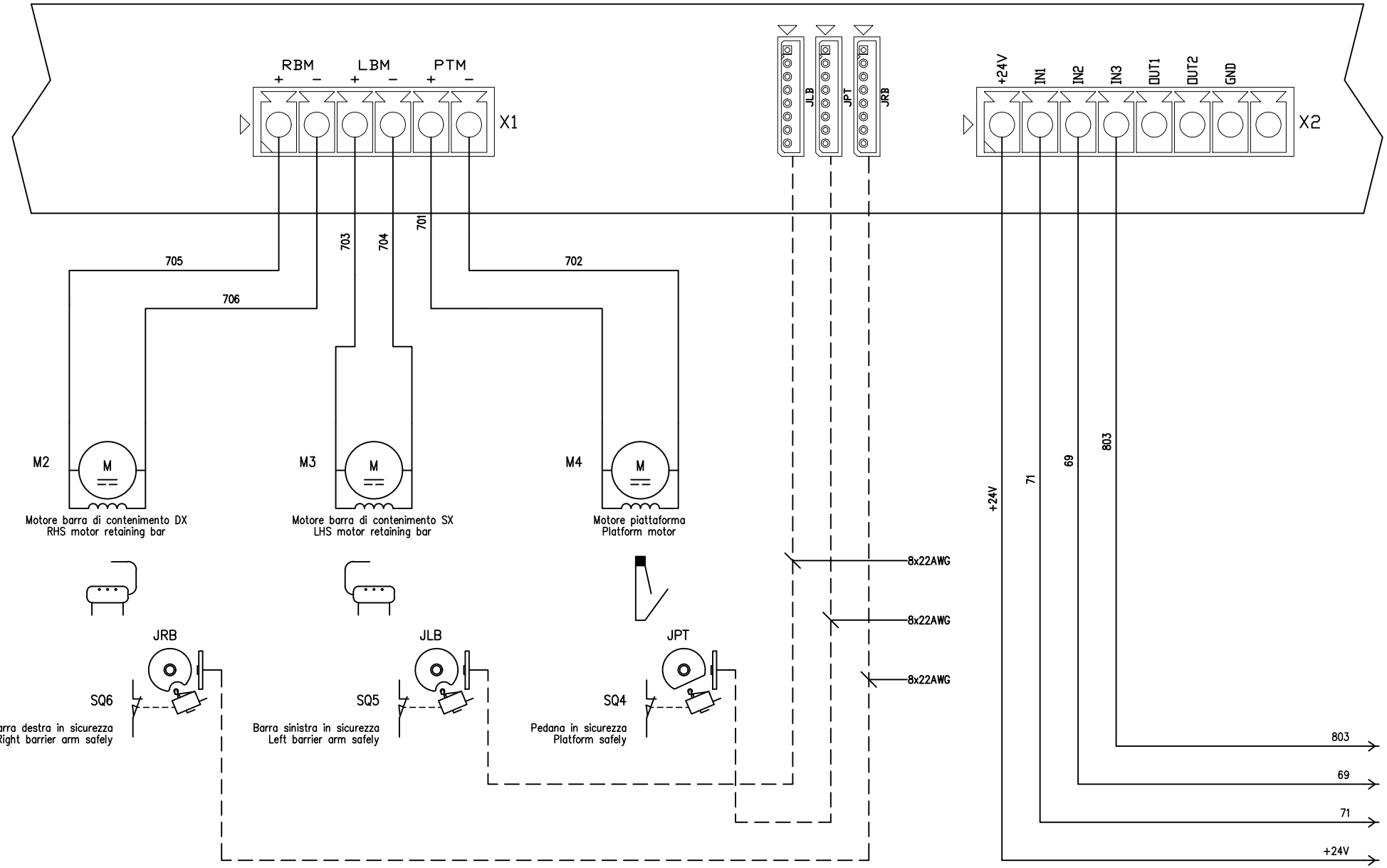
AP6
TASTIERA CAPACITIVA
CAPACITIVE KEYPAD



				DATE	29/04/2024	extroma®	Extrema S.r.l. Bagnolo S. Vito	Connessioni scheda PLC PLC card connections	Schemi elettrici / Wiring diagrams		
				DRAW.	I.D.						
				VERIF.	I.D.				63F300007	Logic 2022	SHEET 8 OF 17
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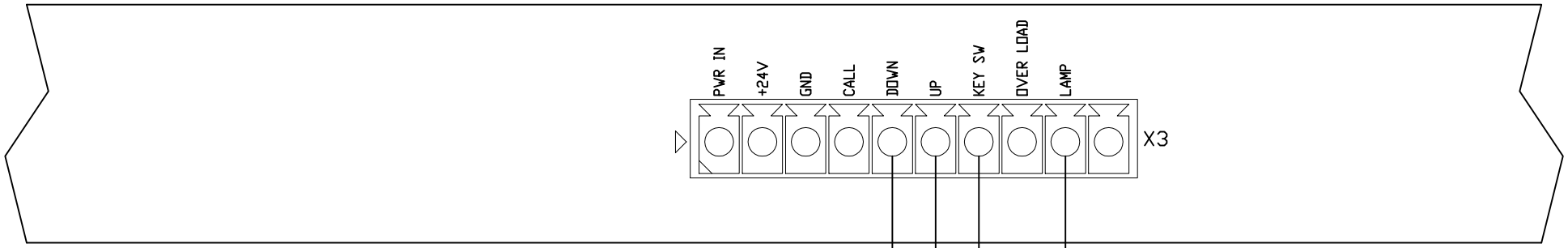
AP1

SCHEDA ELETTRONICA PLC
PLC ELECTRONIC CARD

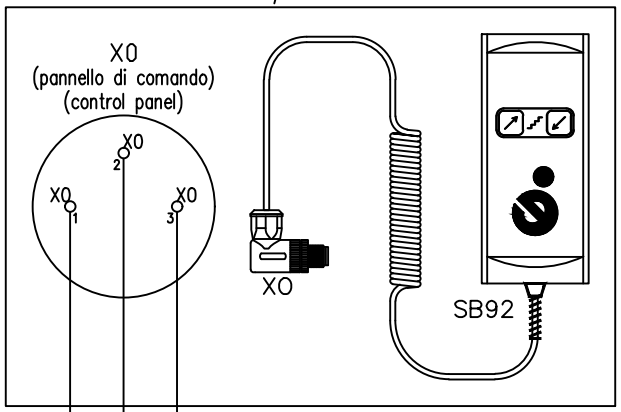


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AP1
SCHEDA ELETTRONICA PLC
PLC ELECTRONIC CARD



Pulsantiera per accompagnatore
Push button panel for attendant

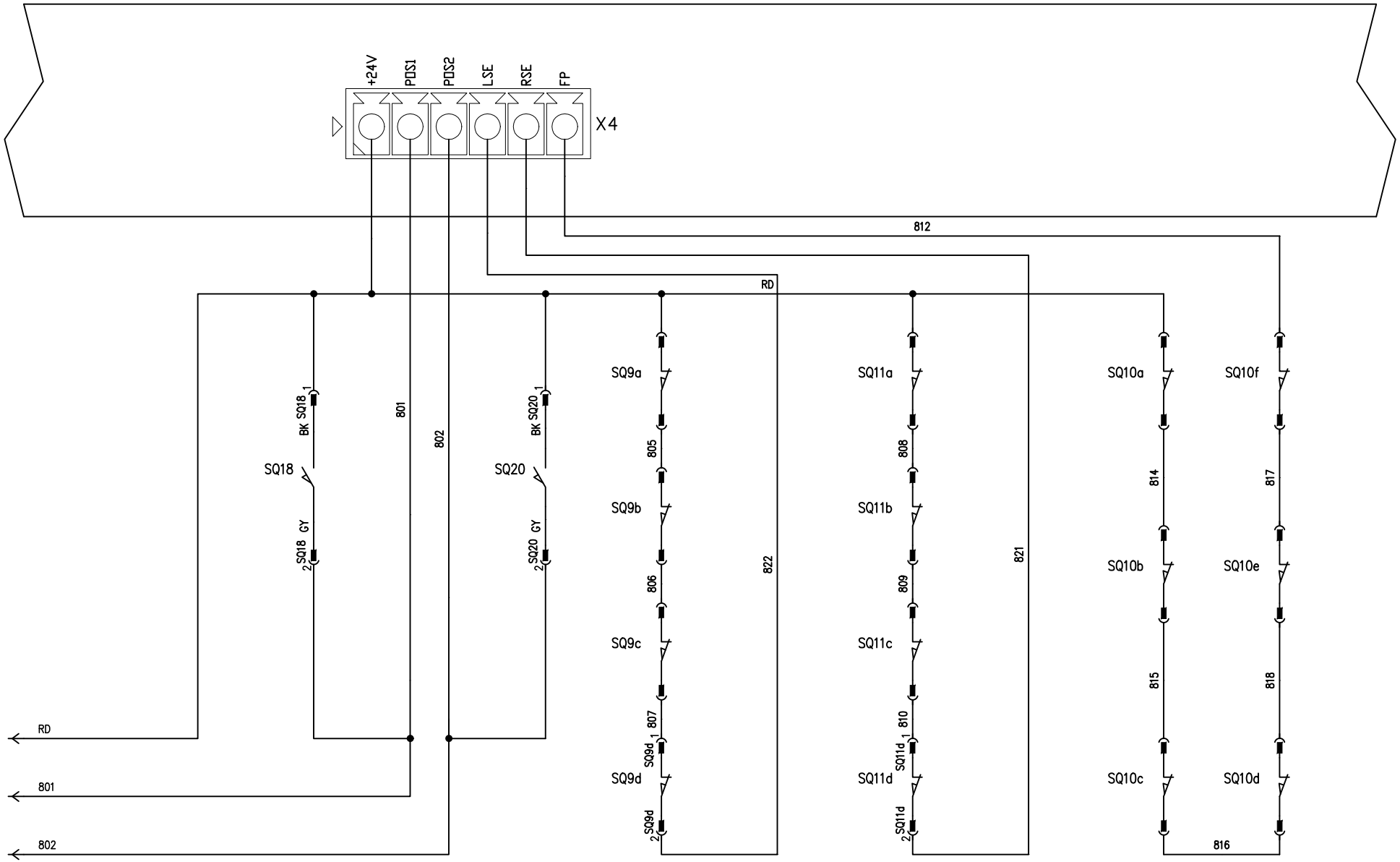


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AP1

SCHEDA ELETTRONICA PLC

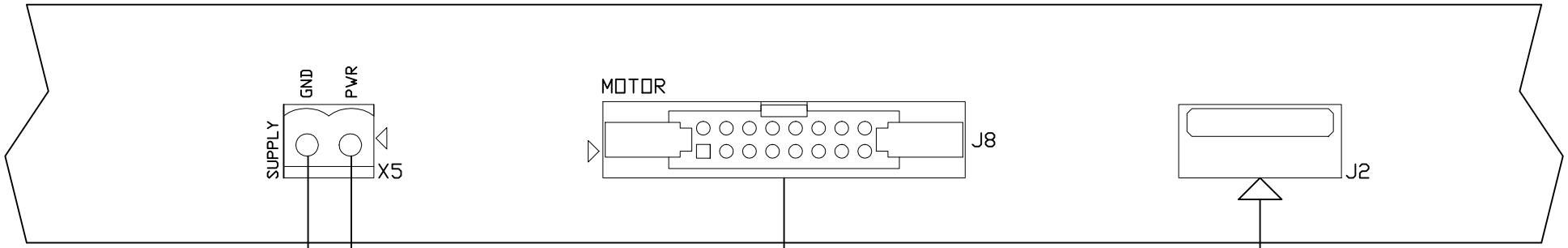
PLC ELECTRONIC CARD



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AP1

SCHEDA ELETTRONICA PLC
PLC ELECTRONIC CARD



Aggiornamento software
Software update

BK

SEIL

PWM-BDM

FLAT 8x2

10/F8 → BK

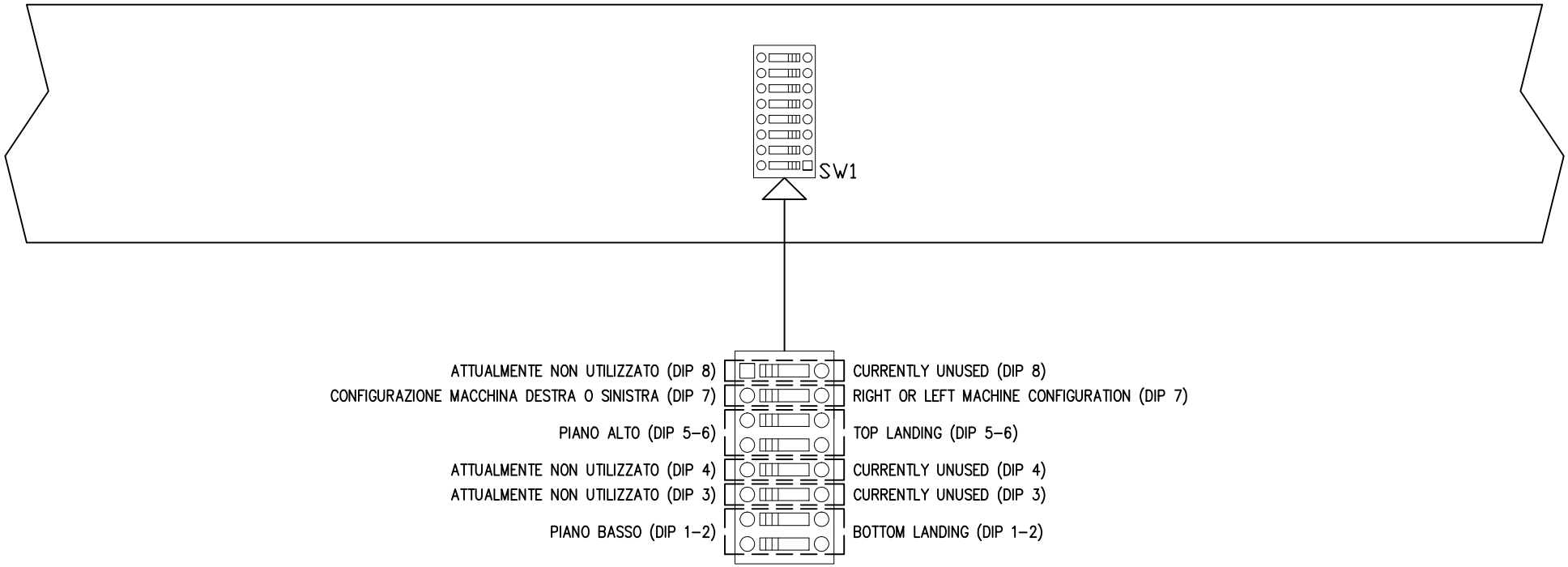
10/E8 → SEIL

6/E8 → PWM-BDM

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AP1

SCHEDA ELETTRONICA PLC
PLC ELECTRONIC CARD



PIANO BASSO / BOTTOM LANDING	DIP 1	DIP 2
nessuna barra (parcheggio) / no bar (parking)	off	off
solo barra a monte / only bar at top	off	on
solo barra a valle / only bar at bottom	on	off
entrambe le barre / both bars	on	on

PIANO ALTO / TOP LANDING	DIP 5	DIP 6
nessuna barra (parcheggio) / no bar (parking)	off	off
solo barra a monte / only bar at top	off	on
solo barra a valle / only bar at bottom	on	off
entrambe le barre / both bars	on	on

CONFIGURAZIONE MACCHINA DESTRA O SINISTRA RIGHT OR LEFT MACHINE CONFIGURATION	DIP 7
configurazione destra / right configuration	on
configurazione sinistra / left configuration	off

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				DRAW. I.D.			
				VERIF. I.D.			
				DATE 29/04/2024			

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Bagnolo S. Vito

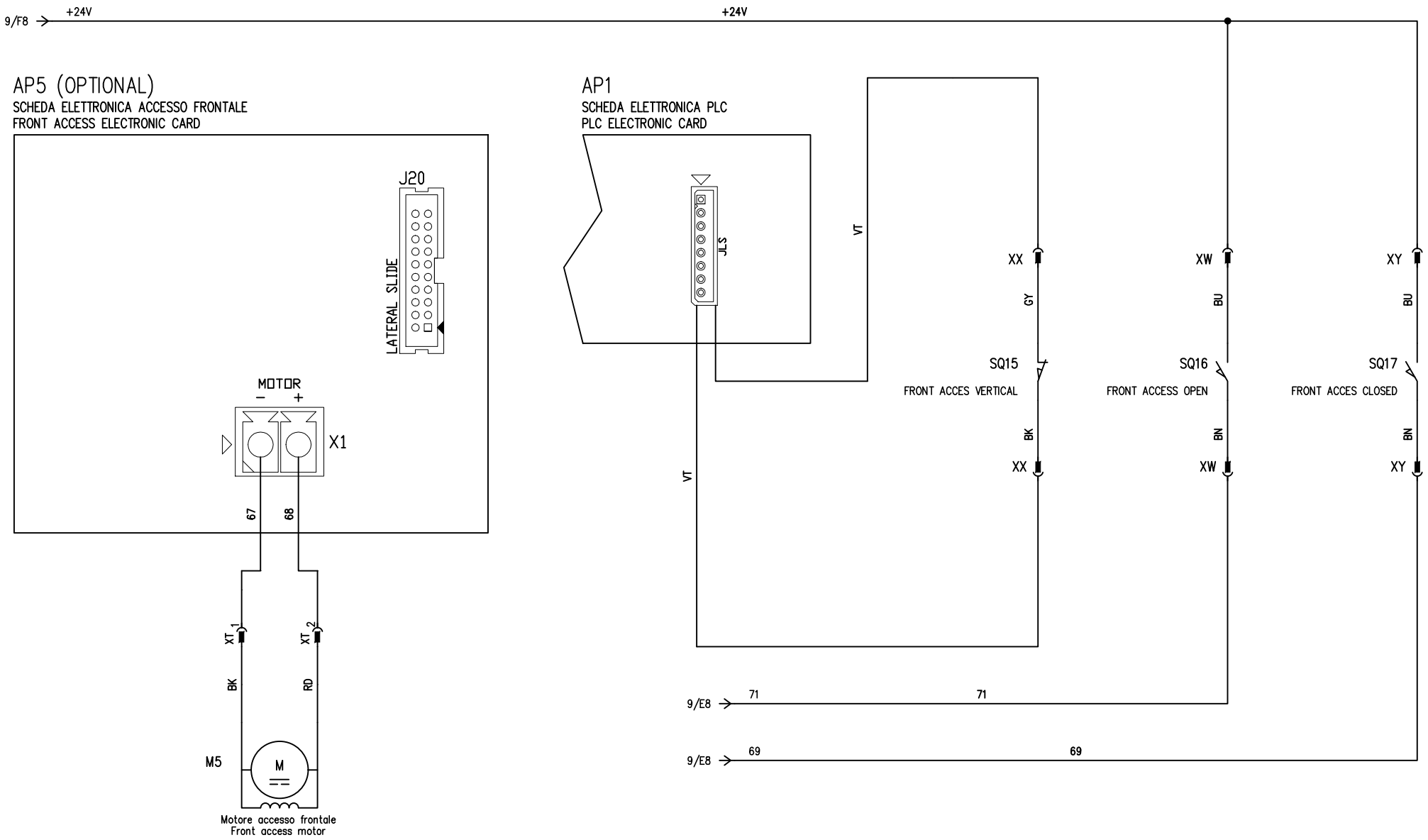
Connessioni scheda PLC
PLC card connections

Schemi elettrici / Wiring diagrams

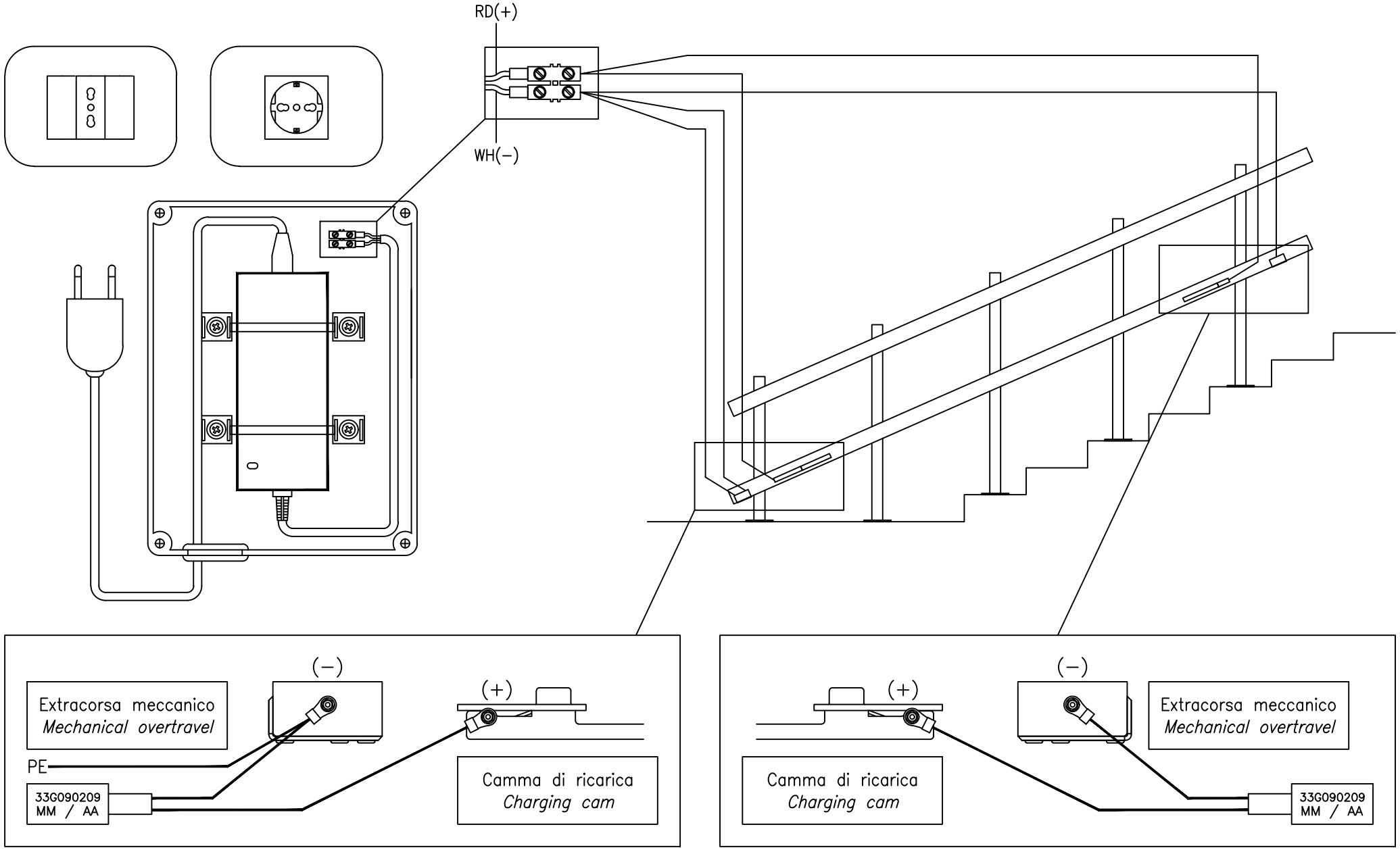
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				DATE	29/04/2024	extroma®	Extrema S.r.l. Bagnolo S. Vito	Espansione accesso frontale Front access expansion card	Schemi elettrici / Wiring diagrams		
				DRAW.	I.D.						
				VERIF.	I.D.				63F300007	Logic 2022	SHEET 14 OF 17
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				DATE	29/04/2024	extroma®	Extrema S.r.l. Bagnolo S. Vito	Collegamenti elettrici Electrical connections	Schemi elettrici / Wiring diagrams		
				DRAW.	I.D.						
				VERIF.	I.D.				63F300007	Logic 2022	SHEET 15 OF 17
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Indicazioni di collegamento

Il caricabatteria deve essere installato preferibilmente all'interno dell'edificio, a una distanza massima di 10 metri dal servoscala.

Per il fissaggio, utilizzare le staffe, le viti e i tasselli in dotazione, senza forare la scatola.

Il cavo completo di spina, in dotazione al caricabatterie, ha una lunghezza di circa 1 metro.

A cura del Cliente finale:
– nelle vicinanze del caricabatterie deve essere predisposta una presa di servizio avente linea elettrica a 3 conduttori (fase, neutro e terra) con sezione minima di 2,5 mmq;
– deve essere realizzata una canalizzazione per il collegamento dei contatti di ricarica;
– deve essere realizzata una linea elettrica dedicata, conforme alle normative vigenti, avente tre conduttori (fase, neutro e terra) con sezione non inferiore a 2,5mmq, protetta da un interruttore differenziale con massima corrente di intervento pari a 30mA e da un interruttore magnetotermico 6A curva C o fusibile T 3,15A.

Connection instructions

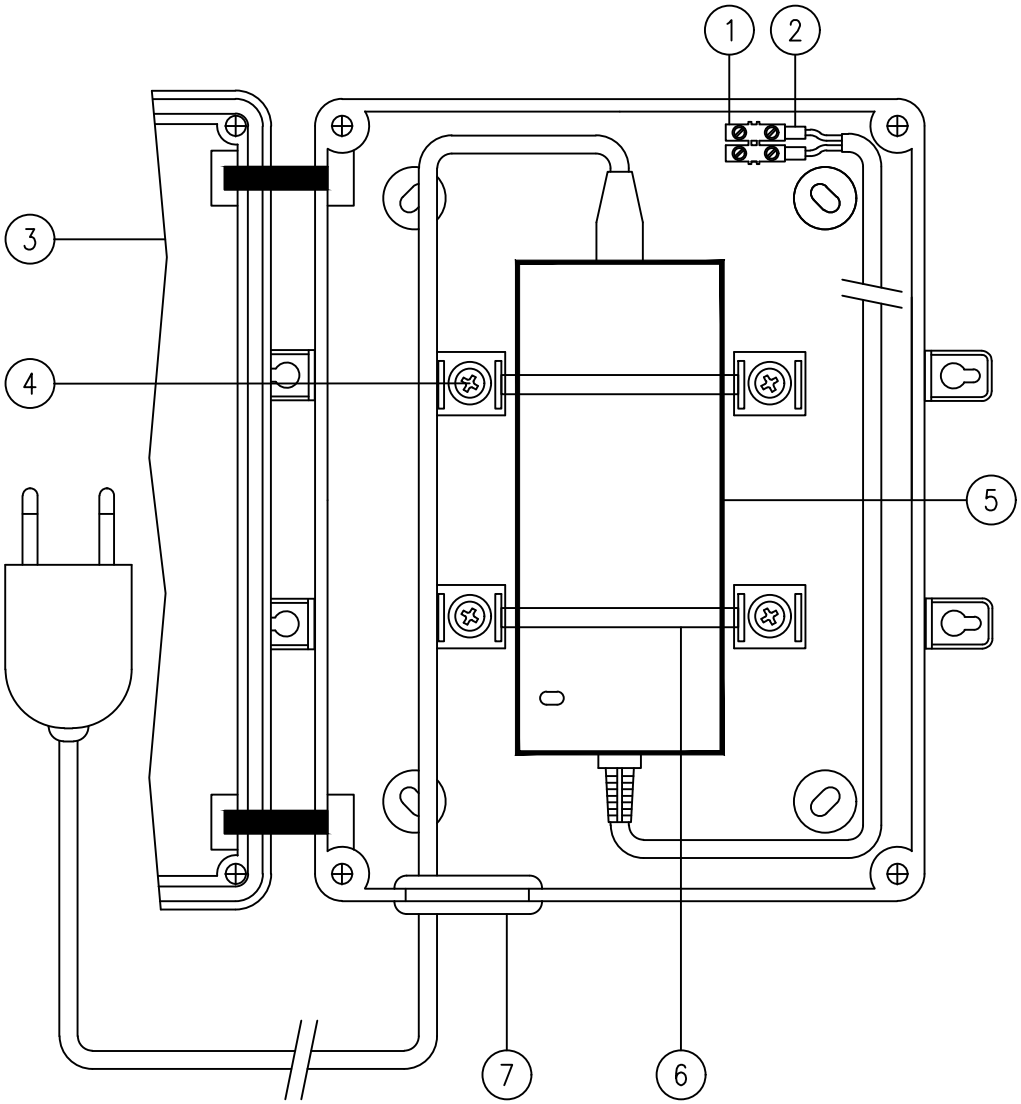
The battery charger should preferably be installed inside the building, at a maximum distance of 10 meters from the stairlift.

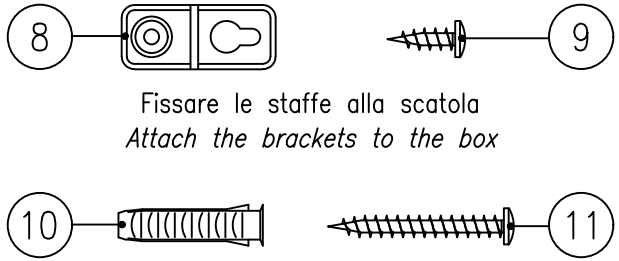
For fixing, use the brackets, screws and plugs supplied, without drilling the box.

The cable with plug, supplied with the charger, has a length of about 1 meter.

By the end customer:
– a service socket with a 3–conductor power line (phase, neutral and earth) with a minimum section of 2.5 sqmm must be arranged near the battery charger;
– a channel must be made for the connection of the charging contacts;
– a dedicated power line must be created, compliant with current regulations, with three conductors (phase, neutral and earth) with a cross–section of no less than 2.5mmq, protected by a differential switch with maximum tripping current of 30mA and by a switch 6A C curve circuit breaker or 3.15A T fuse.

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				VERIF.	I.D.				63F300007
				APPR.		REPL. ON:	REPL. BY:	ORIGIN:	Logic 2022
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Fissare le staffe alla scatola
Attach the brackets to the box

Consegnare in una busta la quantità indicata in tabella
Deliver the quantity indicated in the table in an envelope

Ref.	Qty	Descrizione/Description
11	4	Vite AF 3,5x25,4 UNI 6954/3,5x25,4 UNI 6954 self-tapping screw
10	4	Tassello Fischer S 5/Fischer plug S 5
9	4	Vite AF 3,9x9,5 AB UNI 6954 INOX/3.9x9.5 AB UNI 6954 INOX self-tapping screw
8	4	Staffa di fissaggio Bocchiotti 04861/Fastening bracket Bocchiotti 04861
7	1	Passacavi a membrana SR 1705 codice 19439/Membrane cable gland SR 1705 code 19439
6	2	Fascetta di fissaggio/Cable tie
5	1	Caricabatterie 24V 2A LYD2402000/Battery charger 24V 2A LYD2402000
4	4	Placchetta avvitata per fissaggio fascetta/Screwed-on plate for clamp fastening
3	1	Scatola Bocchiotti 04844/Box Bocchiotti 04844
2	2	Capicorda isolati per conduttori in rame/Insulated terminals for copper conductors
1	2	Morsetto/Terminal block

REV.	CHANGE	DATE	SIGNATURE						
				DATE	29/04/2024	extroma®	Extrema S.r.l. Bagnolo S. Vito	Caricabatterie Battery charger	Schemi elettrici / Wiring diagrams
				DRAW.	I.D.				
				VERIF.	I.D.				63F300007
				APPR.		REPL. ON:	REPL. BY:	ORIGIN:	Logic 2022

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NEXT

Timbro del rivenditore o della ditta autorizzata per l'assistenza tecnica

Stamp of retailer or authorized service agent

Extrema S.r.l. - Società Unipersonale
Via dell'Industria 2, 46031 Bagnolo San Vito (MN) – Italy
tel (+39) 0376 252443
fax (+39) 0376 251091
web www.extrema.it
mail info@extrema.it