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Repubblica di San Marino

Modello Macchina Machine Model Maschine Modell Modele de la Machine Modelo Maquina	Masterwrap HD PGS		Numero Matricola Machine Serial Number Maschine Kennummer Numero de Matricule Numero de Matricula			
Tensione di alimentazione Power Supply Voltage Spannungsversorgung Voltage electrique Tension de Alimentacion	230 V	50 Hz	Potenza Installata Installed Power Installierte Leistung Puissance installée Potencia Instalada	1,4 kW	Corrente Assorbita Absorbed Current Stromaufnahme Absorption Electrique Absorcion	9,5 A
For Robopac Use Only						
Control cabinet code	7450306995R7040B		Revision index	R0	Bill number	3306
Costruire secondo specifica tecnica 50.1.1 Controllare con scheda di collaudo						
3709306959						
Edited by	L. Peroni		Checked by	M. Terenzi	Approved by	C. Casale



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		57	Alimentazione 24Vdc 24Vdc Power supplly		13/01/2021	Iperoni
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		600	Layout Layout		13/01/2021	Iperoni
		610	Layout armadio elettrico Panel layout		13/01/2021	Iperoni
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		S/N		7450306995R7040B	
		Mod.		Masterwrap HD PGS	
		w.d.			
N.		Ref.			Kg
Un	230 V v	Ph	1 Ph + N	f	50 Hz Hz
In	9,5 A	Ik	10	Ka	
Data				By	

Distinta articoli

Parts list

F01_ART_0000

DT	Designazione Designation	Numero tipo Type number	Produttore Manufacturer	Quantità Quantity	Codice Code	Pagina Page
-Z101	Filtro alimentazione Main filter	10SS4-2DC2-Q (10S42EC2)	Comestero Sistemi	1	00L0430751D	/10.1
-QS101	SEZIONATORE 3P A PORTELLA AC21A 40A 3P SWITCH 40A-DIRECT/DOOR COUPLING	GA040C	Lovato Electric	1	00L0523082	/10.1
-QS101	MANIGLIA NERA SEL.SPORGENTE LUCCH.IP65 HANDLE	GAX63BV	Lovato Electric	1	00L0523086	/10.1
-1X201.1	Connettore femmina Female connector	734-124/037-000	WAGO	1	00L0544581	/10.3
-1X201.2	Connettore maschio Male connector	734-324/019-000	WAGO	1	00L0544582	/10.3
-2X201	Distributore elettrico Slip ring	SERVOT.SVTS A 04-S-A-04/18-0750/0750-ET-000	Servotecnica	1	1160300013	/10.3
-3X201.1	Connettore femmina Female connector	734-124/037-000	WAGO	1	00L0544581	/10.3
-3X201.2	Connettore maschio Male connector	734-324/019-000	WAGO	1	00L0544582	/10.3
-W-X2005.1.2	Control cable iguPUR chainflex® CF890 3G1,5 Cable	CF890	IGUS	3,95	00L0553253	/10.5
-F105	Base per fusibile 10,3 X 38 Base for fuse 10,3 X 38	10,3X38 1P		1	0001352427E	/10.5
-F105	Fusibile Cilindrico 10,3x38 AM 6A 500VAC Cylindrical Fuse 10,3x38 AM 6A 500VAC	10,3x38 AM 6A 500VAC		1	0001304149	/10.5
-U201	Inverter Variable speed drives	INV01ROB_4	Robopac	1	1430300278	/20.1
-U301	Inverter Variable speed drives	INV01ROB_4	Robopac	1	1430300278	/30.1
-W-M202	Cavo iguPUR chainflex® CF891 (4G1,0)C Cable	CF891.10.04	IGUS	3,25	00L0502345	/30.1
-W-X2005.1.1	Cavo sistema di misura iguPUR chainflex® CF894 (4x(2x0,34)+4x0,5)C Cable	CF894.011	IGUS	3,95	00L0502344	/30.5
-SQ206	Finecorsa Limit switch	FR-1630-M1	Pizzato	1	0001309638L	/30.8
-F402	Base per fusibile 10,3 X 38 Base for fuse 10,3 X 38	10,3X38 1P		1	0001352427E	/40.2
-F402	Fusibile Cilindrico 10,3x38 GG 2A 500VAC Cylindrical Fuse 10,3x38 GG 2A 500VAC	10,3x38 GG 2A 500VAC		1	0001304231	/40.2
-F404	Base per fusibile 10,3 X 38 Base for fuse 10,3 X 38	10,3X38 1P		1	0001352427E	/40.4
-F404	Fusibile Cilindrico 10,3x38 GG 2A 500VAC Cylindrical Fuse 10,3x38 GG 2A 500VAC	10,3x38 GG 2A 500VAC		1	0001304231	/40.4
-U501	Power supply 60W, in: 1 phase 100-240VAC/90-350VDC, out: 24VDC/2.5A Power supply 60W, in: 1 phase 100-240VAC/90-350VDC, out: 24VDC/2.5A	S8VKG06024	Omron	1	00L0354044	/50.1
-U553	Logica Programmabile PLC	PLC03ROB	Robopac	1	1430300289	/55.3
-U572	Scheda Card	PRES04ROB_SW107	Robopac	1	1430300291	/57.2
-U600	Logica Programmabile di Sicurezza Safety Plc	CS MP202M0	Pizzato	1	00L0178476	/60.0
-S601	Pulsanti per arresto d'emergenza, Sblocco a rotazione Emergency-Stop actuator, non-illuminated , turn to release	M22-PVT	Eaton Moeller	1	0001300005F	/60.1
-S601	Supporto per contatti Fixing adapter	M22-A	Eaton Moeller	1	0001300700A	/60.1
-S601	Elementi di contatto, 1NC, Fissaggio frontale, Cage clamp Contact element, 1N/C, Front fixing, Cage clamp	M22-CK01	Eaton Moeller	2	0001300027C	/60.1
-W-S656	Cavo M12 4Poli Fem 5,0m M12 Cable 4P Fem 5,0m	M12 4P FEM 5,0M		1	0001313474	/65.6
-S656	Finecorsa magnetico Magnetic limit switch	SR AD42AM0.1-A01N	Pizzato	1	00L0579738G	/65.6
-K701	CONTATTORE, AC-3, 4KW/400V, 1NC, DC 24V CONTACTOR, AC-3, 4KW/400V, 1NC, DC 24V	3RT2016-2BB42	Siemens	1	00L0116064E	/70.1
-K701	VARISTORE AC 24...48V, DC 24...70V SURGE SUPPRESSOR, VARISTOR, AC 24...48V, DC 24...70V	3RT2916-1BB00	Siemens	1	00L0116090L	/70.1
-K702	CONTATTORE, AC-3, 4KW/400V, 1NC, DC 24V CONTACTOR, AC-3, 4KW/400V, 1NC, DC 24V	3RT2016-2BB42	Siemens	1	00L0116064E	/70.2
-K702	VARISTORE AC 24...48V, DC 24...70V SURGE SUPPRESSOR, VARISTOR, AC 24...48V, DC 24...70V	3RT2916-1BB00	Siemens	1	00L0116090L	/70.2
-K704	CONTATTORE, AC-3, 4KW/400V, 1NC, DC 24V CONTACTOR, AC-3, 4KW/400V, 1NC, DC 24V	3RT2016-2BB42	Siemens	1	00L0116064E	/70.4
-K704	VARISTORE AC 24...48V, DC 24...70V SURGE SUPPRESSOR, VARISTOR, AC 24...48V, DC 24...70V	3RT2916-1BB00	Siemens	1	00L0116090L	/70.4
-S1000	Pulsante, piatto, bianco, ad impulso Pushbutton actuator, flush, white, spring-return	M22-D-W	Eaton Moeller	1	0001307116L	/100.0
-S1000	Supporto per contatti Fixing adapter	M22-A	Eaton Moeller	1	0001300700A	/100.0
-S1000	Elementi di contatto, 1NA, Fissaggio frontale, Cage clamp Contact element, 1N/O, Front fixing, Cage clamp	M22-CK10	Eaton Moeller	1	0001300024F	/100.0



Description

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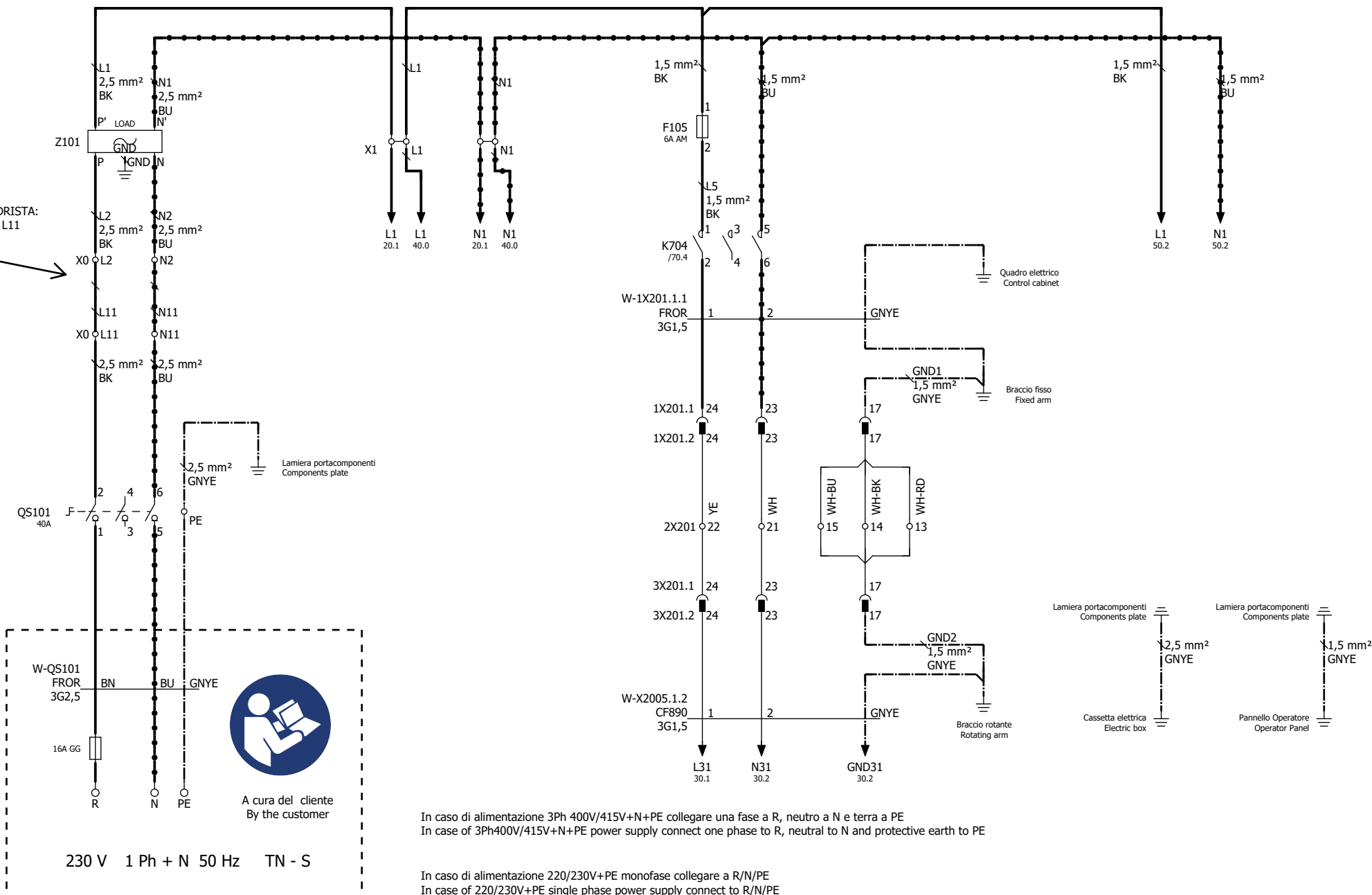
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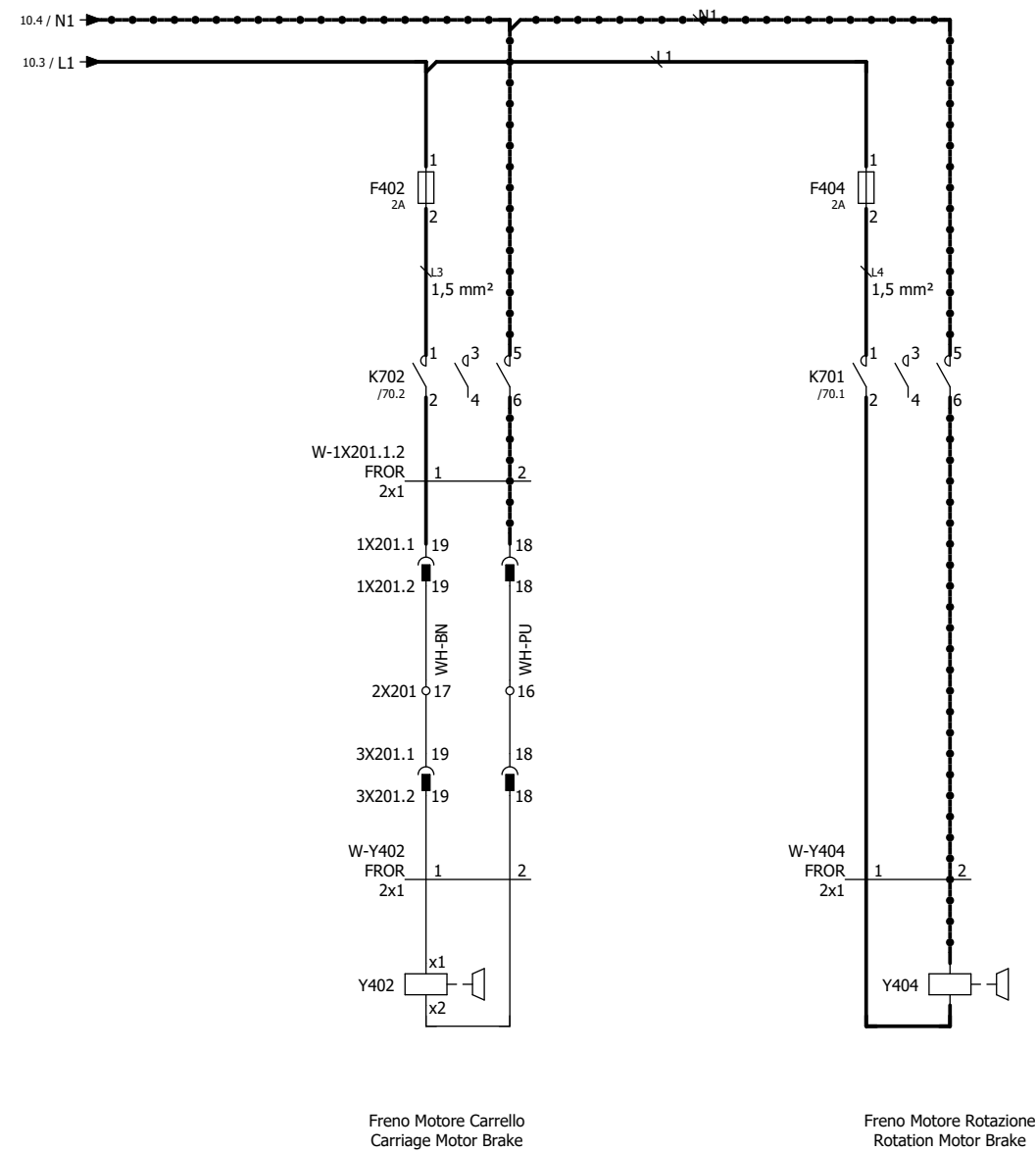
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Machine

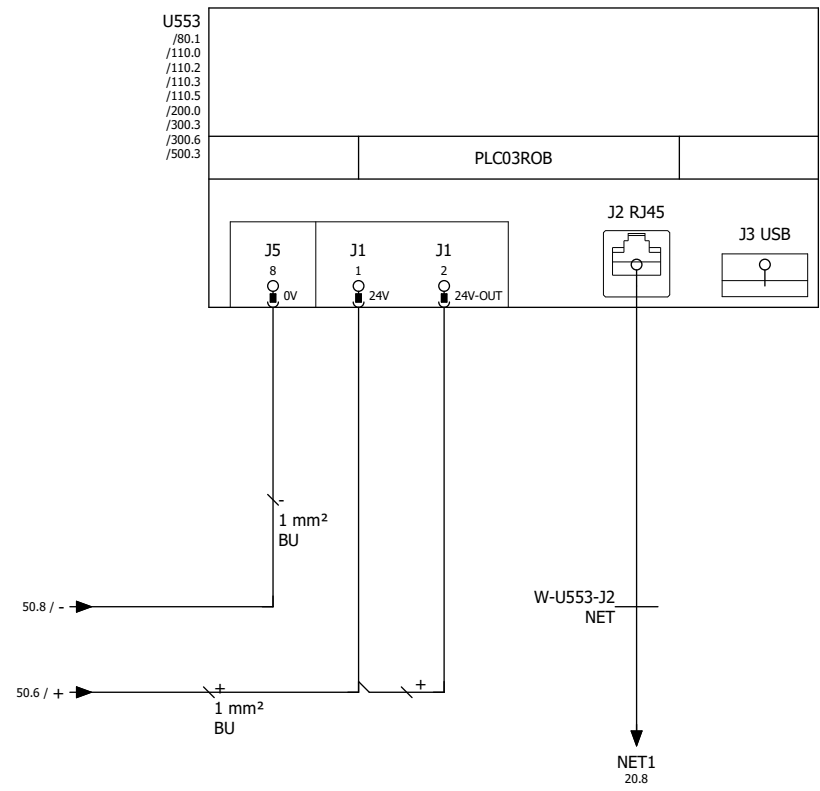
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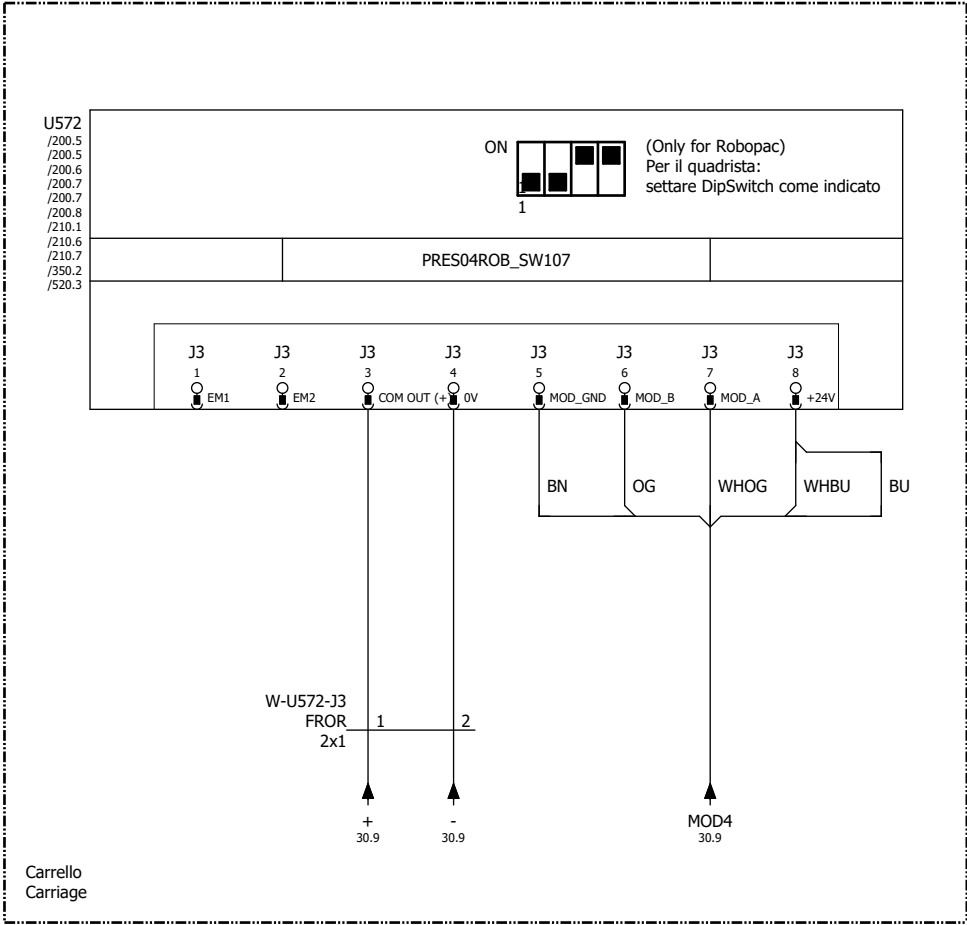
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ponticellare L2 con L11
e N2 con N11

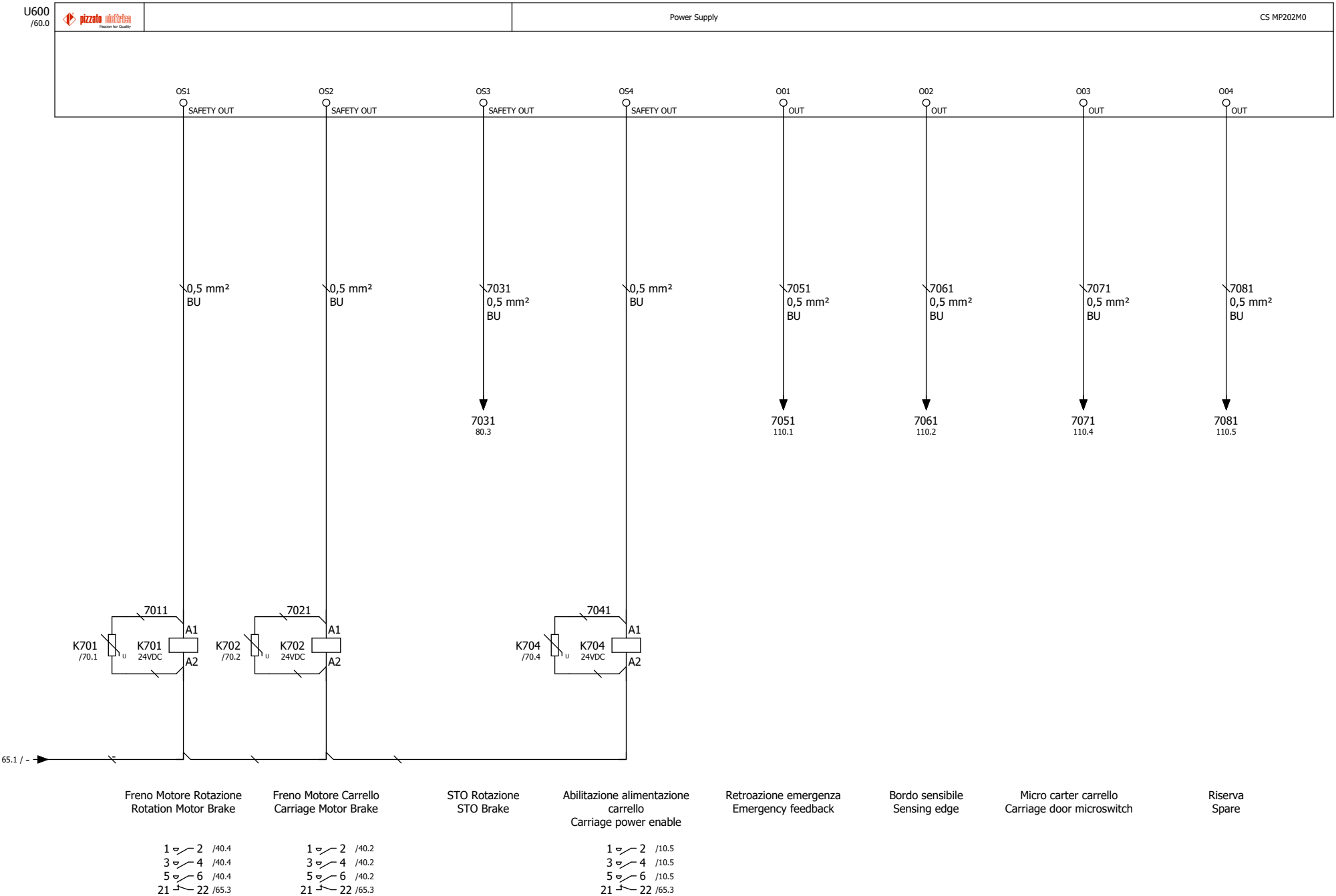


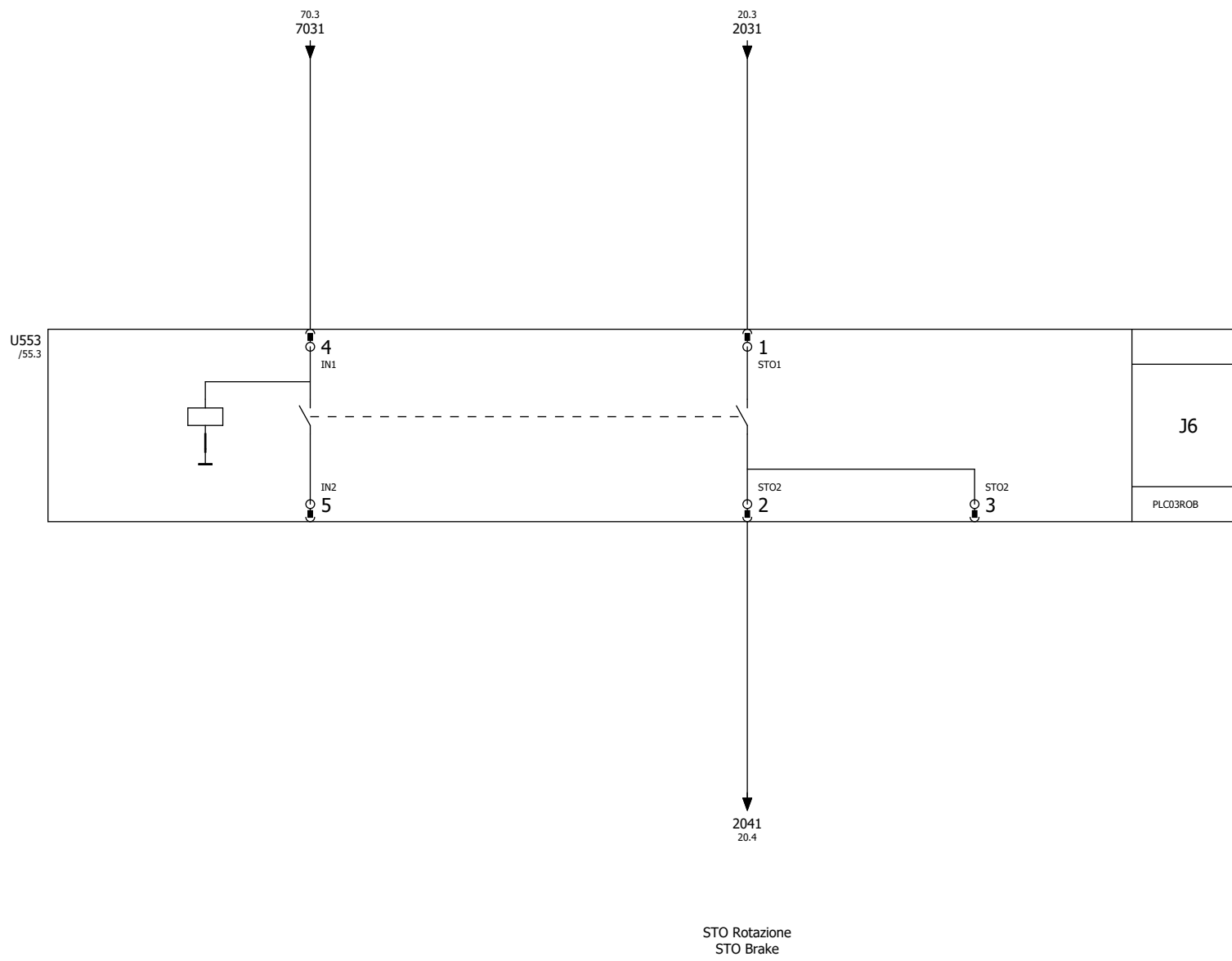


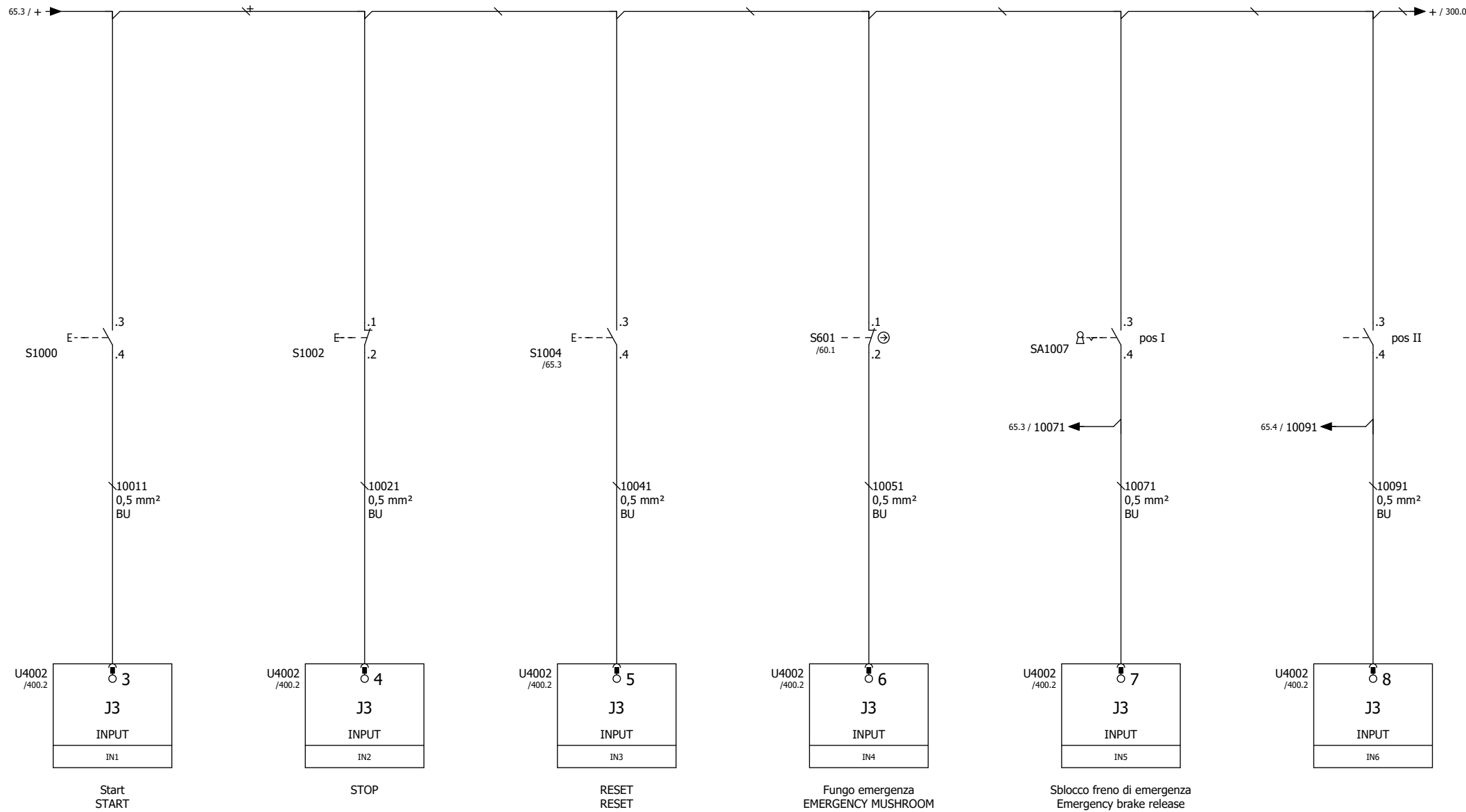


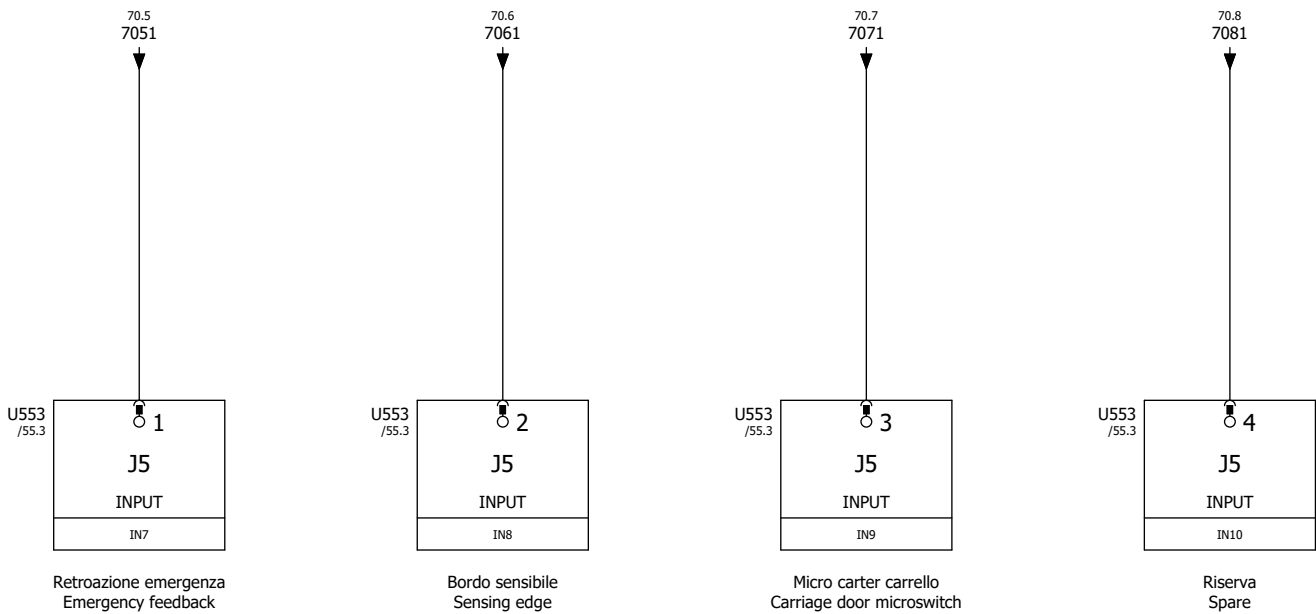


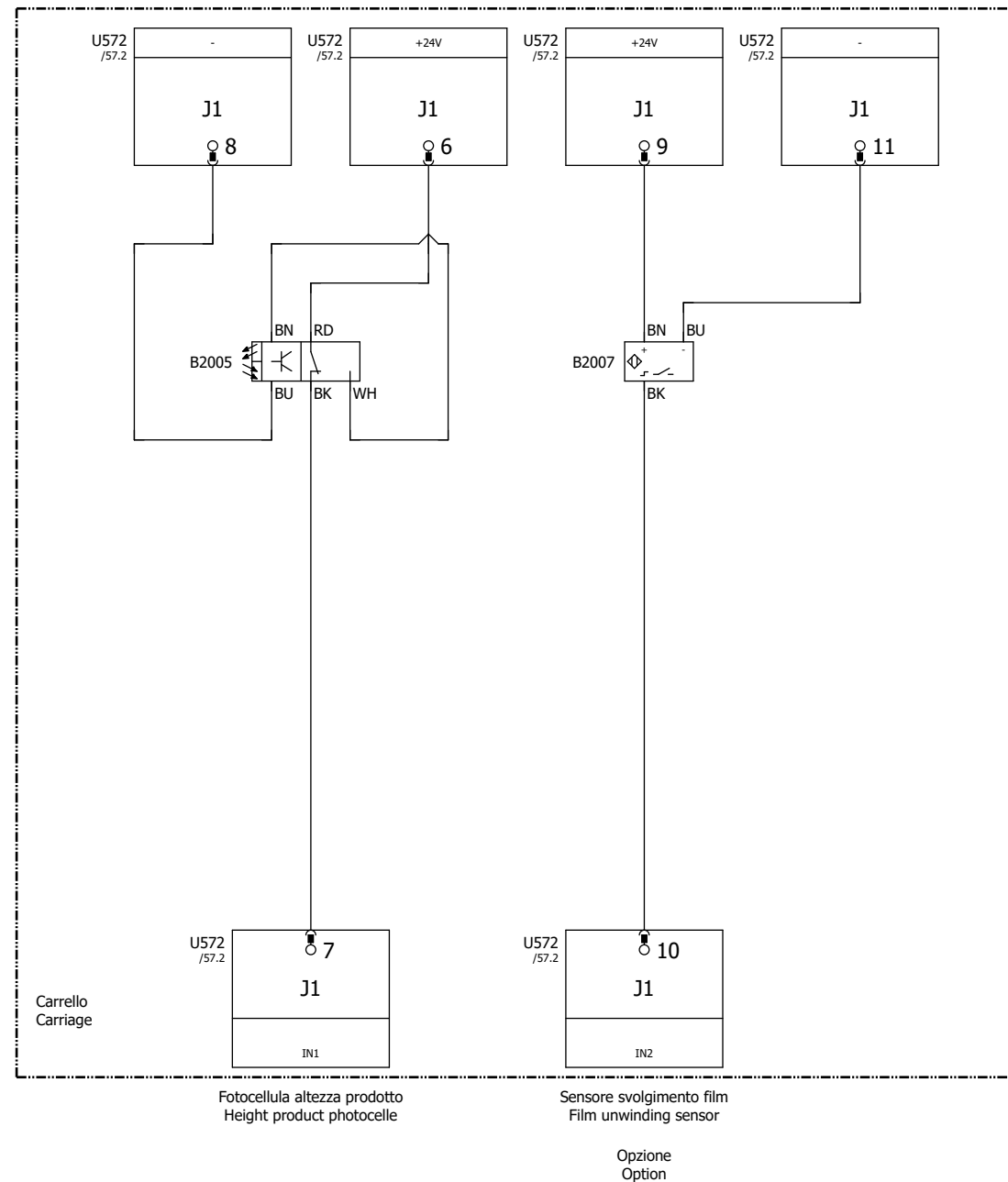
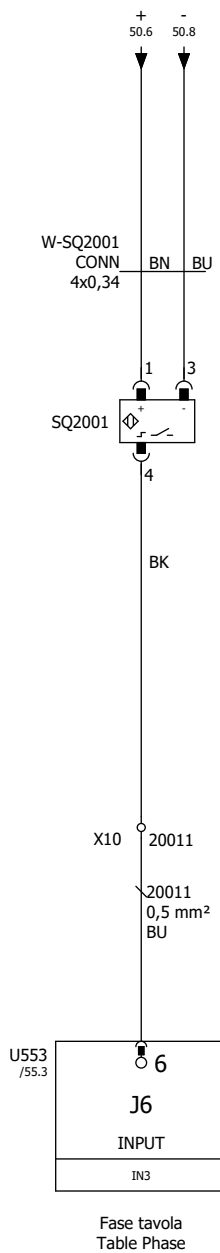


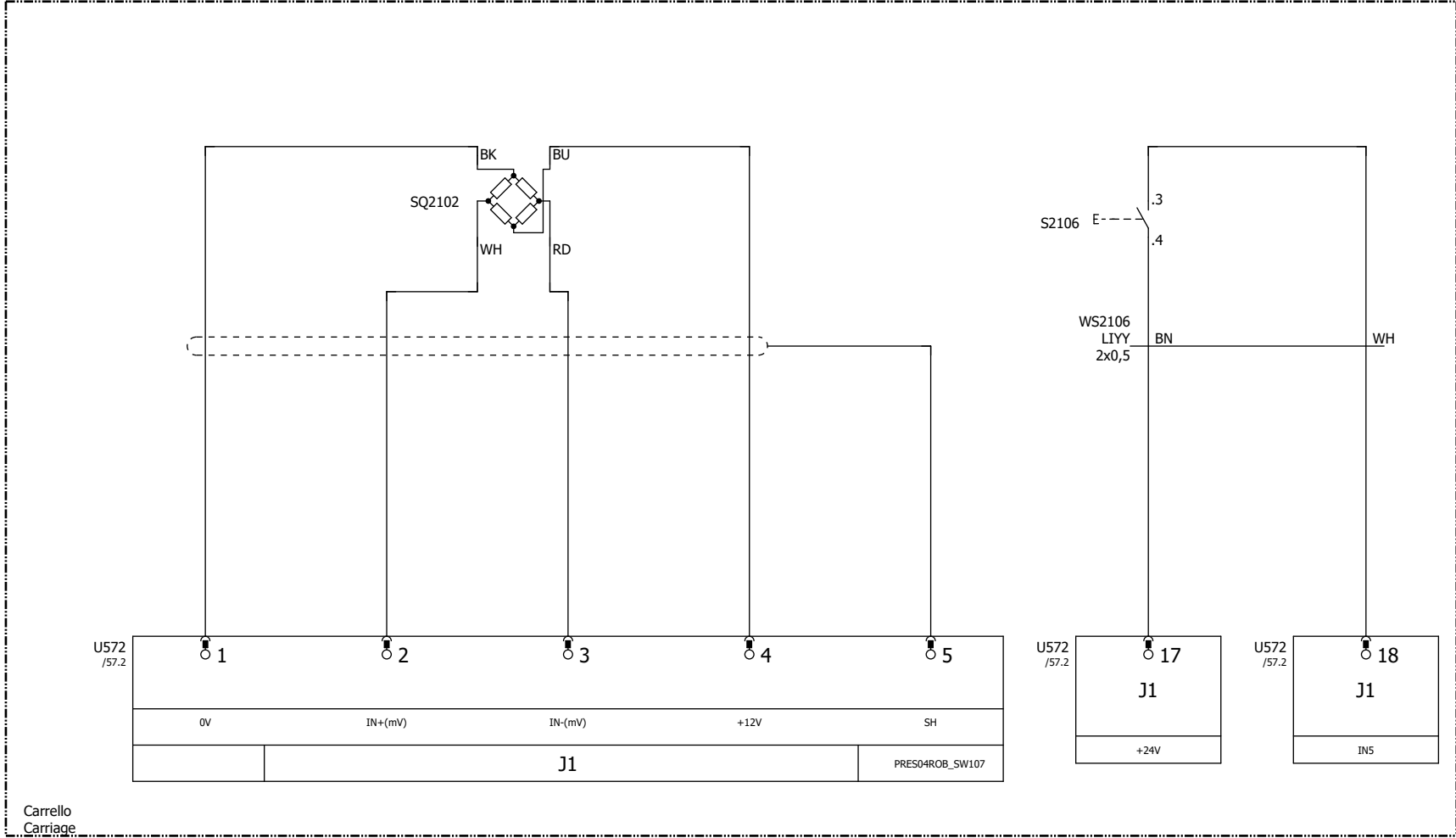


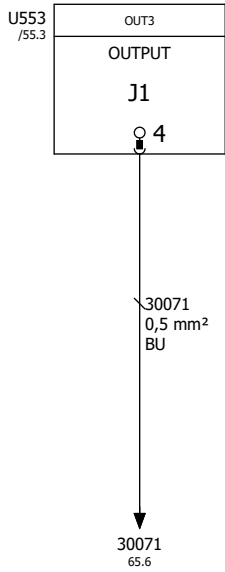
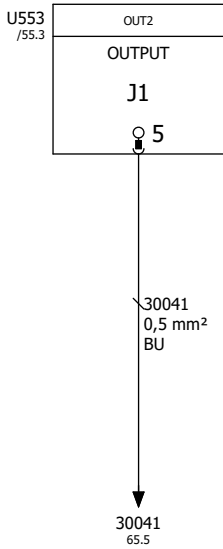
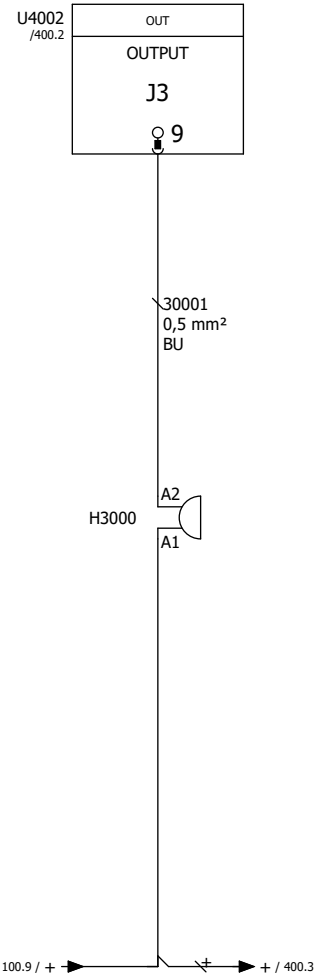












Sirena
Siren

Freno Motore Rotazione
Rotation Motor Brake

Freno Motore Carrello
Carriage Motor Brake



Description

Uscite
Outputs

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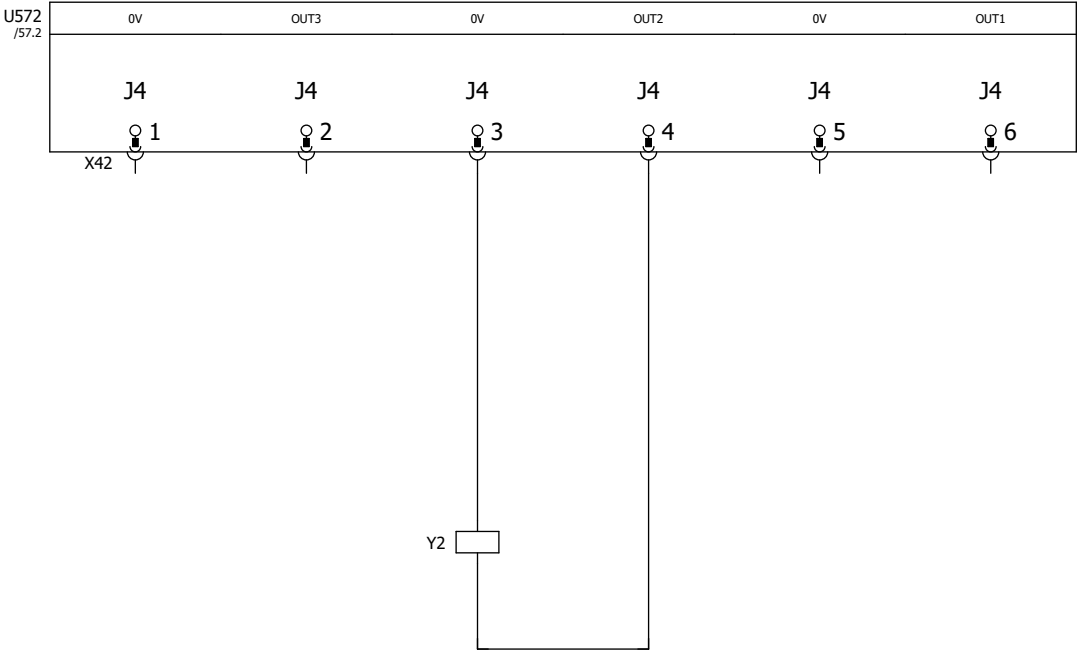
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Machine Masterwrap HD PGS

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Taglio film
Film cut

(Optional)



Description

Uscite
Outputs

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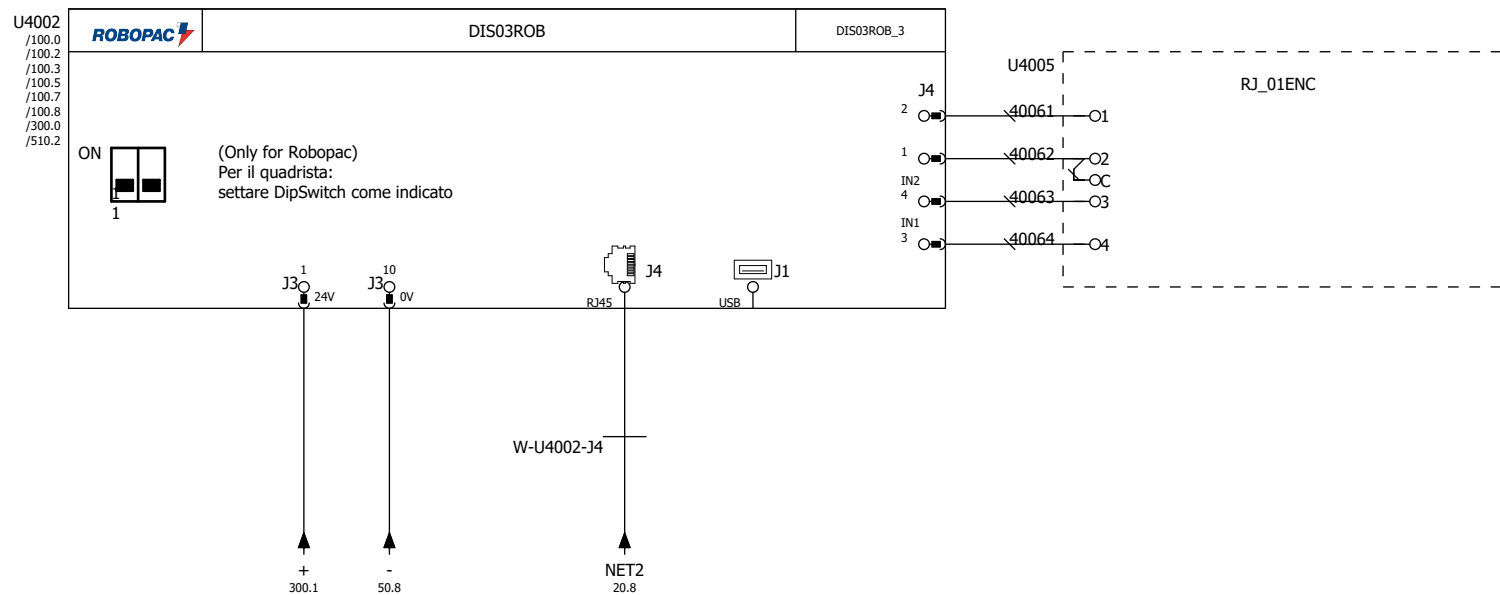
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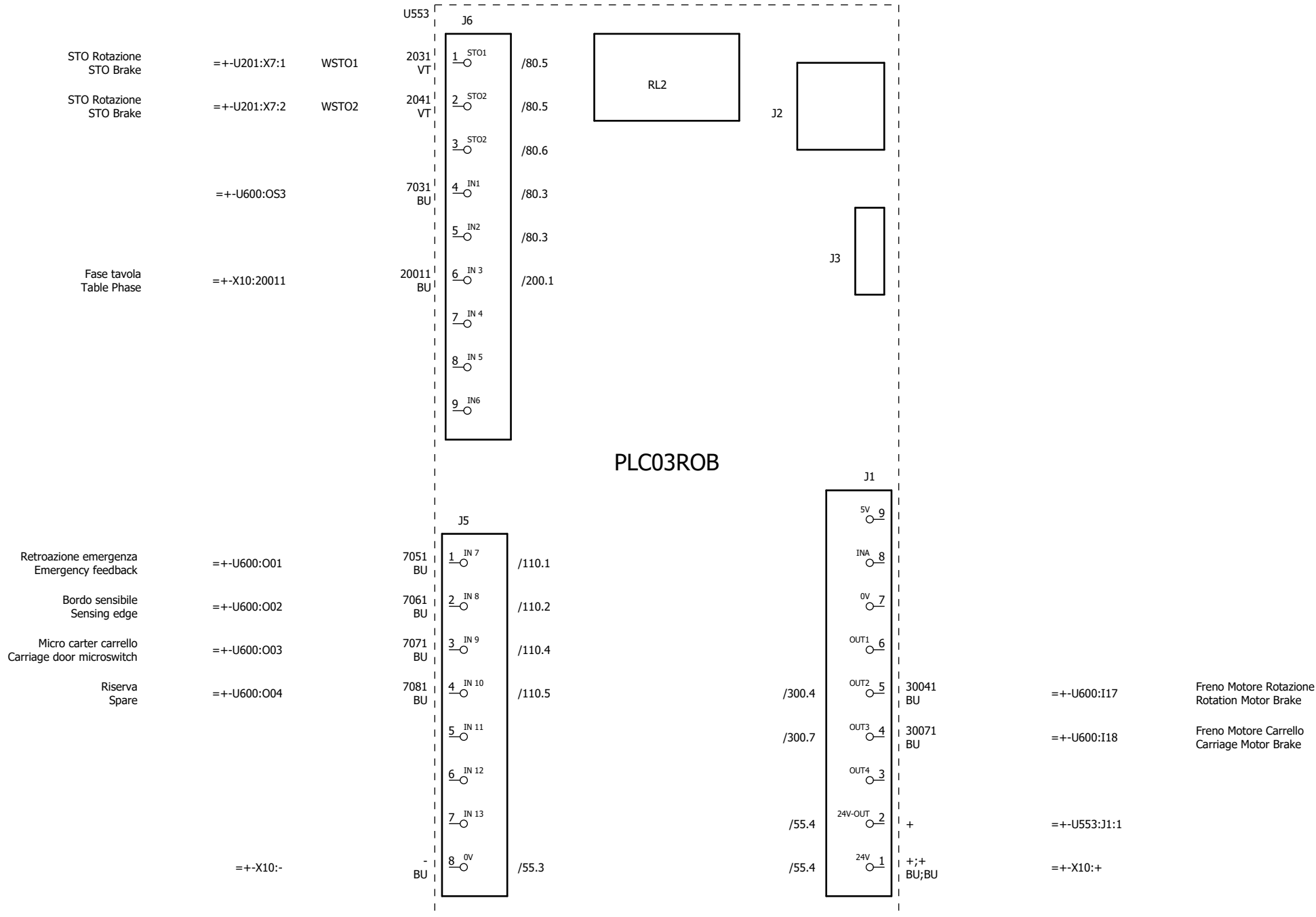
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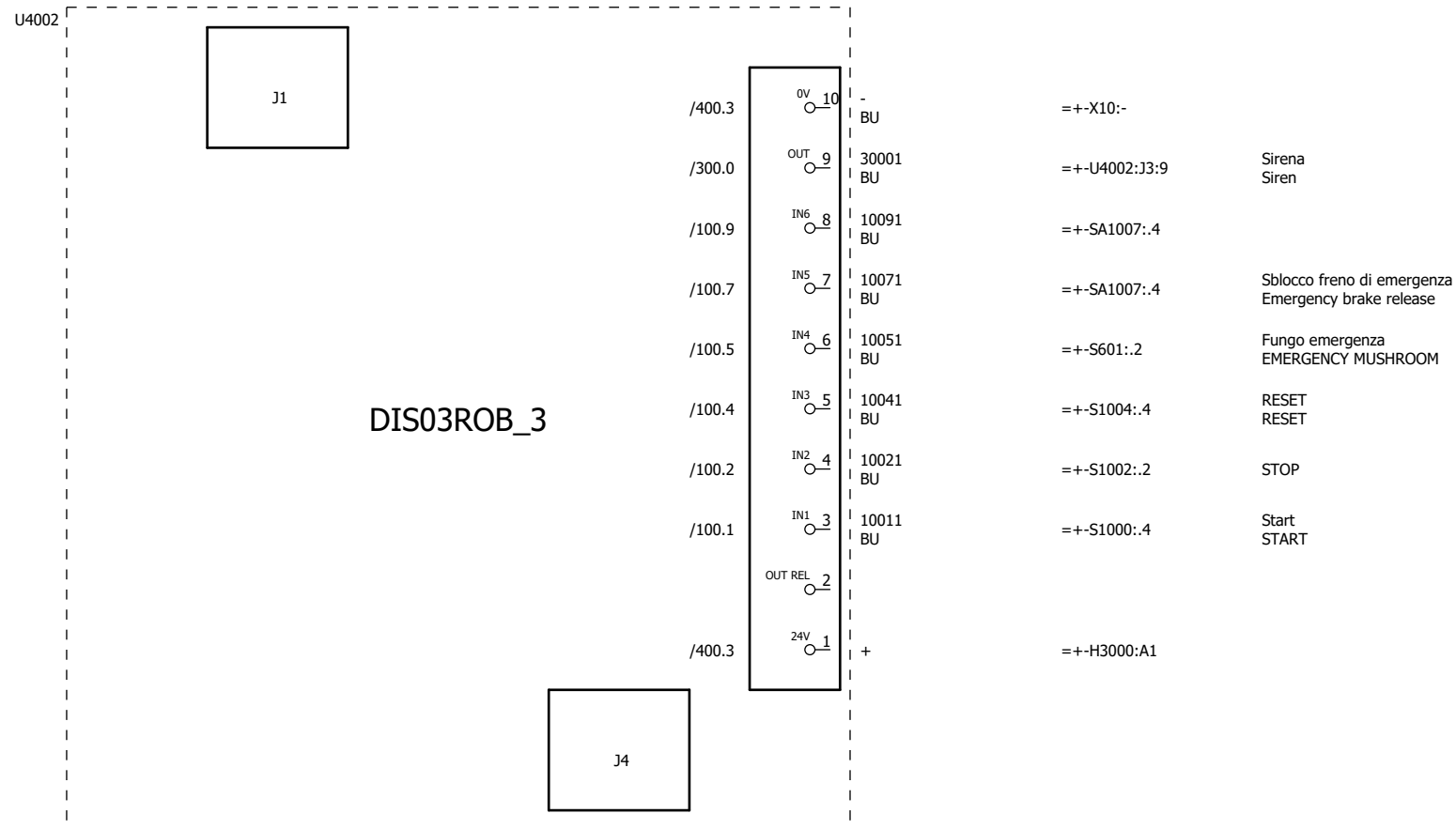
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Machine Masterwrap HD PGS

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Taglio film
Film cut

U572

J4

1	OV	/350.3
2	OUT3	/350.3
3	OV	/350.4
4	OUT2	/350.5
5	OV	/350.6
6	OUT1	/350.6

J3

1	EM1	/57.2
2	EM2	/57.3
3	COM OUT (-)	/57.3
4	OV	/57.4
5	MOD_GND	/57.4
6	MOD_B	/57.4
7	MOD_A	/57.5
8	+24V	/57.5



J1

EM2	20
EM1	19
IN5	18
+24V	17
IN4	16
+24V	15
	14
IN3	13
+24V	12
	11
IN2	10
+24V	9
	8
IN1	7
+24V	6
SH	5
+12V	4
IN-(mV)	3
IN+(mV)	2
OV	1

WH	WS2106.	=+-S2106:.3
BN	WS2106.	=+-S2106:.4
BU	WB2007.	=+-B2007:BU
BK	WB2007.	=+-B2007:BK
BN	WB2007.	=+-U572:J1:9
BU	WB2005.	=+-U572:J1:8
BK	WB2005.	=+-B2005:BK
RD	WB2005.	=+-B2005:RD
SH	WSQ2102.	=+
BU	WSQ2102.	=+-SQ2102:BU
RD	WSQ2102.	=+-SQ2102:RD
WH	WSQ2102.	=+-U572:J1:2
BK	WSQ2102.	=+-U572:J1:1

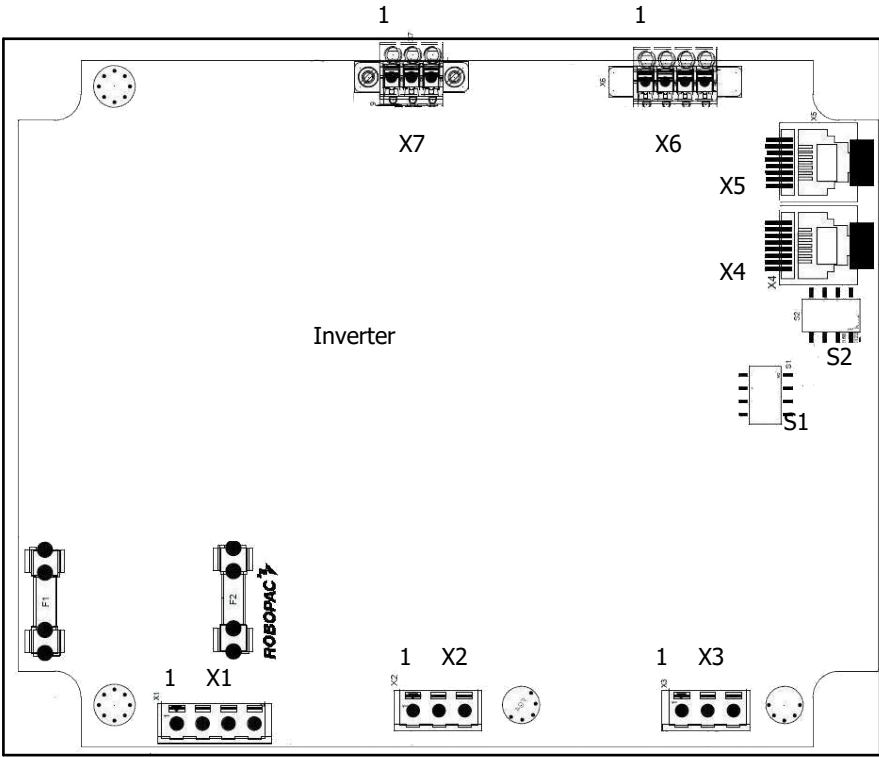
Pulsante svolgimento film
Unrolling film button

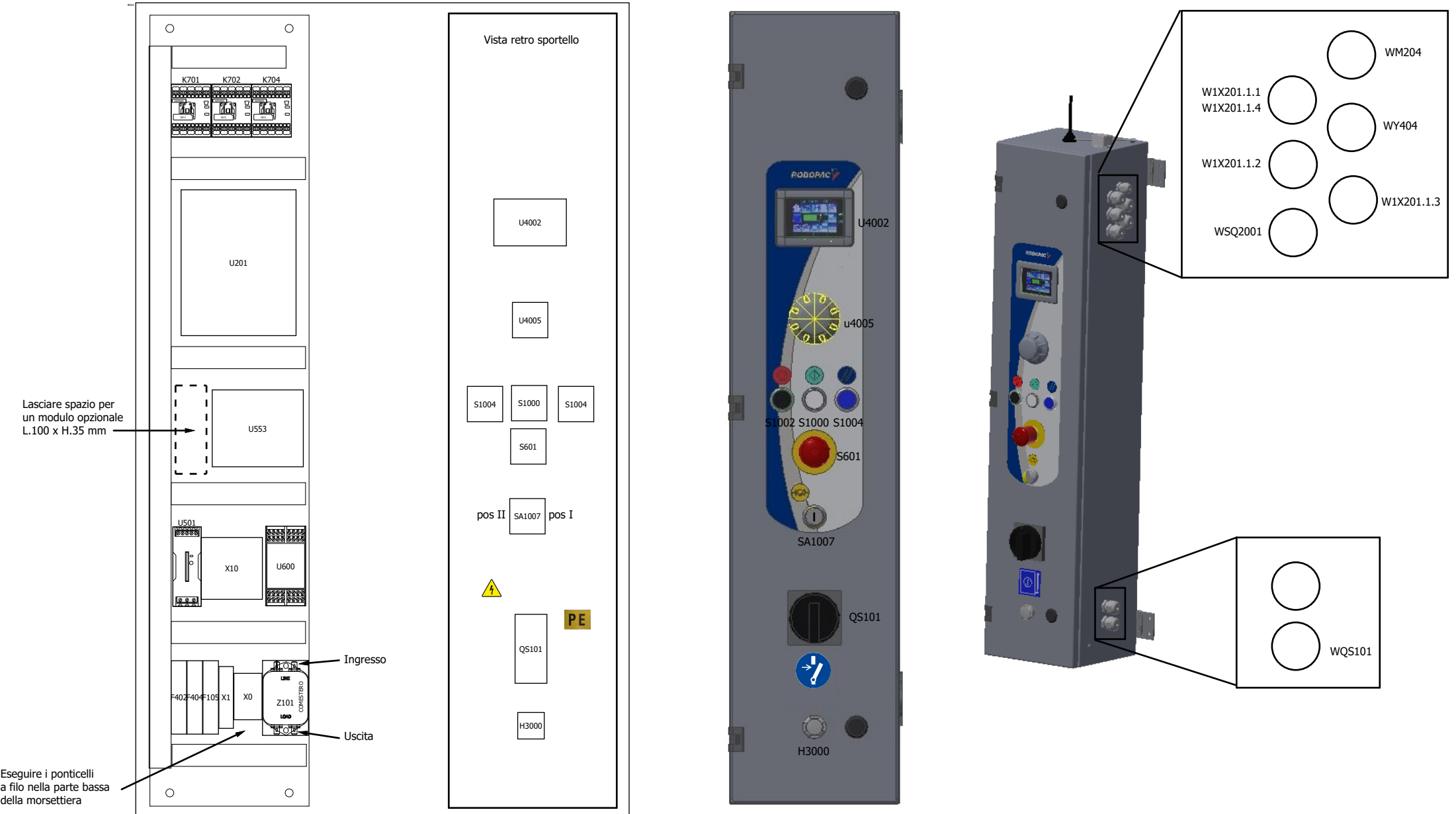
Sensore svolgimento film
Film unwinding sensor

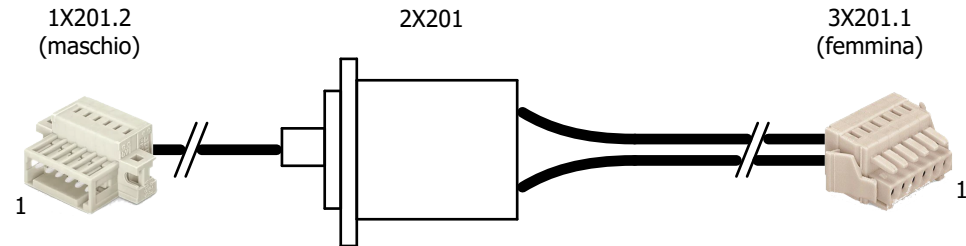
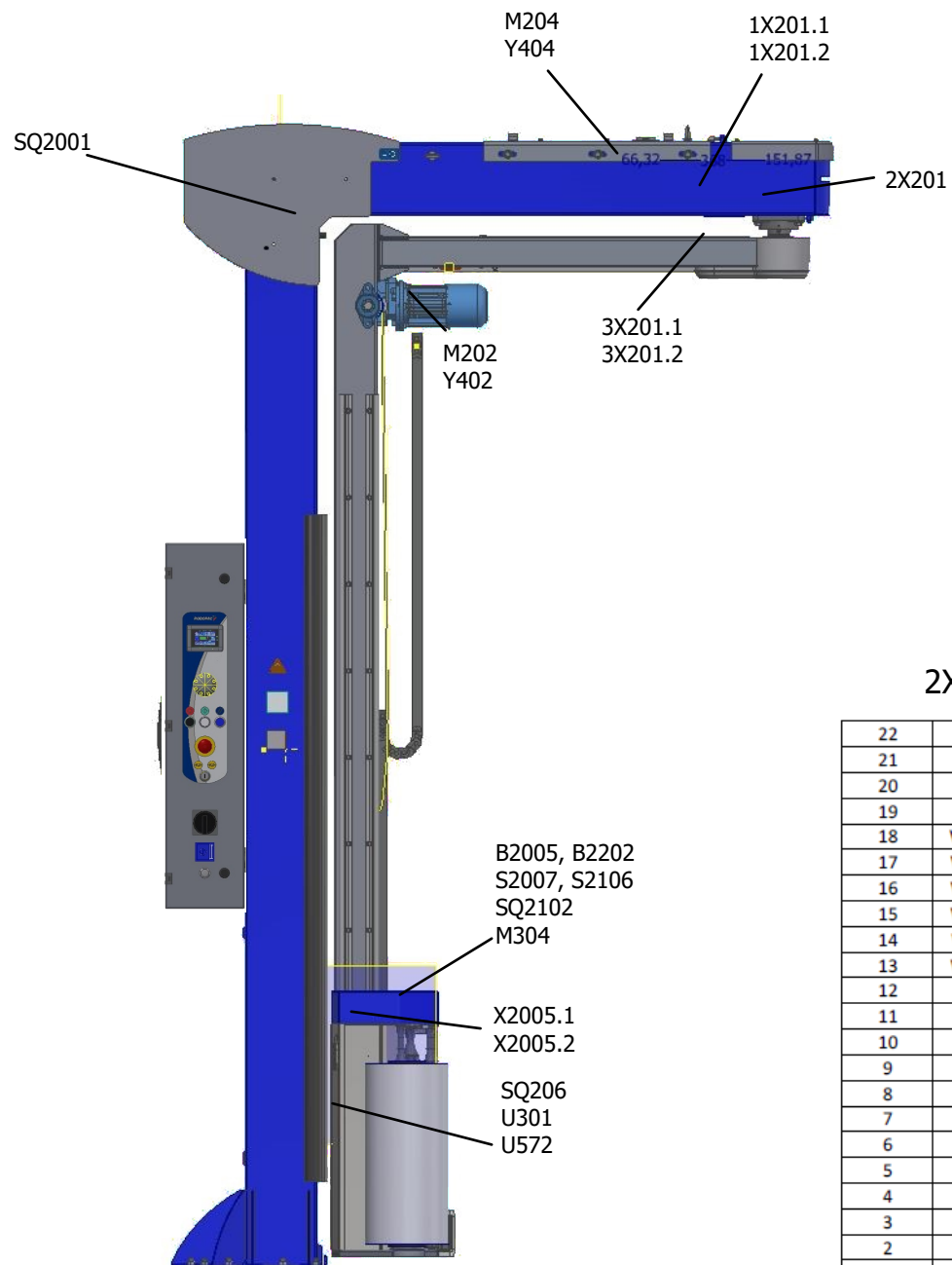
Sensore svolgimento film
Film unwinding sensor

Fotocellula altezza prodotto
Height product photocelle

Cella di carico
Loading cell







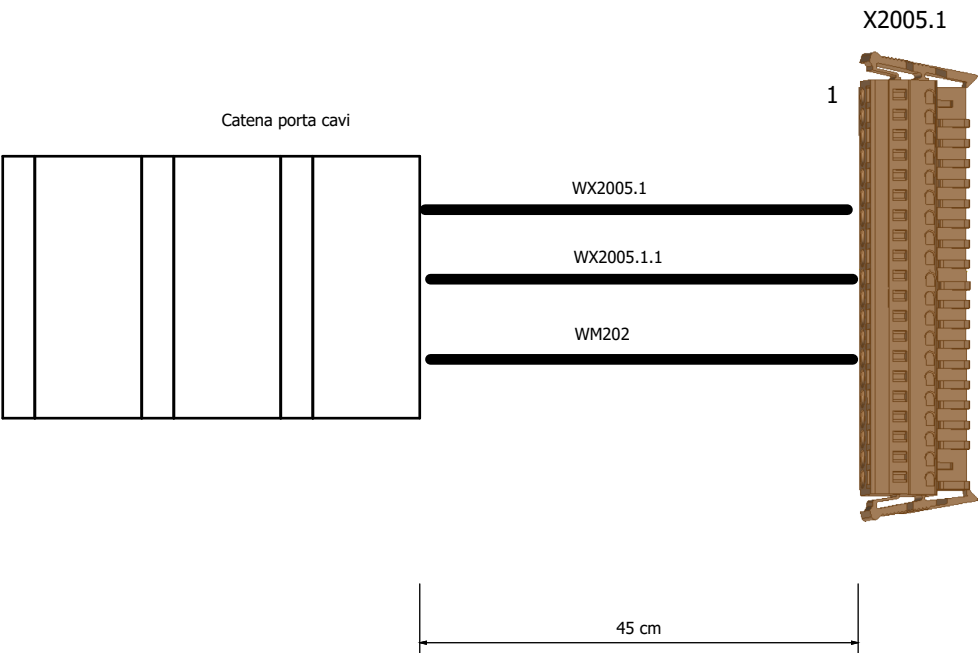
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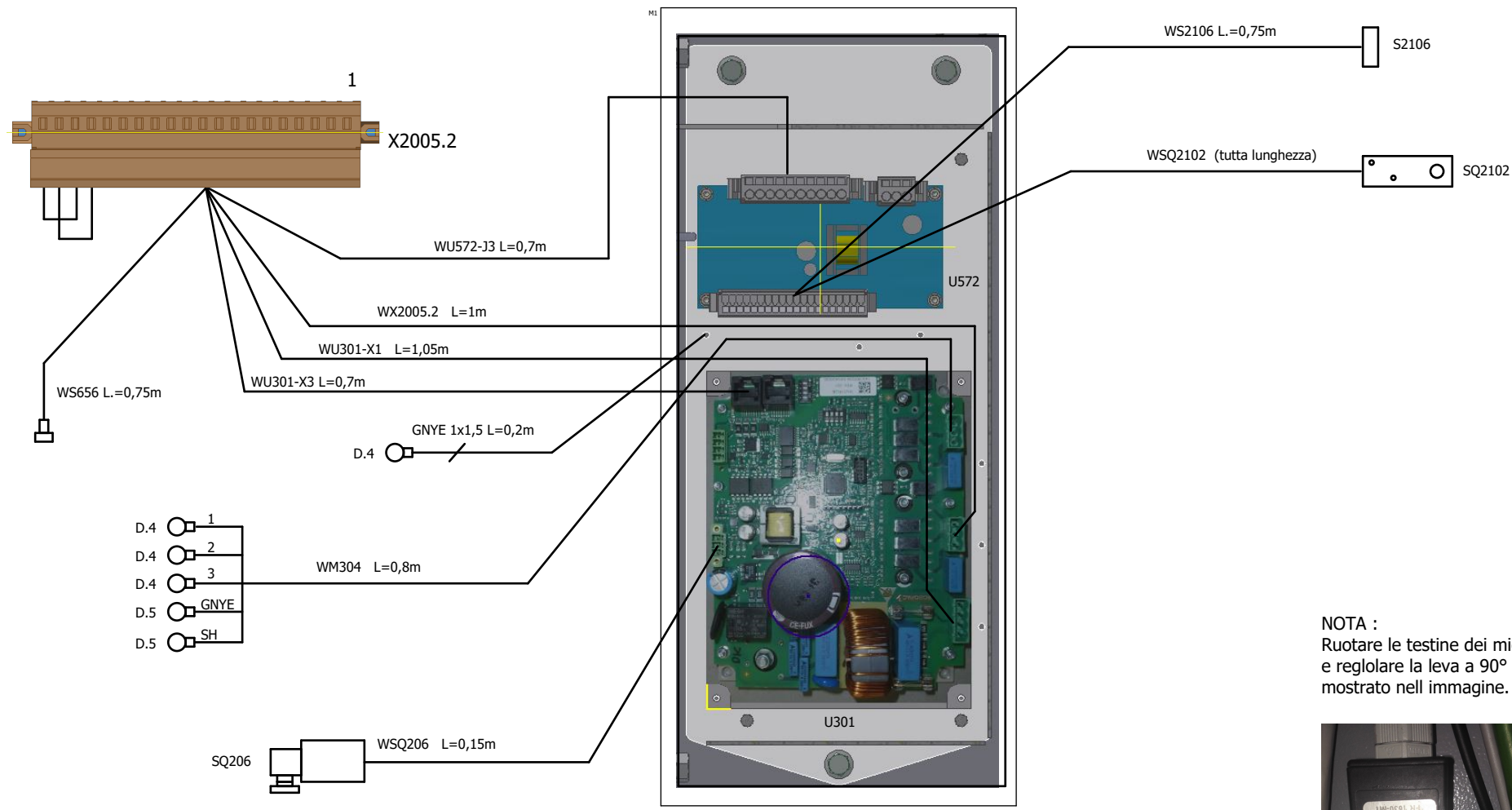
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20	BK	AWG20
19	RD	AWG20
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17	WH-BN	AWG26
16	WH-PU	AWG26
15	WH-BU	AWG26
14	WH-BK	AWG26
13	WH-RD	AWG26
12	KHK	AWG26
11	WH	AWG26
10	OG	AWG26
9	BN	AWG26
8	DBLU	AWG26
7	BU	AWG26
6	BK	AWG26
5	GY	AWG26
4	PU	AWG26
3	YE	AWG26
2	GN	AWG26
1	RD	AWG26

DISTRIBUTORE ELETTRICO 2X201:

Ricoprire i conduttori del distributore elettrico con guaina termorestringente, per una lunghezza di 55cm lato 1X201.2 e per una lunghezza di 65cm lato connettore 3X201.1.
Nel lato della morsettiera 1X201.2 rivestire anche con calza intrecciata per una lunghezza di 20cm e fermare con fascette.
Prestare attenzione al verso di montaggio del distributore: la parte rotante, solidale con la flangia di fissaggio, va cablata dal lato della morsettiera 3X201.1.
Terminare tutti i conduttori da entrambe i lati con puntalini nudi (non isolati).







NOTA :
Ruotare le testine dei micro
e regolare la leva a 90° come
mostrato nell immagine.



Sommario cavi

Cable overview

Cable	Origine	N° Conduttori	Cross-section	Capicorda origine	Spelatura origine (cm)	Lunghezza fuori cassetta (m)	Spelatura destinazione (cm)	Capicorda destinazione	Target	Note
-GND		1	1,5 mm ²	Occhiello D.4		0,2		Occhiello D.4		
-W-1X201.1.1	-K704	3G	1,5 mm ²		10	3,1	15	Occhiello D.4 su GNYE insieme a GND1	-1X201.1	
-W-1X201.1.2	-K702	2	1 mm ²		10	3,1	7		-1X201.1	
-W-1X201.1.3	-X10	10G	1 mm ²		15	3,1	10		-1X201.1	
-W-1X201.1.4	-X10				7	3,1	7		-1X201.1	
-W-M202	-X2005.1	4G	1,0 mm ²		10	3,25	7	1,2,3 - occhielli D.4 GND e SH - occhielli D.5	-M202	In catena porta cavi
-W-M204	-M204	4G	1,5 mm ²	Occhiello D.5 per GND	7	5	10	Occhielli D.4 sulle fasi, occhielli D.5 per GND e SH	-U201;-E204	
-W-QS101	N;PE	3G	2,5 mm ²	Puntalino	15	4	10	Puntalino	-QS101	
-W-S656	-X2005.2	4	0,34 mm ²						-S656	
-W-U201-X3	-X10								-U201	
-W-U301-X1	-X2005.2	3G	1,5 mm ²		7	1,05	7		-U301	
-W-X2005.1.1	-3X201.2	12	0,34+0,5 mm ²	Schermo L=15cm con occhiello D.4	10	3,95	10		-X2005.1	In catena porta cavi
-W-X2005.1.2	-3X201.2	3G	1,5 mm ²	Occhiello D.4 su GNYE insieme a GND2	15 cm	3,95	10 cm		-X2005.1	In catena portacavi
-W-Y402	-3X201.2	2	1 mm ²		7	1,6	7	Puntalini	-Y402	
-W-Y404	-K701	2	1 mm ²		10	5	7	Puntalino	-Y404	



Description

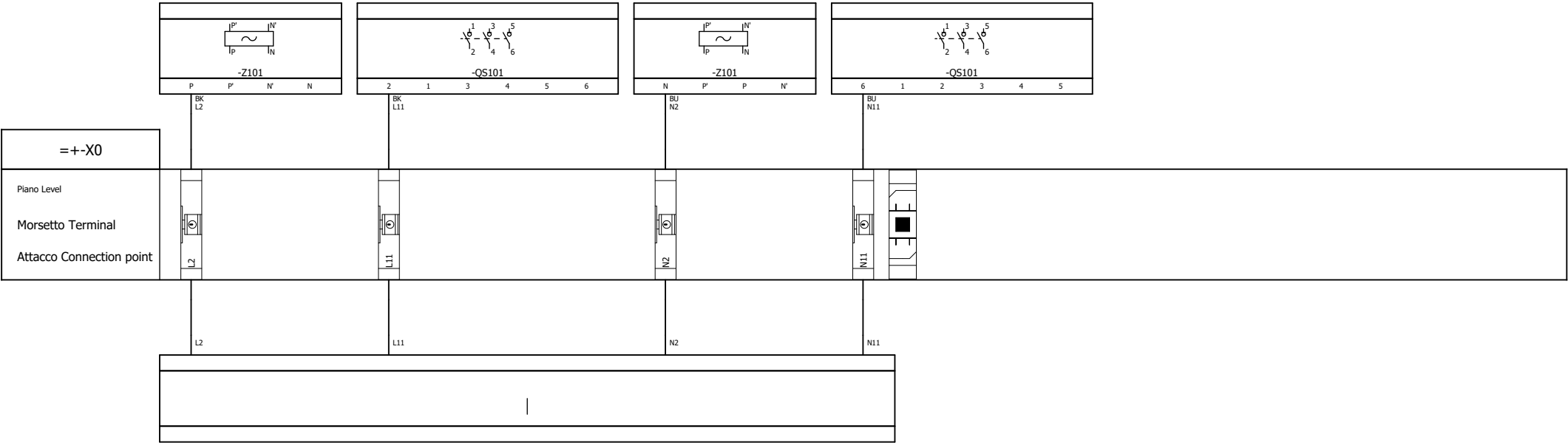
Sommario cavi
Cable overview

Schema allacciamento morsetti

Terminal-connection diagram

Destinazioni interne

Internal targets



Destinazioni esterne

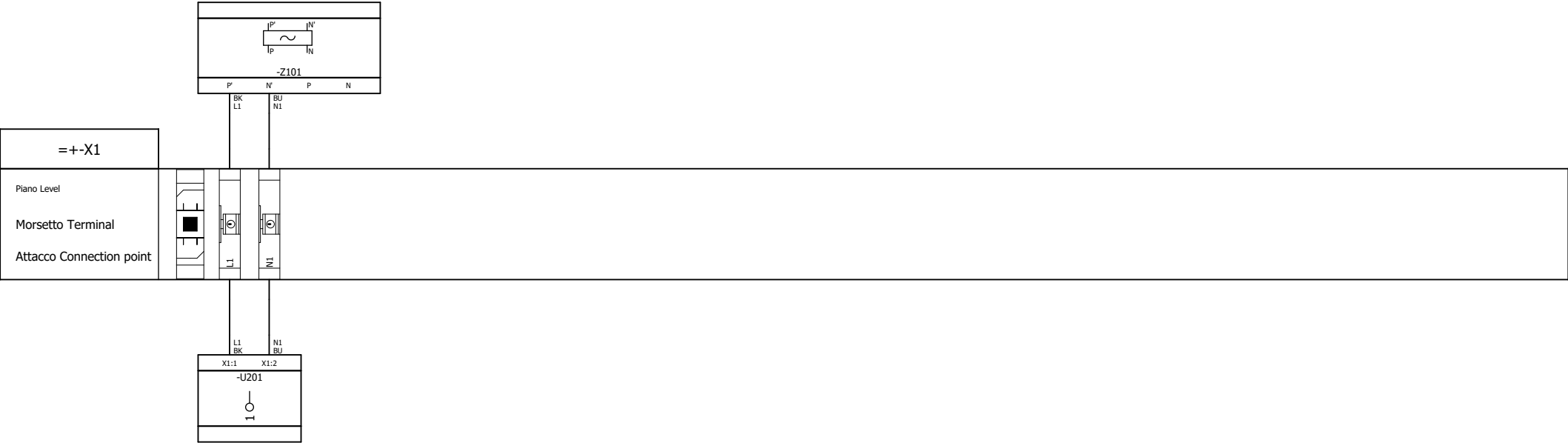
External targets

Schema allacciamento morsetti

Terminal-connection diagram

Destinazioni interne

Internal targets

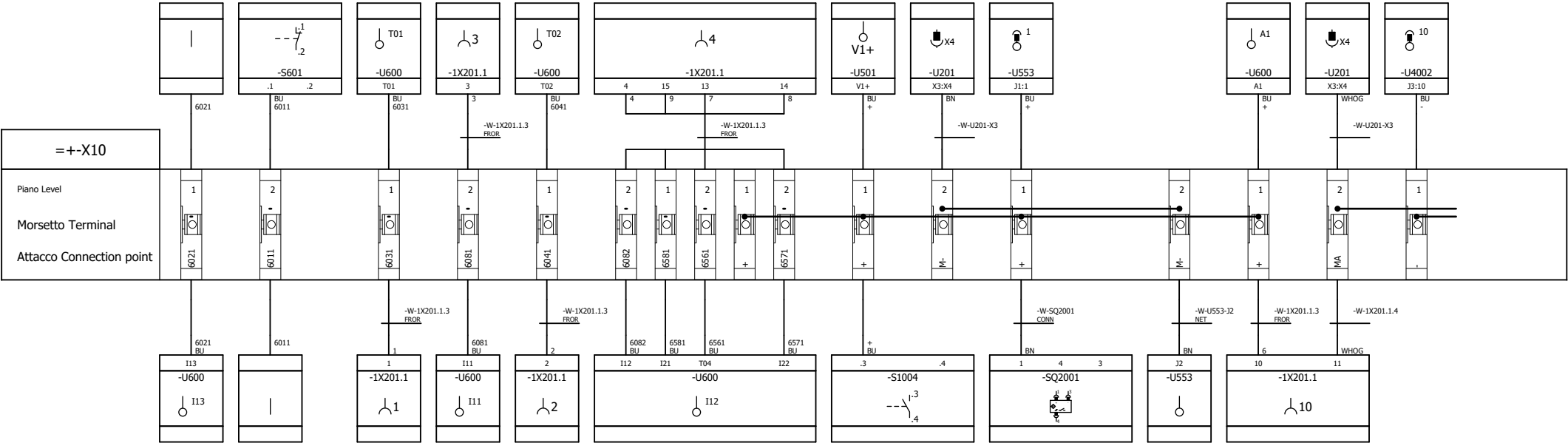


Destinazioni esterne

External targets

Schema allacciamento morsetti
Terminal-connection diagram

Destinazioni interne
Internal targets



Destinazioni esterne
External targets

Pulsante Arresto Emergenza
Push-Button Emergency Stop

=

Pulsante Arresto Emergenza
Push-Button Emergency Stop

Sicurezza carrello
Carriage safety

Bordo sensibile
Sensing edge

Sicurezza carrello
Carriage safety

Riserva
Spare

Micro carter carrello
Carriage door microswitch

Motore rotazione
Rotation motor

Motore rotazione
Rotation motor

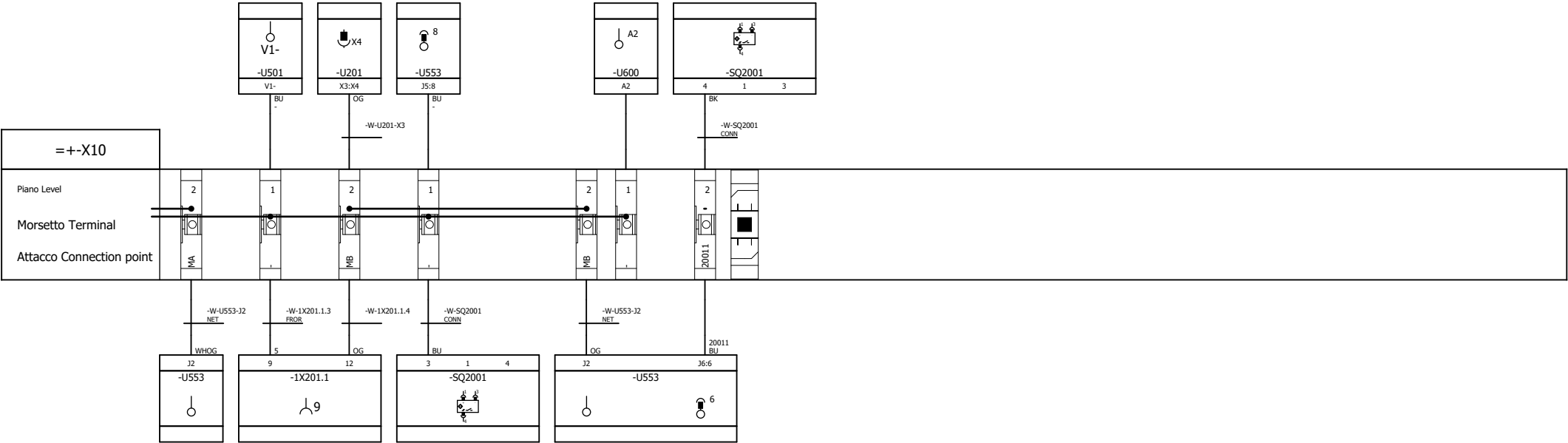
Motore rotazione
Rotation motor

Schema allacciamento morsetti

Terminal-connection diagram

Destinazioni interne

Internal targets



Destinazioni esterne

External targets

Motore rotazione

Rotation motor

Motore rotazione

Rotation motor

Motore rotazione

Rotation motor

Fase tavola

Table Phase



Destinazioni esterne External targets



Schema allacciamento connettori

Pin-connection diagram

Internal targets

= +-X42



Connection point



External targets

Schema allacciamento connettori

Pin-connection diagram

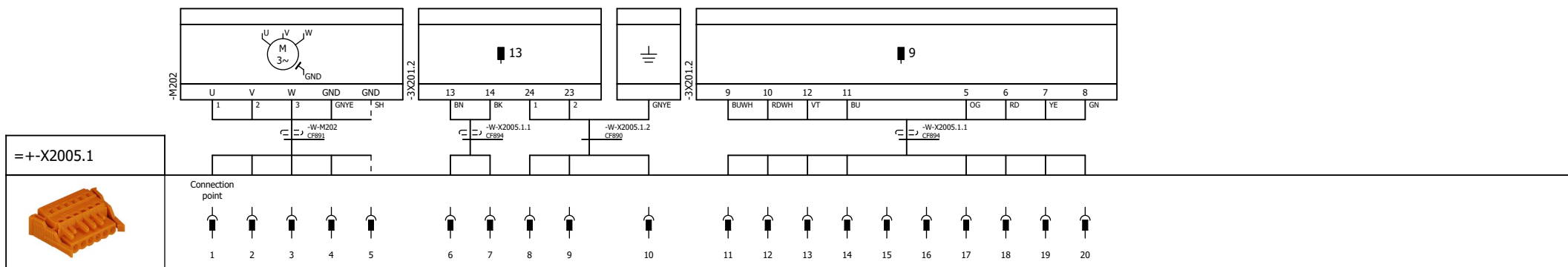
Internal targets



External targets

Taglio film
Film cut
|| || ||

External targets

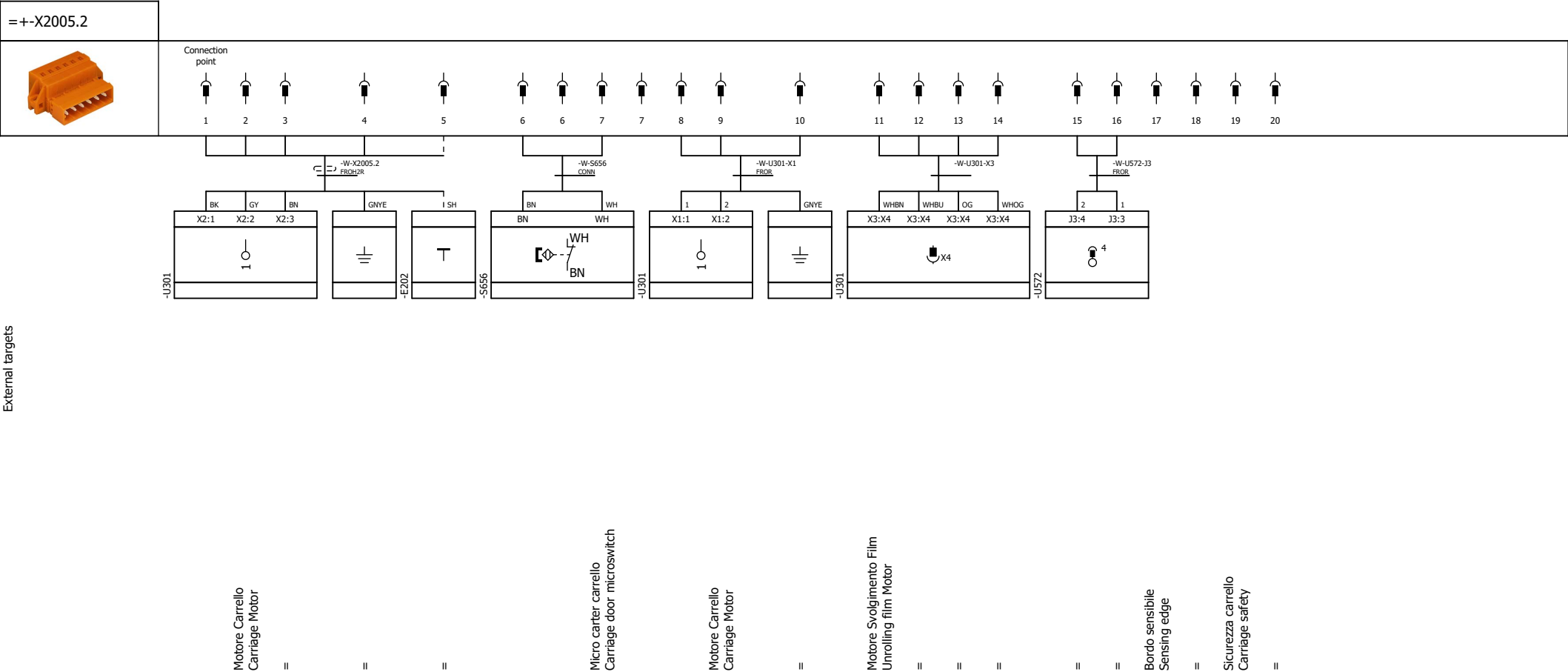


Description	Code					Date		Total	Prev	Next	Page
	Machine										

Schema allacciamento connettori

Pin-connection diagram

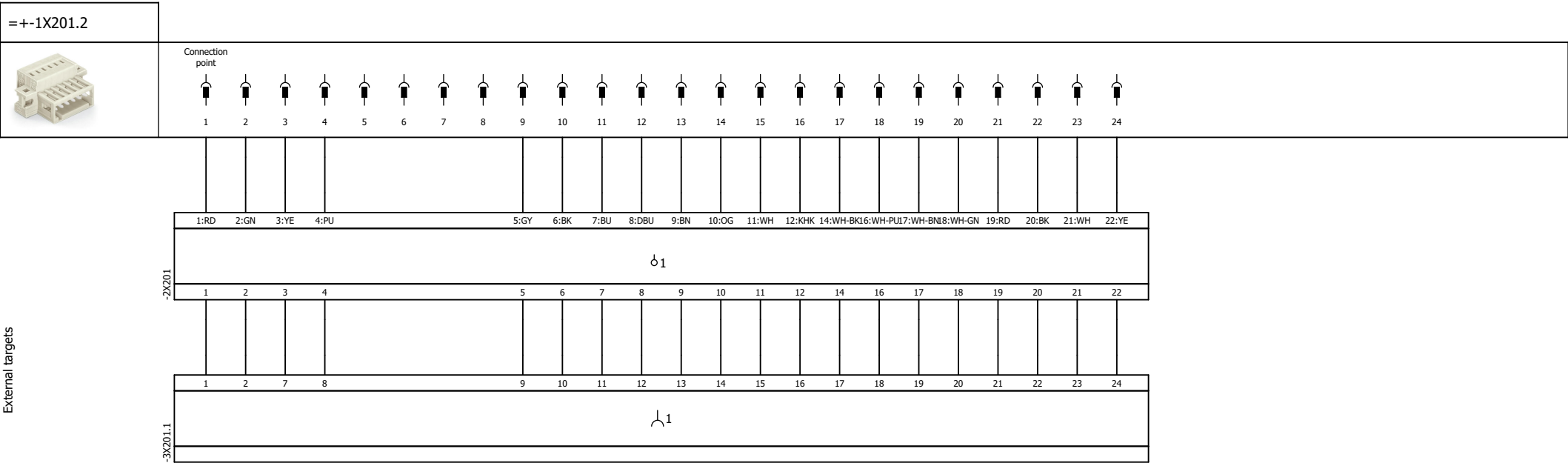
Internal targets



Schema allacciamento connettori

Pin-connection diagram

Internal targets



External targets

- Pulsante Arresto Emergenza

Push-Button Emergency Stop
- Bordo sensibile

Sensing edge
- Sicurezza carrello

Carriage safety
- ||
- Motore rotazione

Rotation motor
- ||
- Micro carter carrello

Carriage door microswitch
- Riserva

Spare
- Freno Motore Carrello

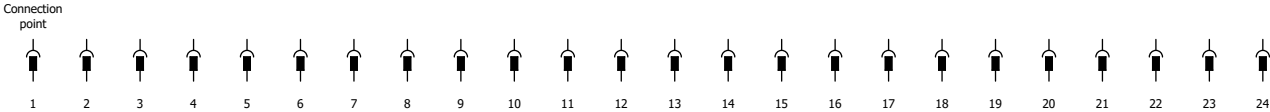
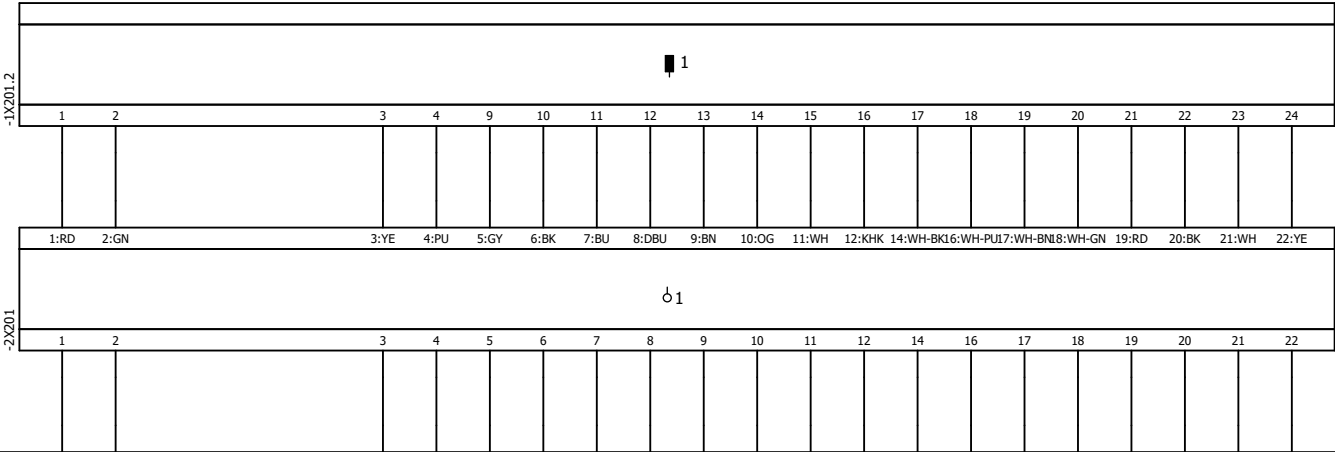
Carriage Motor Brake

Schema allacciamento connettori

Pin-connection diagram

Internal targets

=+-3X201.1



External targets

Pulsante Arresto Emergenza
Push-Button Emergency Stop

Bordo sensibile
Sensing edge

||

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||

||

Sicurezza carrello
Carriage safety

||

Motore rotazione
Rotation motor

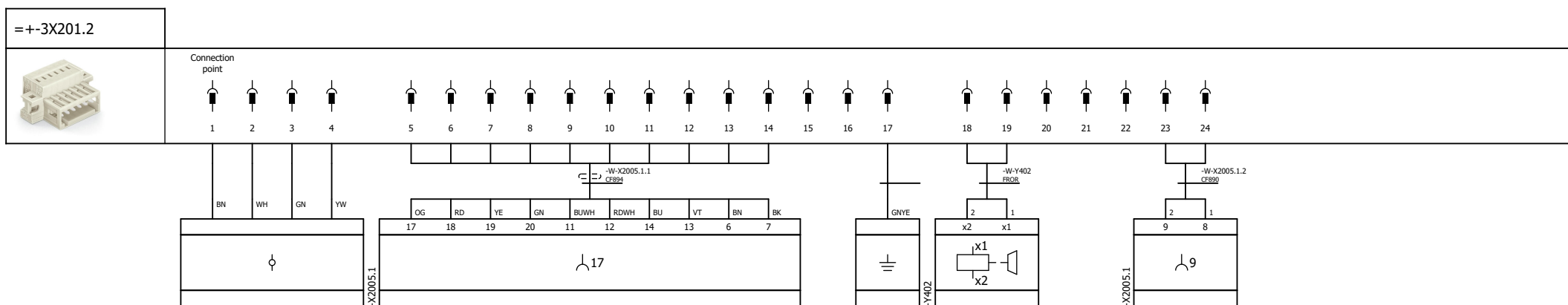
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Micro carter carrello
Carriage door microswitch

Riserva
Spare

Freno Motore Carrello
Carriage Motor Brake

External targets



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11

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11

11

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Risks
Spa