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 47892 Gualdicciolo  
 Tel +378 0549 910511 Fax +378 0549 908549  
 Repubblica di San Marino

Modello Macchina  
 Machine Model  
 Maschine Modell  
 Modele de la Machine  
 Modelo Maquina

**Robot S7 P3GS/PVS**

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

**100-240V      50 Hz / 60 Hz**  
**1 Ph + N**

Potenza Installata  
 Installed Power  
 Installierte Leistung  
 Puissance installée  
 Potencia Instalada

**kW**  
**Page 3**

Corrente Assorbita  
 Absorbed Current  
 Stromaufnahme  
 Absorption Electrique  
 Absorcion

**A**  
**Page 3**

**For Robopac Use Only**

Control cabinet code

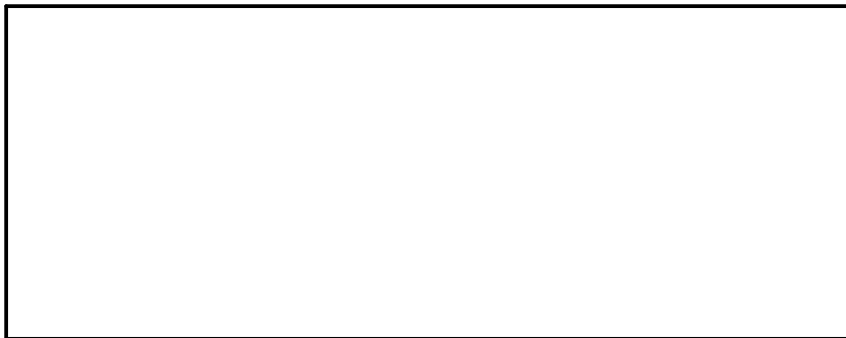
**7450306899**

Revision index

**R0**

Bill number

**03318**



Costruire secondo specifica tecnica 50.1.1  
 Controllare con scheda di collaudo

3709306951\_PVS

Edited by

**Savioli V.**

Checked by

**Casale C.**

Approved by

**Casale C.**



Description

**Copertina  
 Cover sheet**

Code

**3709306951ENG**

Date

**02/06/2021**

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Machine

**Robot S7 P3GS/PVS**

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		2	Sommario delle pagine : /1 - /30 Table of contents : /1 - /30		02/06/2021	vsavioli
		2.1	Sommario delle pagine : /35 - /400 Table of contents : /35 - /400		02/06/2021	vsavioli
		2.2	Sommario delle pagine : /590 - /679 Table of contents : /590 - /679		02/06/2021	vsavioli
		2.3	Sommario delle pagine : /680 - /698 Table of contents : /680 - /698		02/06/2021	vsavioli
		2.4	Sommario delle pagine : /699 - /710 Table of contents : /699 - /710		02/06/2021	vsavioli
		3	Potenza Power		28/05/2021	vsavioli
		4	Targhetta quadro elettrico Plate control cabinet		28/05/2021	vsavioli
		5	Distinta articoli Parts list		02/06/2021	vsavioli
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		10	Alimentazione Power supply		02/06/2021	vsavioli
		15	Alimentazione Power supply		02/06/2021	vsavioli
		20	Motore trazione Traction motor		28/05/2021	vsavioli
		25	Motore carrello salita/discesa Carriage motor upstroke/downstroke		28/05/2021	vsavioli
		30	Motore svolgimento film Unrolling film motor		28/05/2021	vsavioli

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		35	Motore Prestiro Prestretch motor		02/06/2021	vsavioli
		40	Cordonatore Roping device		02/06/2021	vsavioli
		50	PLC Plc		02/06/2021	vsavioli
		55	Scheda Card		28/05/2021	vsavioli
		60	Circuito emergenza Emergency circuit		02/06/2021	vsavioli
		80	Circuito di potenza Power circuit		02/06/2021	vsavioli
		100	Ingressi Inputs		28/05/2021	vsavioli
		200	Ingressi Inputs		28/05/2021	vsavioli
		210	Ingressi Inputs		28/05/2021	vsavioli
		215	Ingressi Inputs		28/05/2021	vsavioli
		220	Ingressi Inputs		02/06/2021	vsavioli
		230	Ingressi Inputs		02/06/2021	vsavioli
		300	Uscite Outputs		02/06/2021	vsavioli
		310	Uscite Outputs		02/06/2021	vsavioli
		320	Uscite Outputs		28/05/2021	vsavioli
		400	Pannello Operatore Operator panel		28/05/2021	vsavioli

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		590	Sistema BUS Bus system		28/05/2021	vsavioli
		600	Layout armadio elettrico Panel layout		02/06/2021	vsavioli
		605	Layout armadio elettrico Panel layout		28/05/2021	vsavioli
		610	Layout Layout		28/05/2021	vsavioli
		620	Scheda PLC Plc card		28/05/2021	vsavioli
		630	Scheda PLC Plc card		28/05/2021	vsavioli
		670	Layout Layout		28/05/2021	vsavioli
		671	Sommario cavi Cable overview		02/06/2021	vsavioli
		672	Morsettiera di potenza Power terminal strip		02/06/2021	vsavioli
		673	Morsettiera di potenza Power terminalboard		02/06/2021	vsavioli
		674	Morsettiera ausiliari Aux terminal strip		02/06/2021	vsavioli
		675	Morsettiera ausiliari Aux terminal strip		02/06/2021	vsavioli
		676	Morsettiera ausiliari Aux terminal strip		02/06/2021	vsavioli
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		680	Schema sequenza morsetti =+-X8.1 Terminal line-up diagram =+-X8.1		02/06/2021	vsavioli
		681	Schema sequenza morsetti =+-X10.1 Terminal line-up diagram =+-X10.1		02/06/2021	vsavioli
		682	Schema sequenza morsetti =+-X20.1 Terminal line-up diagram =+-X20.1		02/06/2021	vsavioli
		683	Schema sequenza morsetti =+-X30.1 Terminal line-up diagram =+-X30.1		02/06/2021	vsavioli
		684	Schema sequenza morsetti =+-X31.1 Terminal line-up diagram =+-X31.1		02/06/2021	vsavioli
		687	Connettore batteria Battery connecotr		02/06/2021	vsavioli
		688	Connettore batteria Battery connecotr		02/06/2021	vsavioli
		689	Connettore pannello comandi Control panel connector		02/06/2021	vsavioli
		690	Connettore motore rotazione Rotation motor connector		02/06/2021	vsavioli
		691	Connettore motore sollevamento Lifting motor connector		02/06/2021	vsavioli
		692	Connettore led Strip led connector		02/06/2021	vsavioli
		693	Connettore carrello Carriage connector		02/06/2021	vsavioli
		694			02/06/2021	vsavioli
		695	Manuale avanti Forward manual		02/06/2021	vsavioli
		696	Manuale avanti Forward manual		02/06/2021	vsavioli
		697	Manuale indietro Backward manual		02/06/2021	vsavioli
		698	Carica Batteria Battery charger		02/06/2021	vsavioli

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		699	Connettore carrello Carriage connector		02/06/2021	vsavioli
		700	Luce blu Blue light		02/06/2021	vsavioli
		701	Luce blu Blue light		02/06/2021	vsavioli
		702	Connettore led Strip led connector		02/06/2021	vsavioli
		703	Connettore led Strip led connector		02/06/2021	vsavioli
		704			02/06/2021	vsavioli
		705	Cordonatore Roping device		02/06/2021	vsavioli
		706	Cordonatore Roping device		02/06/2021	vsavioli
		707	Finecorsa alto High Limit switch		02/06/2021	vsavioli
		708	Connettore carrello Carriage connector		02/06/2021	vsavioli
		709	Motore svolgimento film Unrolling film motor		02/06/2021	vsavioli
		710	Motore Prestiro Prestretch motor		02/06/2021	vsavioli

Battery charger	NE 284	NE 328
V	100/240	100/240
kW	0,5	0,8
A	5/2	8/3,3



Description

Potenza  
Power

Code 3709306951ENG

Date 02/06/2021


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Machine Robot S7 P3GS/PVS

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# Distinta articoli

## Parts list

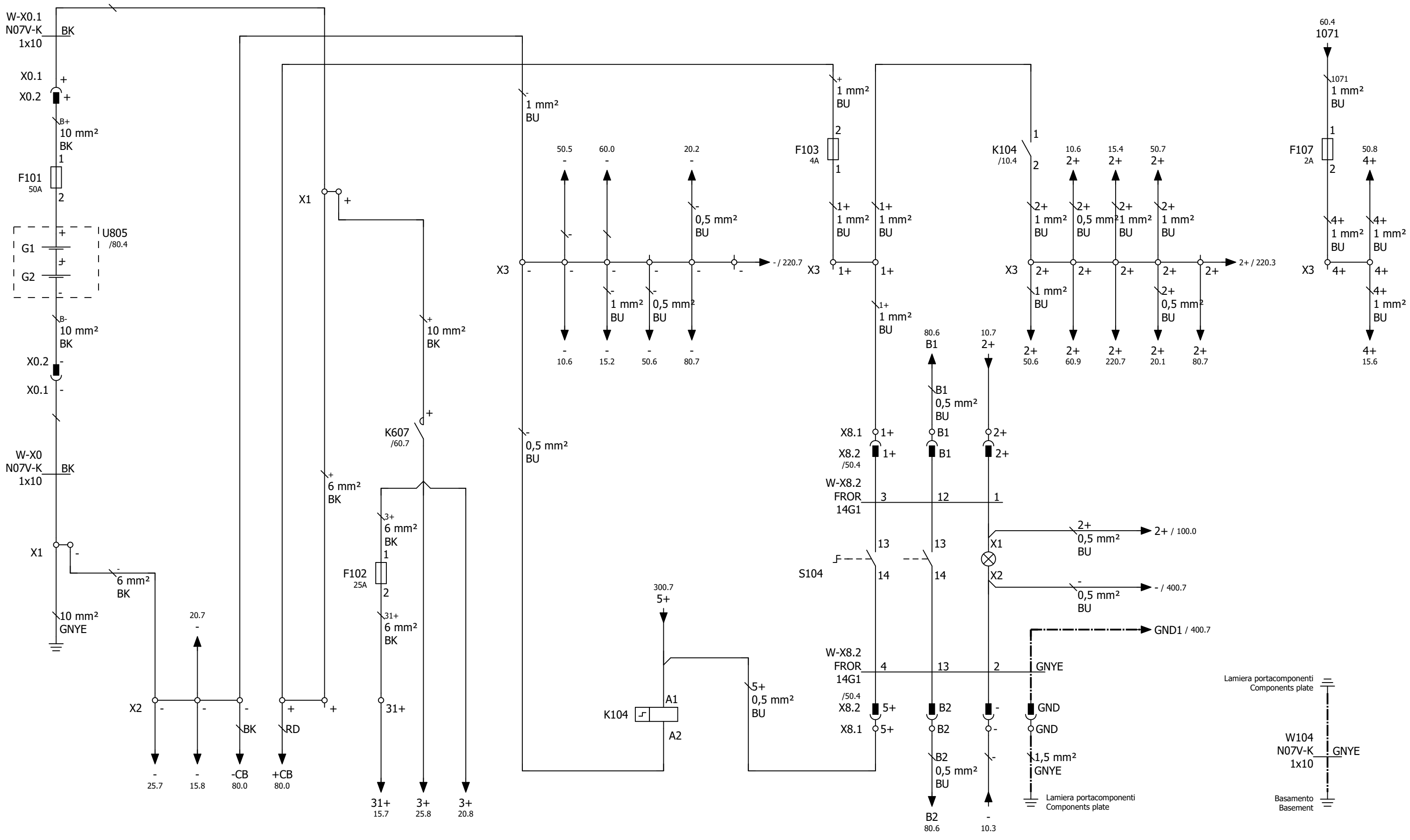
DT	Designazione Designation	Numero tipo Type number	Produttore Manufacturer	Quantità Quantity	Codice Code	Pagina Page
X0.2	Connettore 2P 50A Connector 2P 50A	6331G1-BK	Anderson Power Products	1	00L0026523A	/10.0
X0.2	Maniglia Handle	995G50-BK	Anderson Power Products	1	00L0026524C	/10.0
X0.1	Connettore 2P 50A Connector 2P 50A	6331G1-BK	Anderson Power Products	1	00L0026523A	/10.0
F102	Fusibile Cilindrico 10,3x38 GG 25A 500VAC Cylindrical Fuse 10,3x38 GG 25A 500VAC	10,3x38 GG 25A 500VAC		1	0001304234	/10.2
F102	Base per fusibile 10,3 X 38 Base for fuse 10,3 x 38	10,3X38 1P		1	0001352427E	/10.2
K104	Relé ad impulso, 2contatti NO 16A,24Vdc Modular step relay, double phase switch 2	20.22.9.024.0000	Finder	1	0001304323E	/10.4
F103	Fusibile Cilindrico 5x20 4A Ritardato Cylindrical Fuse 5x20 4A T	5x20 RIT 4A 500VAC		1	0001304080H	/10.5
F103	Morsetto portafusibile Terminal block for fuse	2002-1611	Wago	1	00L0074329H	/10.5
S104	Supporto per contatti Fixing adapter	M22-A	Eaton Moeller	1	0001300700A	/10.5
S104	Elementi di contatto, 1NA, Fissaggio frontale, Cage clamp Contact element, 1N/O, Front fixing, Cage clamp	M22-CK10	Eaton Moeller	2	0001300024F	/10.5
S104	Elementi LED, bianco, Fissaggio frontale, Cage clamp LED element, white, Front fixing, Cage clamp	M22-CLED-W	Eaton Moeller	1	0001300926A	/10.5
F107	Fusibile Cilindrico 5x20 2A Rapido Cylindrical Fuse 5x20 2A Fast	5x20 RAP 2A 250VAC		1	0001304031	/10.9
F107	Morsetto portafusibile Terminal block for fuse	2002-1611	Wago	1	00L0074329H	/10.9
W-X2005.1.1	Cavo sistema di misura   iguPUR   chainflex® CF894 (4x(2x0,34)+4x0,5)C Cable	CF894.011	IGUS	5,5	00L0502344	/15.1
W-X2005.1.2	Cavo   iguPUR   chainflex® CF891 (4G1,5)C	CF891.15.04	IGUS	5,5	00L0562992	/15.7
W-A201-X1	Cavo M12 Canopen Fem 2,0m	M12 CANOPEN FEM PF 2,0M	AS Connection Systems	4,9	00L0644270	/20.1
F208	Fusibile Cilindrico 10,3x38 GG 32A 500VAC Cylindrical Fuse 10,3x38 GG 32A 500VAC	10,3x38 GG 32A 500VAC		1	0001304238	/20.8
F208	Base per fusibile 10,3 X 38 Base for fuse 10,3 x 38	10,3X38 1P		1	0001352427E	/20.8
W-A251-X1	Cavo M12 Canopen Fem 5,0m	M12 CANOPEN FEM PF 5,0M	AS Connection Systems	1	00L0644269	/25.1
F258	Fusibile Cilindrico 10,3x38 GG 32A 500VAC Cylindrical Fuse 10,3x38 GG 32A 500VAC	10,3x38 GG 32A 500VAC		1	0001304238	/25.8
F258	Base per fusibile 10,3 X 38 Base for fuse 10,3 x 38	10,3X38 1P		1	0001352427E	/25.8
A301	Azionamento Operating element	7BL00045	TIALSEA	1	00L0639095	/30.1
W-XG303	Cavo M12 5Poli Fem 0° Sch 2,0m	M12 5P FEM SCH P.MOB. 2,0M		1	00L0611239	/30.3
W-M306	Cavo   iguPUR   chainflex® CF891 (4G1,5)C	CF891.15.04	IGUS	0,95	00L0562992	/30.6
F308	Fusibile Cilindrico 10,3x38 GG 25A 500VAC Cylindrical Fuse 10,3x38 GG 25A 500VAC	10,3x38 GG 25A 500VAC		1	0001304234	/30.8
F308	Base per fusibile 10,3 X 38 Base for fuse 10,3 x 38	10,3X38 1P		1	0001352427E	/30.8
A351	Azionamento Operating element	7BL00045	TIALSEA	1	00L0639095	/35.1
W-XG353	Cavo M12 5Poli Fem 0° Sch 2,0m	M12 5P FEM SCH P.MOB. 2,0M		1	00L0611239	/35.3
W-M356	Cavo   iguPUR   chainflex® CF891 (4G1,5)C	CF891.15.04	IGUS	1,5	00L0562992	/35.6
F358	Fusibile Cilindrico 10,3x38 GG 25A 500VAC Cylindrical Fuse 10,3x38 GG 25A 500VAC	10,3x38 GG 25A 500VAC		1	0001304234	/35.8
F358	Base per fusibile 10,3 X 38 Base for fuse 10,3 x 38	10,3X38 1P		1	0001352427E	/35.8
A401	Azionamento Operating element	7BL00045	TIALSEA	1	00L0639095	/40.1
X403.2	Connettore maschio Male connector	231-638/019-000	Wago	1	0001351467H	/40.3
W0406	Cavo   iguPUR   chainflex® CF891 (4G1,5)C	CF891.15.04	IGUS	1,5	00L0562992	/40.6
F0408	Fusibile Cilindrico 10,3x38 GG 25A 500VAC Cylindrical Fuse 10,3x38 GG 25A 500VAC	10,3x38 GG 25A 500VAC		1	0001304234	/40.8
F0408	Base per fusibile 10,3 X 38 Base for fuse 10,3 x 38	10,3X38 1P		1	0001352427E	/40.8
U500	Logica Programmabile PLC	PLC04ROB	Robopac	1	1430300321	/50.0
U550	Logica Programmabile PLC	PLC04ROB	Robopac	1	1430300321	/55.0

# Distinta articoli

## Parts list

DT	Designazione Designation	Numero tipo Type number	Produttore Manufacturer	Quantità Quantity	Codice Code	Pagina Page
K605	Relè sicurezza, 2 poli, 8 A, 24Vdc	48.12.9.024.5007	Finder	1	00L0606220	/60.5
W-S607	Cavo M12 4Poli Fem 5,0m Cable m12 4poli fem 5,0m	M12 4P FEM 5,0M		1	0001313474	/60.7
S607	Finecorsa a cerniera Hinge Limit switch	HP-AA052D-KAM	Pizzato	1	0202300007	/60.7
K607	Contattore per trazione elettrica Contactor	ETL20PA2	Ravioli	1	0470300003	/60.7
X806	Connettore maschio Male connector	231-604	Wago	1	0001351430L	/80.7
W-X806	Connettore femmina Female connector	231-104/037-000	Wago	1	0001351429H	/80.7
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
S1004	Pulsante, piatto, blu, ad impulso Pushbutton actuator, flush, blue, spring return	M22-D-B	Eaton Moeller	1	0001300696B	/100.4
S1004	Supporto per contatti Fixing adapter	M22-A	Eaton Moeller	1	0001300700A	/100.4
S1004	Elementi di contatto, 1NA, Fissaggio frontale, Cage clamp Contact element, 1N/O, Front fixing, Cage clamp	M22-CK10	Eaton Moeller	2	0001300024F	/100.4
S1005	Pulsanti per arresto d'emergenza, Sblocco a rotazione Emergency-Stop actuator, non-illuminated, turn to release	M22-PVT	Eaton Moeller	1	0001300005F	/100.5
S1005	Supporto per contatti Fixing adapter	M22-A	Eaton Moeller	1	0001300700A	/100.5
S1005	Elementi di contatto, 1NA, Fissaggio frontale, Cage clamp Contact element, 1N/O, Front fixing, Cage clamp	M22-CK10	Eaton Moeller	1	0001300024F	/100.5
S1005	Elementi di contatto, 1NC, Fissaggio frontale, Cage clamp Contact element, 1N/C, Front fixing, Cage clamp	M22-CK01	Eaton Moeller	1	0001300027C	/100.5
SQ2002	Finecorsa Limit switch	FR-1630-M1	Pizzato	1	0001309638L	/200.2
X2005.2	Connettore maschio Male connector	231-646/019-000	Wago	1	0001351460C	/200.3
X2005.1	Connettore femmina Female connector	231-316/037-000	Wago	1	0001351462G	/200.3
B2005	Fotocellula Light barrier	S6-5-C200	Datalogic	1	0001310154D	/200.5
B2007	Sensore induttivo, M12 PNP NO, uscita cavo Proximity switch, M12 PNP NO	AM6/AP-2A 2M		1	0001349497H	/200.7
SQ2102	Cella di carico Load cell	FFL 2K 0250AF	Nbc Elettronica	1	0204300004	/210.2
S2106	Pulsante, piatto, nero, ad impulso Pushbutton actuator, flush, black, spring-return	M22-D-S	Eaton Moeller	1	0001300762B	/210.6
S2106	Supporto per contatti Fixing adapter	M22-A	Eaton Moeller	1	0001300700A	/210.6
S2108	Finecorsa Limit switch	FR-530-M1	Pizzato	1	0001309694	/210.8
W-B2151	Cavo M12 4Poli Fem 2,0m	M12 4P FEM 2,0M		1	xxxxxxxxxxxx	/215.1
B2151	Sensore induttivo, M12 PNP NO Proximity switch, m12 pnp no	AM6/AP-2H		1	0202300001	/215.1
W-B2152	Cavo M12 4Poli Fem 2,0m	M12 4P FEM 2,0M		1	xxxxxxxxxxxx	/215.2
B2152	Sensore induttivo, M12 PNP NO Proximity switch, m12 pnp no	AM6/AP-2H		1	0202300001	/215.2
S2204	Pulsante completo 1 NO, piatto, d=19, ad impulso Pushbutton actuator, flush, 1NO	CS-AV19H-T10	Comestero Sistemi	1	0620300010	/220.4
S2205	Pulsante completo 1 NO, piatto, d=19, ad impulso Pushbutton actuator, flush, 1NO	CS-AV19H-T10	Comestero Sistemi	1	0620300010	/220.5
SQ2207	Sensore induttivo, M12 PNP NO, uscita cavo Proximity switch, M12 PNP NO	AM6/AP-2A 2M		1	0001349497H	/220.7
W-G2301	Cavo M12 4Poli Fem 5,0m Cable m12 4poli fem 5,0m	M12 4P FEM 5,0M		1	0001313474	/230.0
G2301	Encoder	EN41-S06-036-M12	Datalogic	1	0232300003	/230.1
H3000	Buzzer Buzzer	50.204003	Elektrosistem	1	0530300000	/300.0
X3104.1	Connettore femmina Female connector	231-102/037-000	Wago	1	0001351427D	/310.3
X3104.2	Connettore maschio Male connector	231-602	Wago	1	0001351428F	/310.3
H3108	Segnalatore luminoso, montaggio superficiale Industrial Round Beacon, Surface	INDIGO	SIR	1	00L0265116	/310.5





Batteria  
Battery

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3 - 4



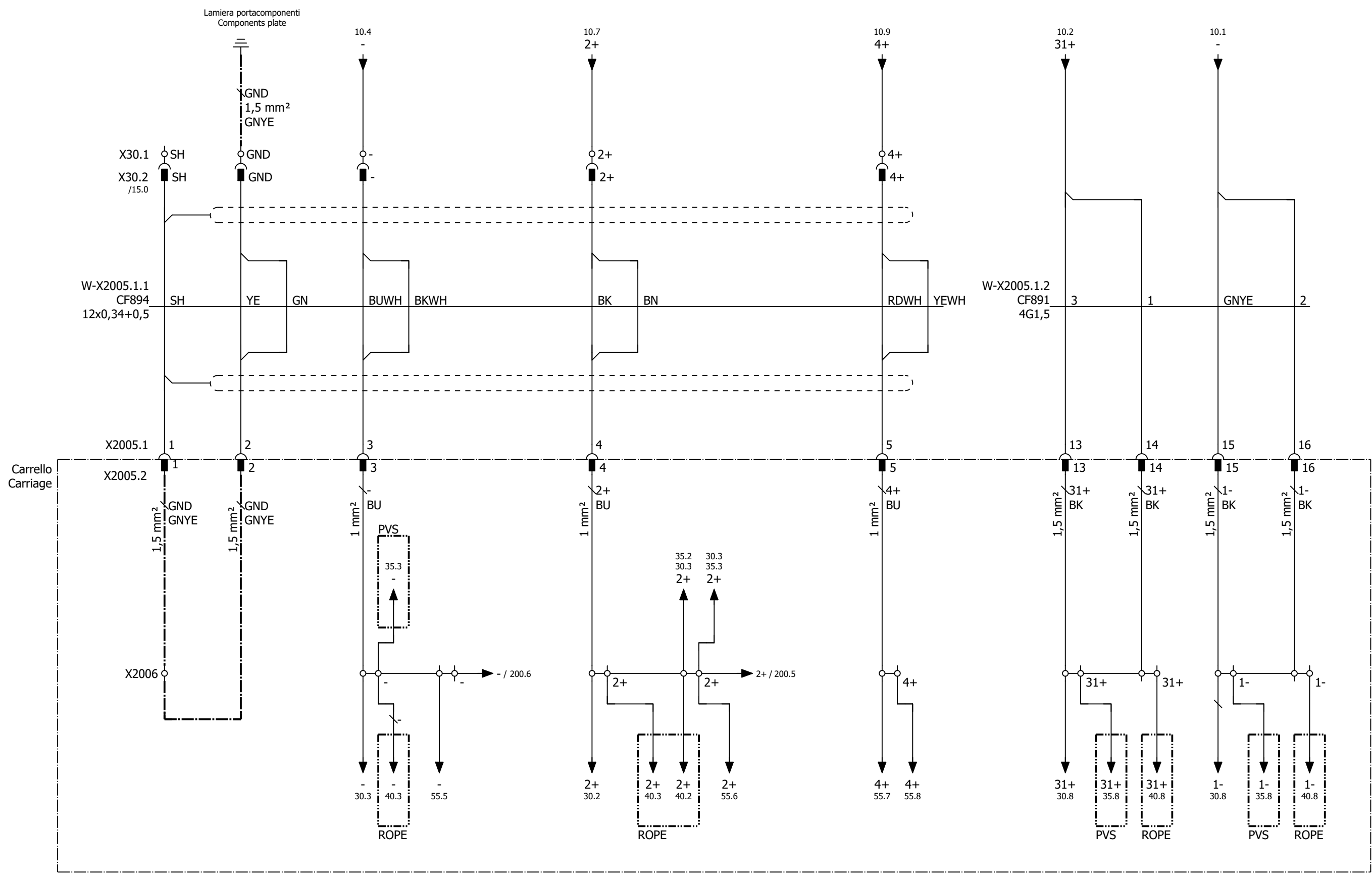
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Alimentazione  
Power supply

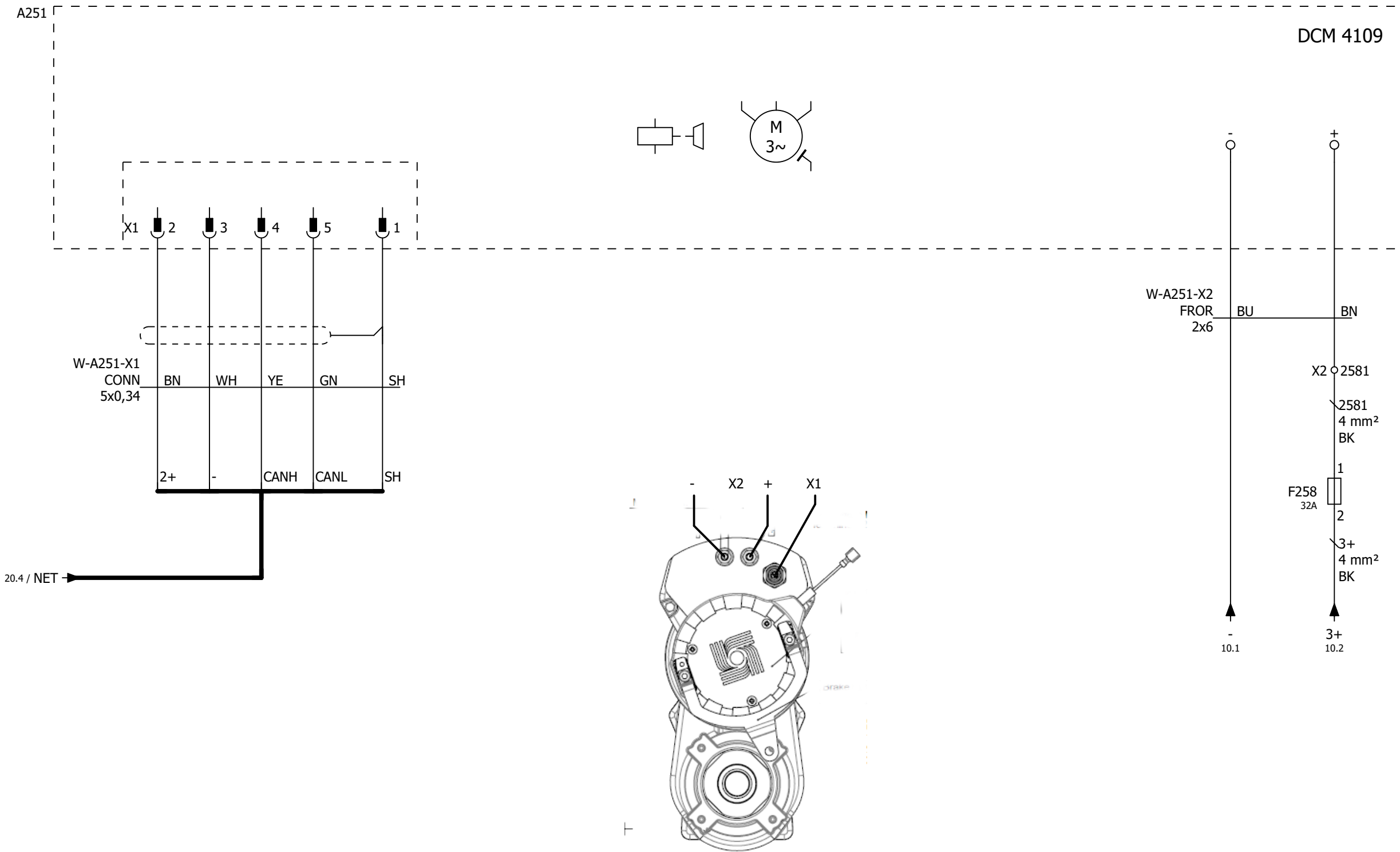
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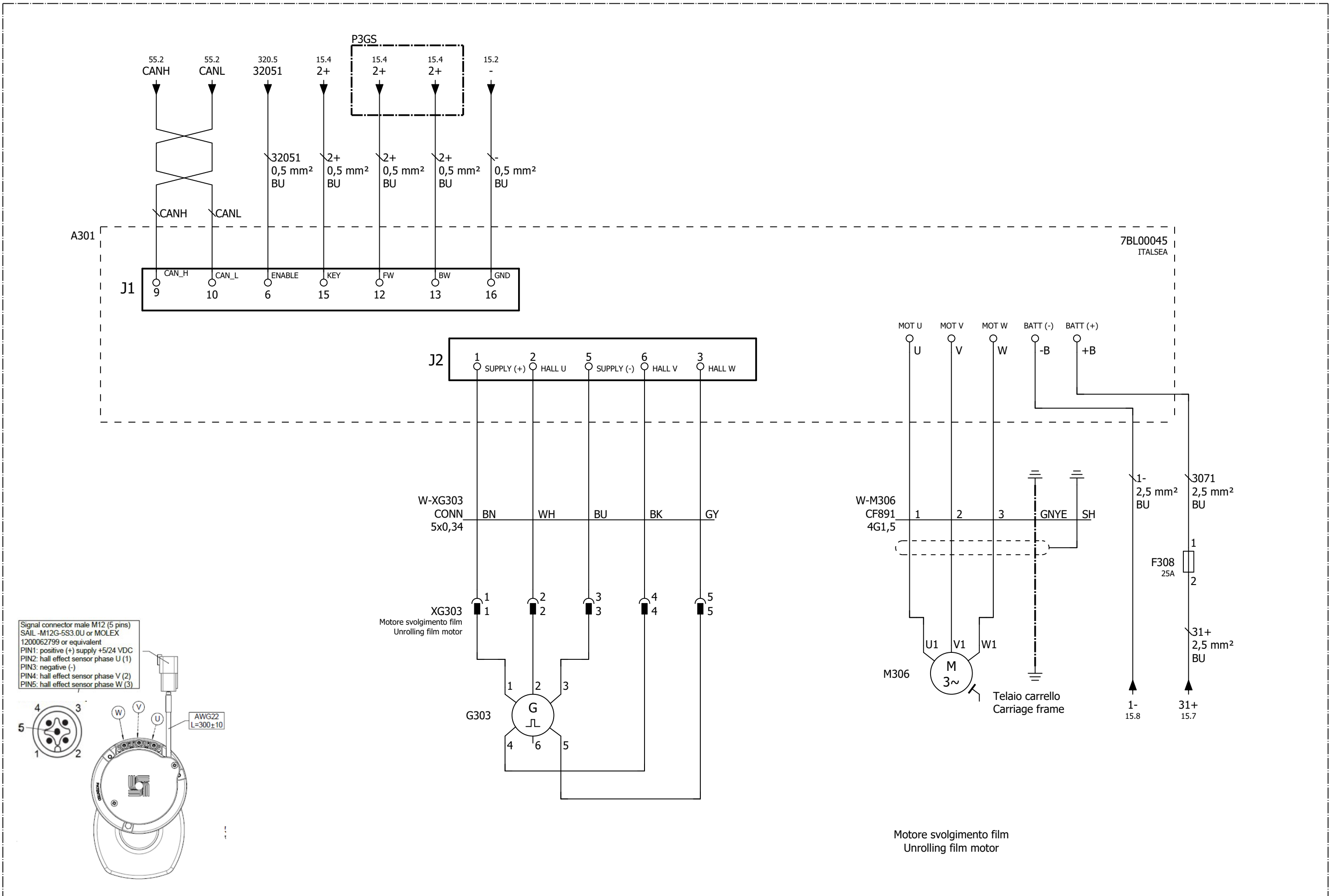
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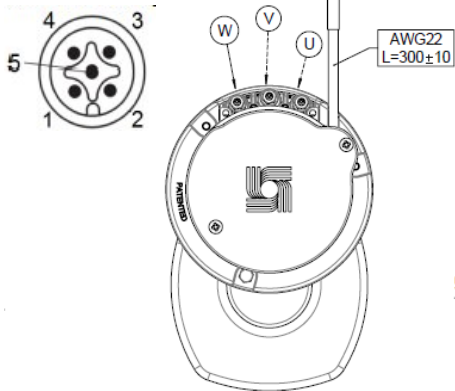


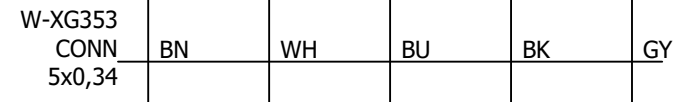
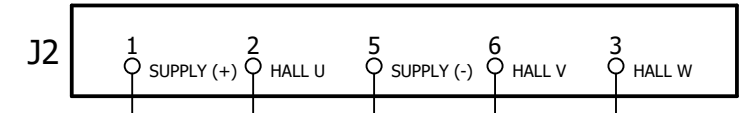
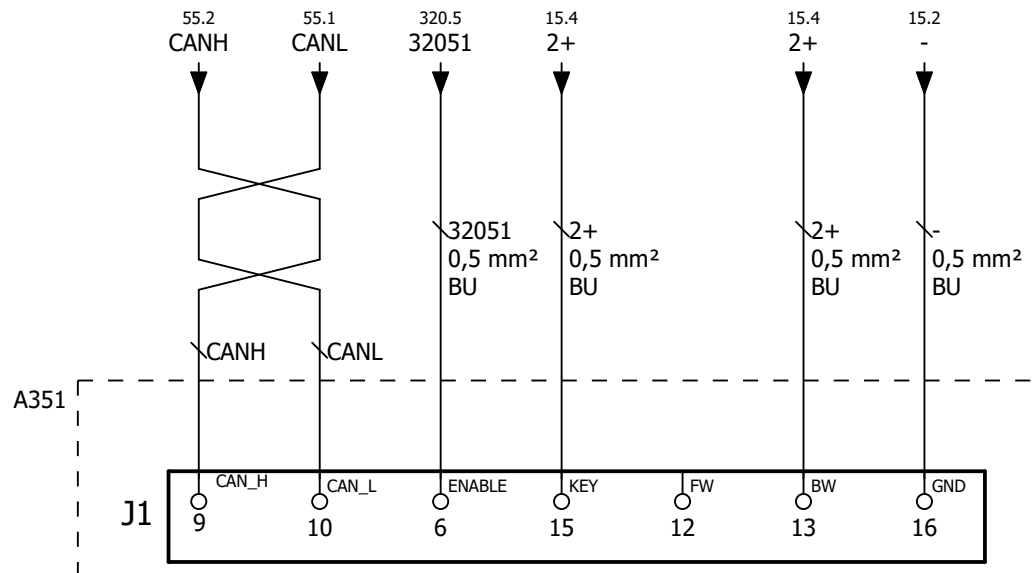




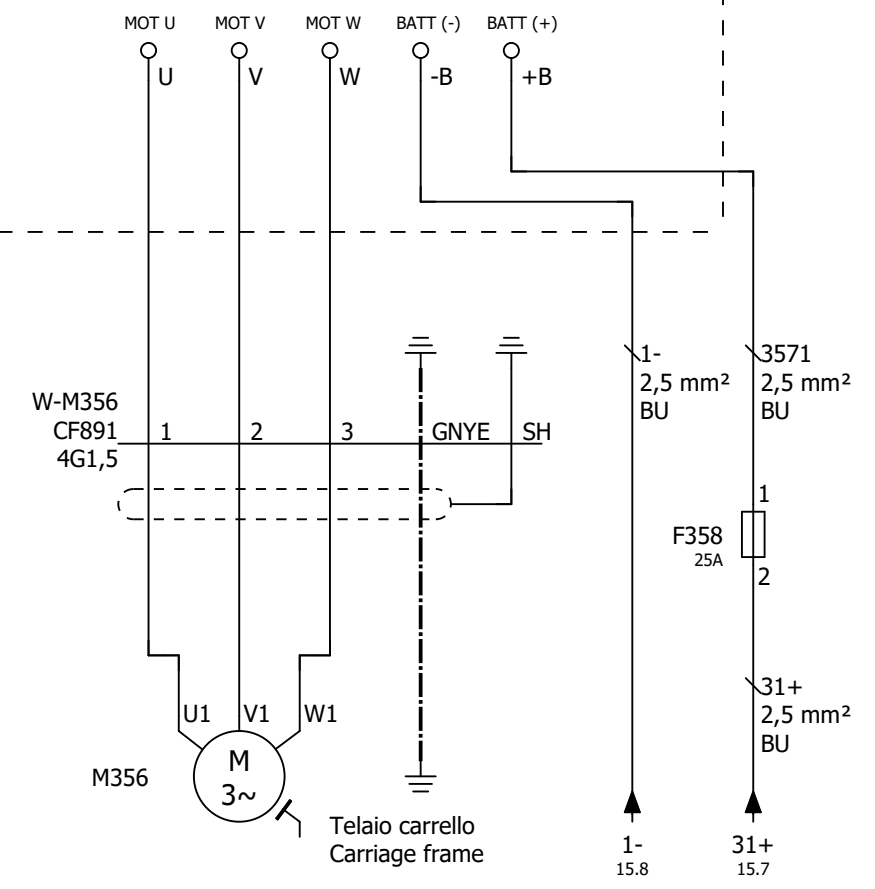
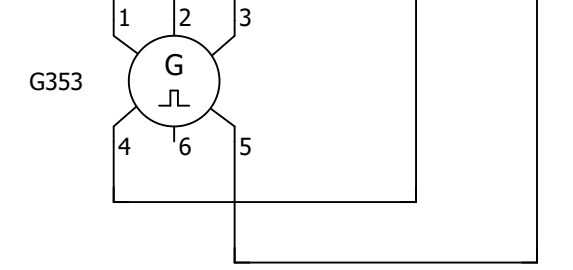
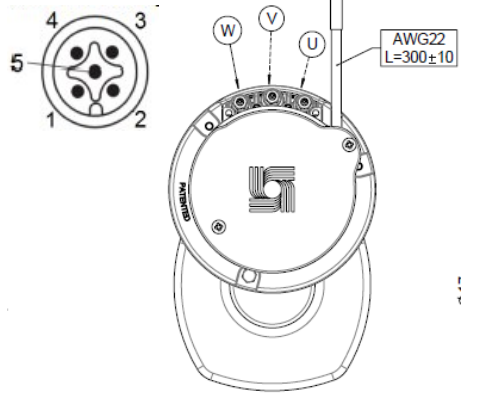


Signal connector male M12 (5 pins)  
SAIL -M12G-5S3.0U or MOLEX  
1200062799 or equivalent  
PIN1: positive (+) supply +5/24 VDC  
PIN2: hall effect sensor phase U (1)  
PIN3: negative (-)  
PIN4: hall effect sensor phase V (2)  
PIN5: hall effect sensor phase W (3)





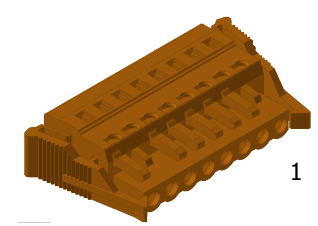
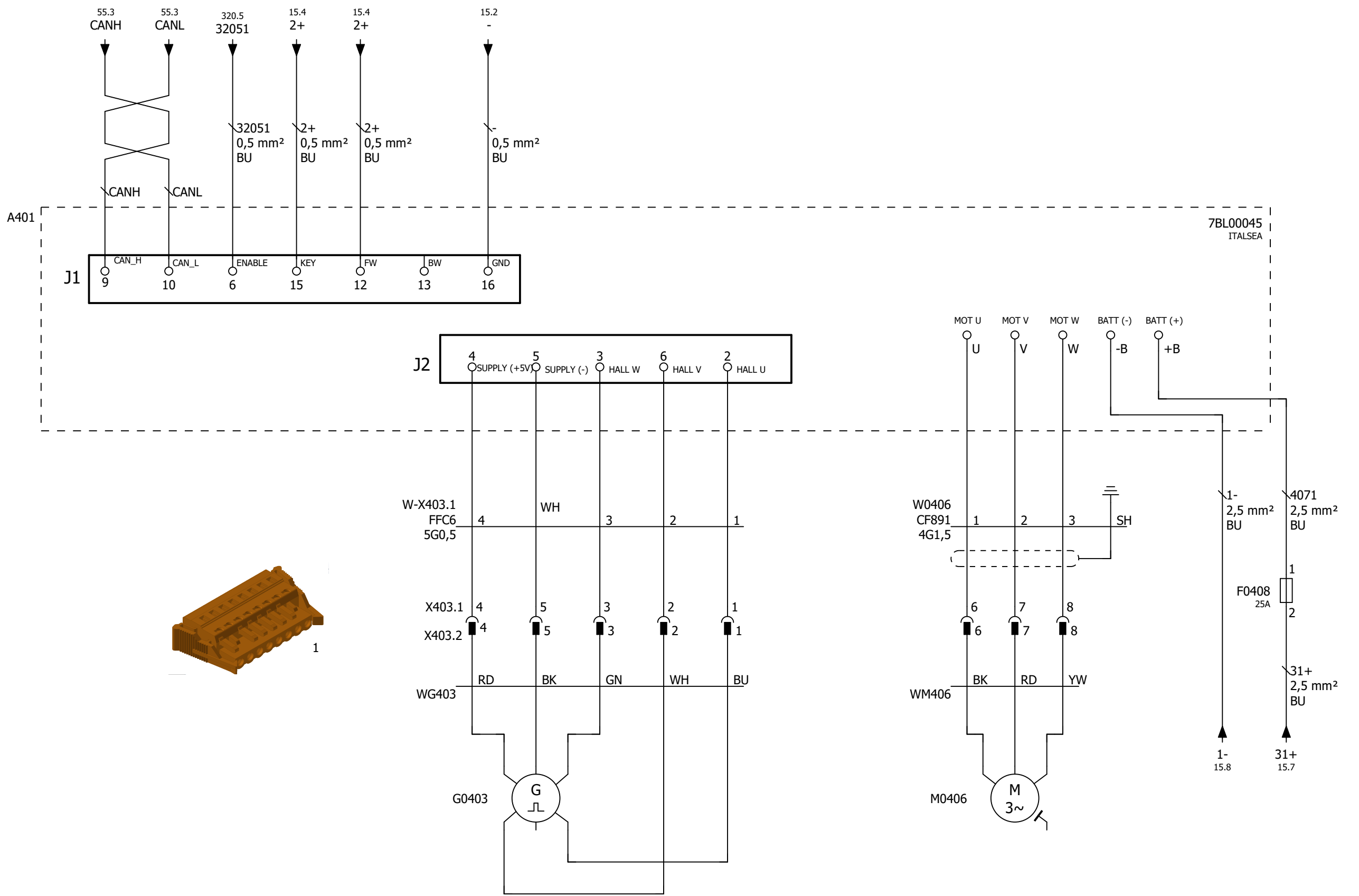
Signal connector male M12 (5 pins)  
SAIL -M12G-5S3.0U or MOLEX  
1200062799 or equivalent  
PIN1: positive (+) supply +5/24 VDC  
PIN2: hall effect sensor phase U (1)  
PIN3: negative (-)  
PIN4: hall effect sensor phase V (2)  
PIN5: hall effect sensor phase W (3)



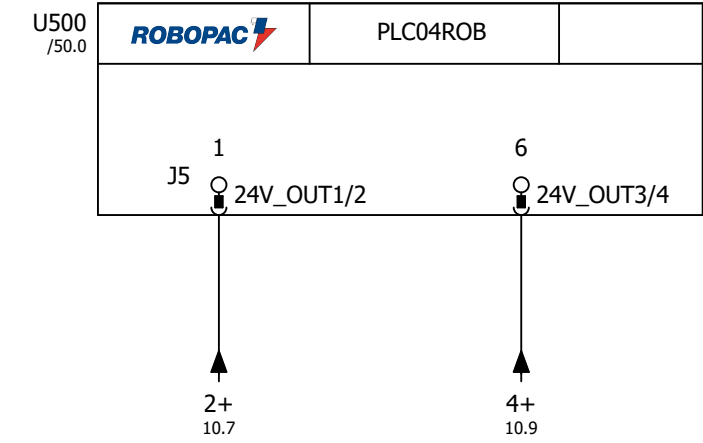
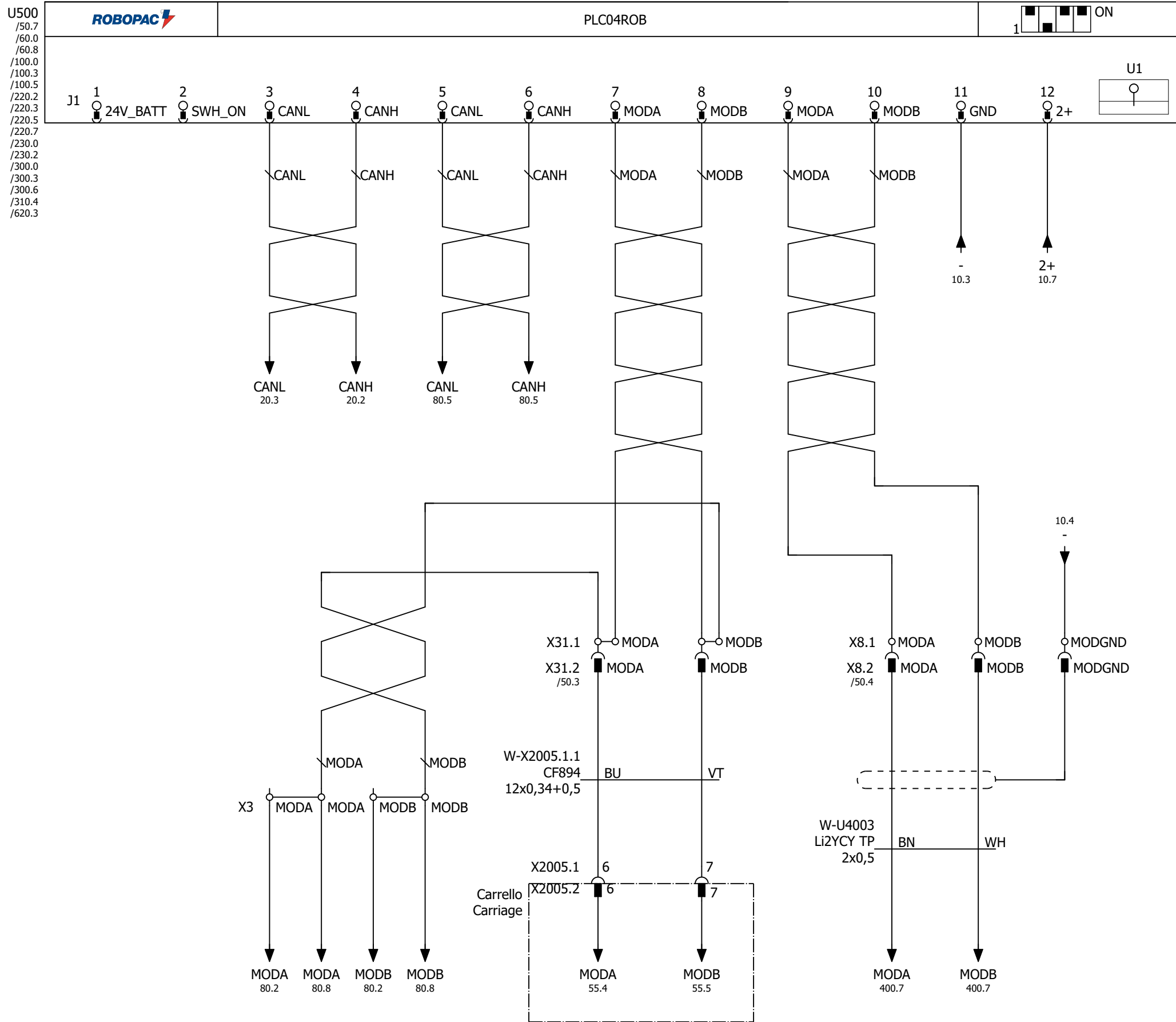
Motore svolgimento film  
Unrolling film motor

Carrello  
Carriage

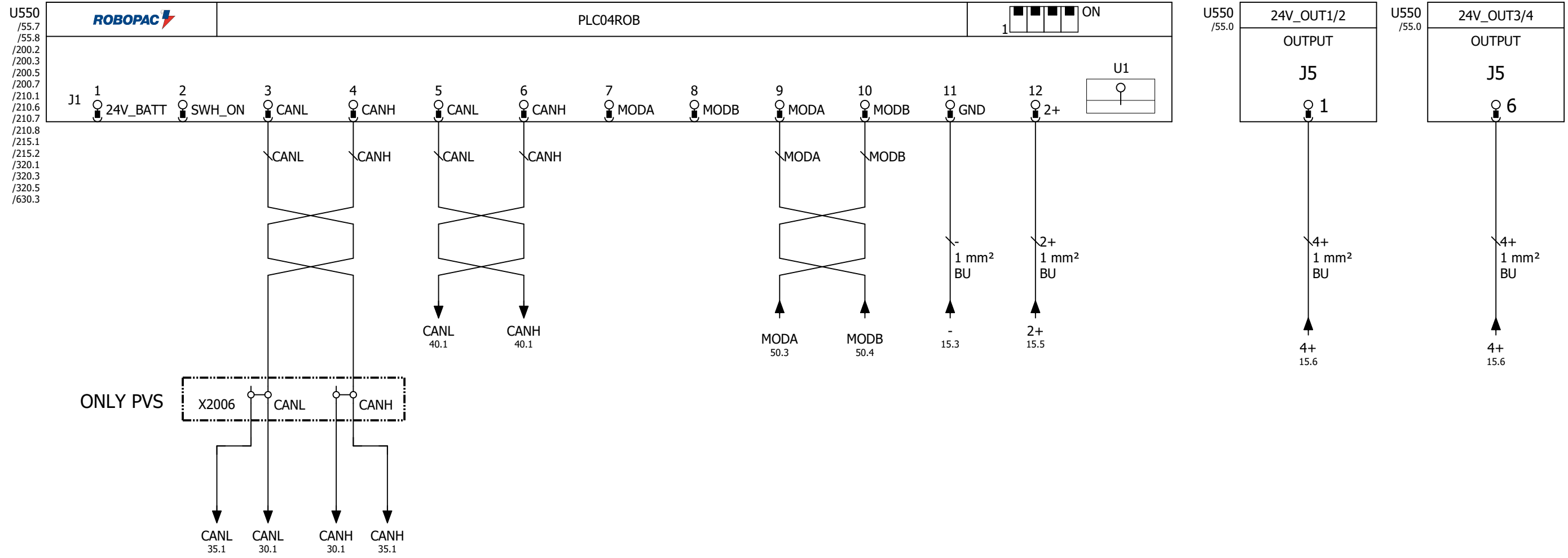
# OPTIONAL ROPE



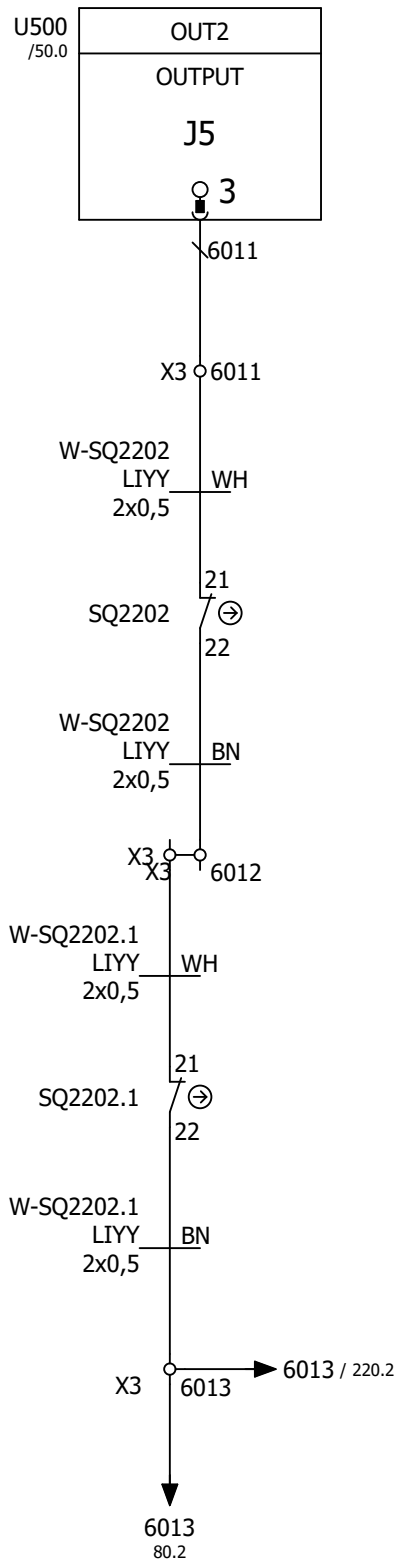
Motore cordonatore  
Rope device motor



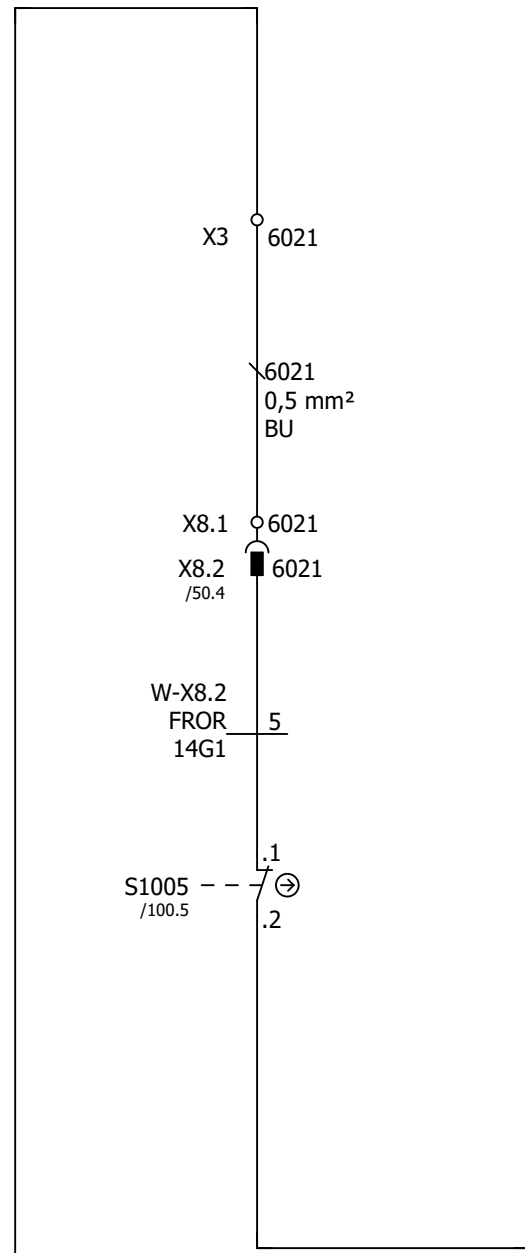
Carrello  
Carriage



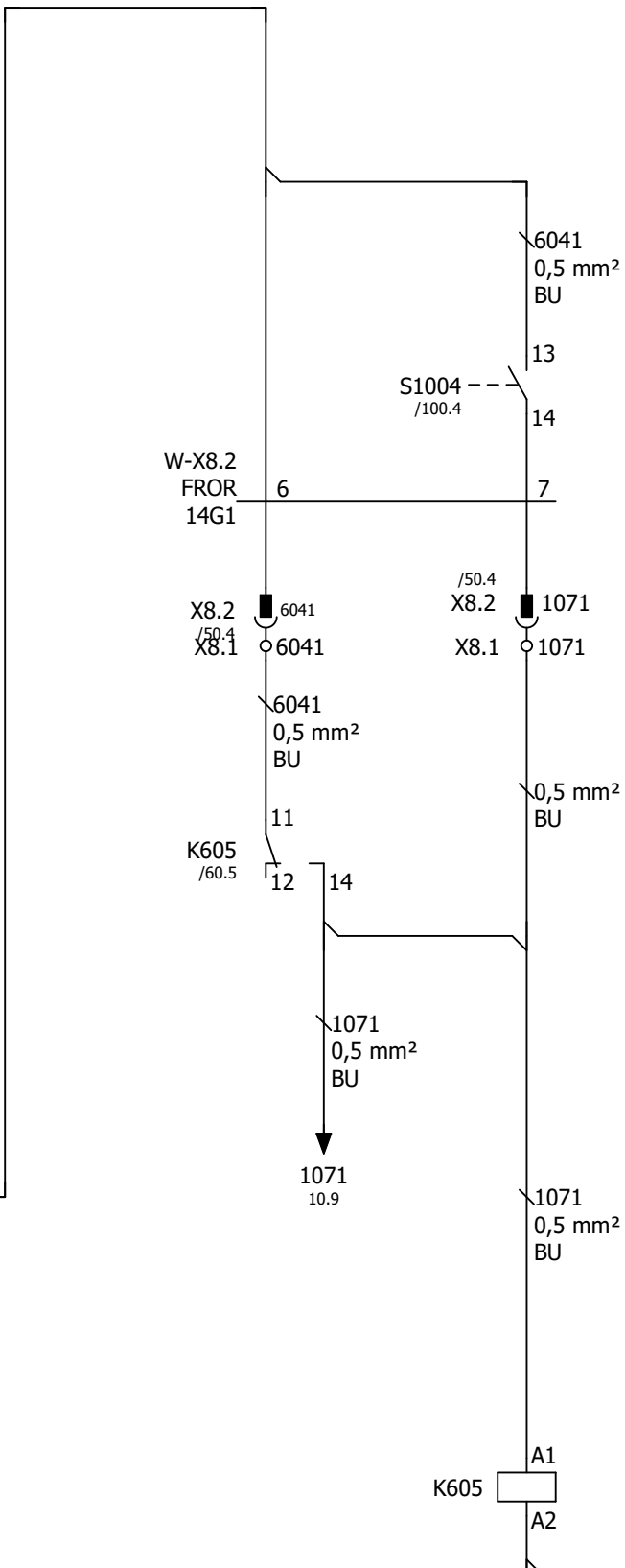
Retroazione emergenza  
Emergency feedback



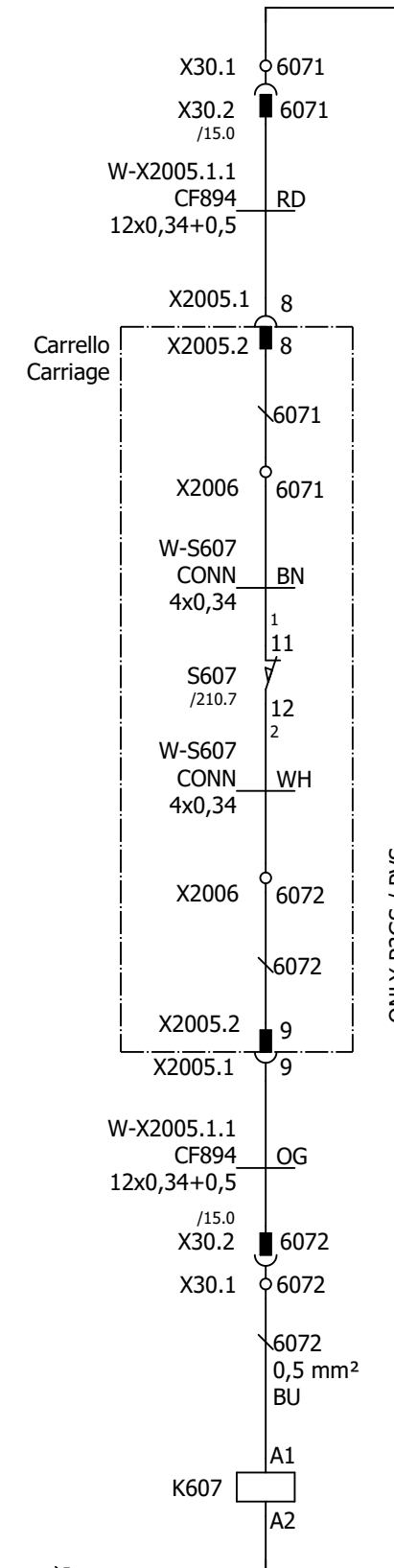
Emergenza paraurti  
Shock-absorber emergency



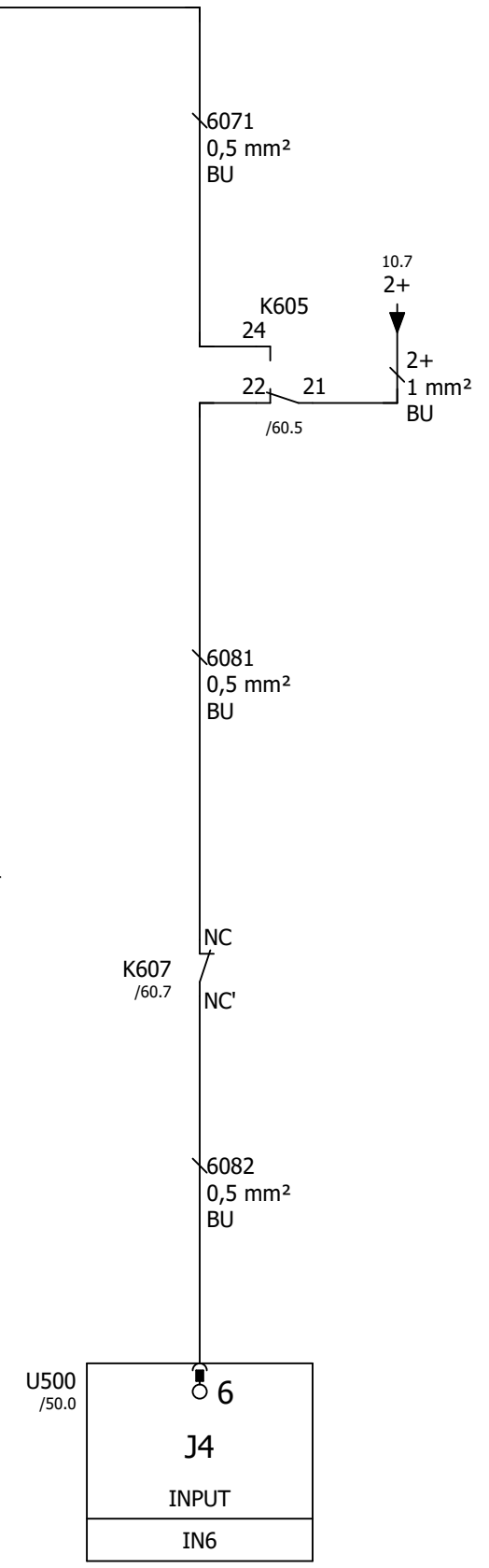
Emergenza  
Emergency stop



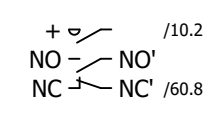
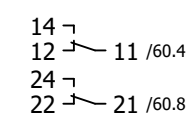
Relè di sicurezza  
Safety relay

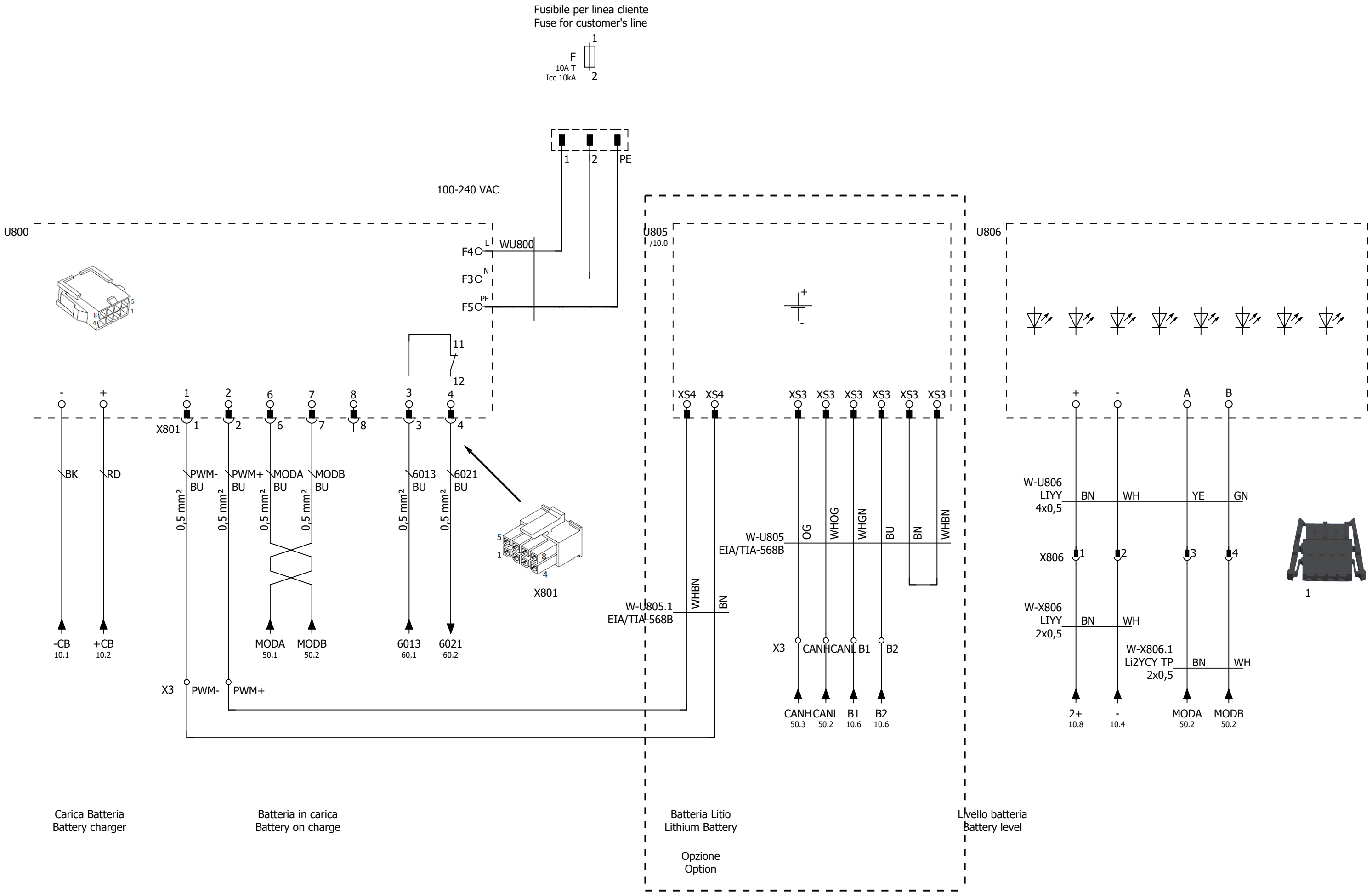


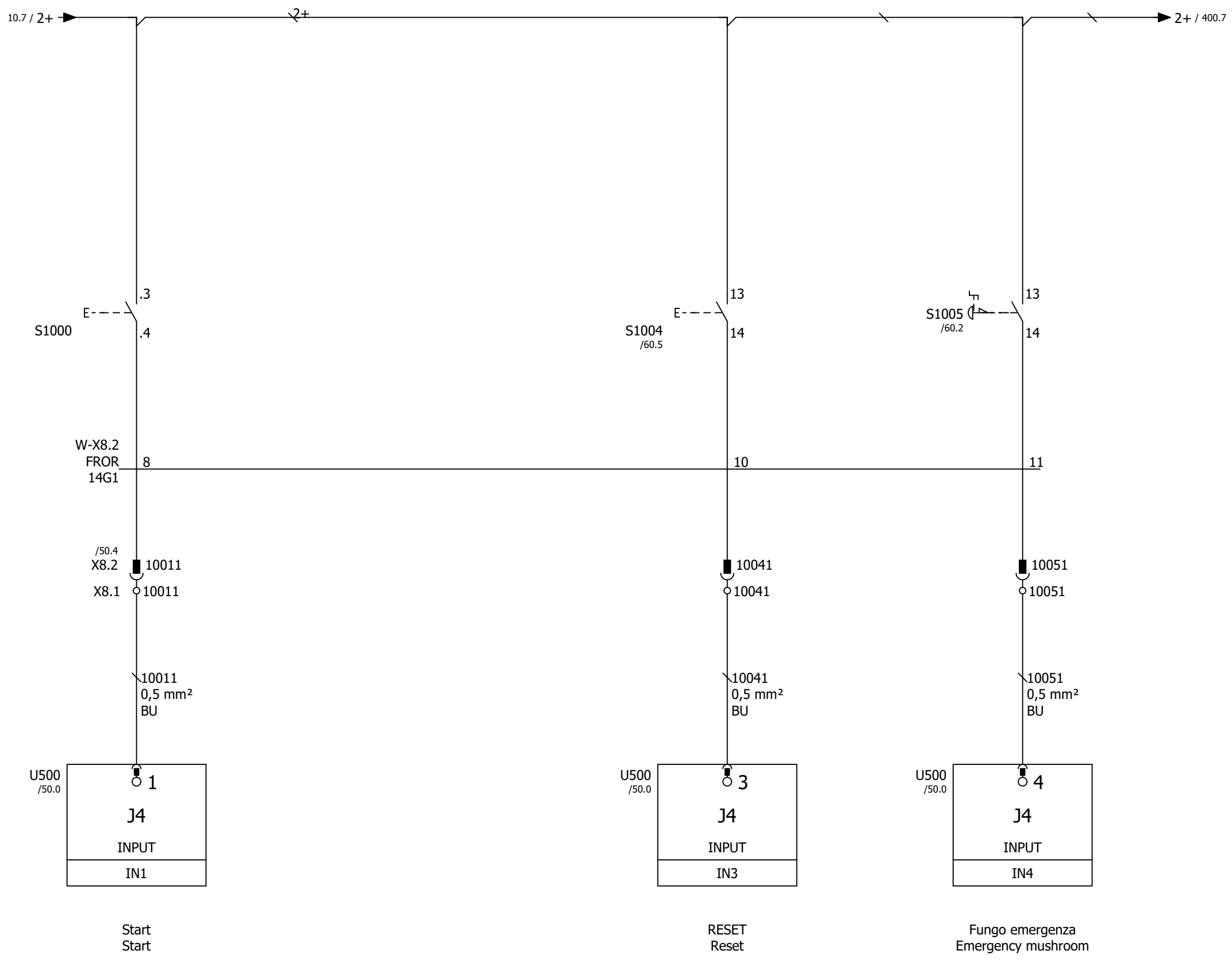
Contattore emergenza  
Emergency contactor



Retroazione emergenza  
Emergency feedback

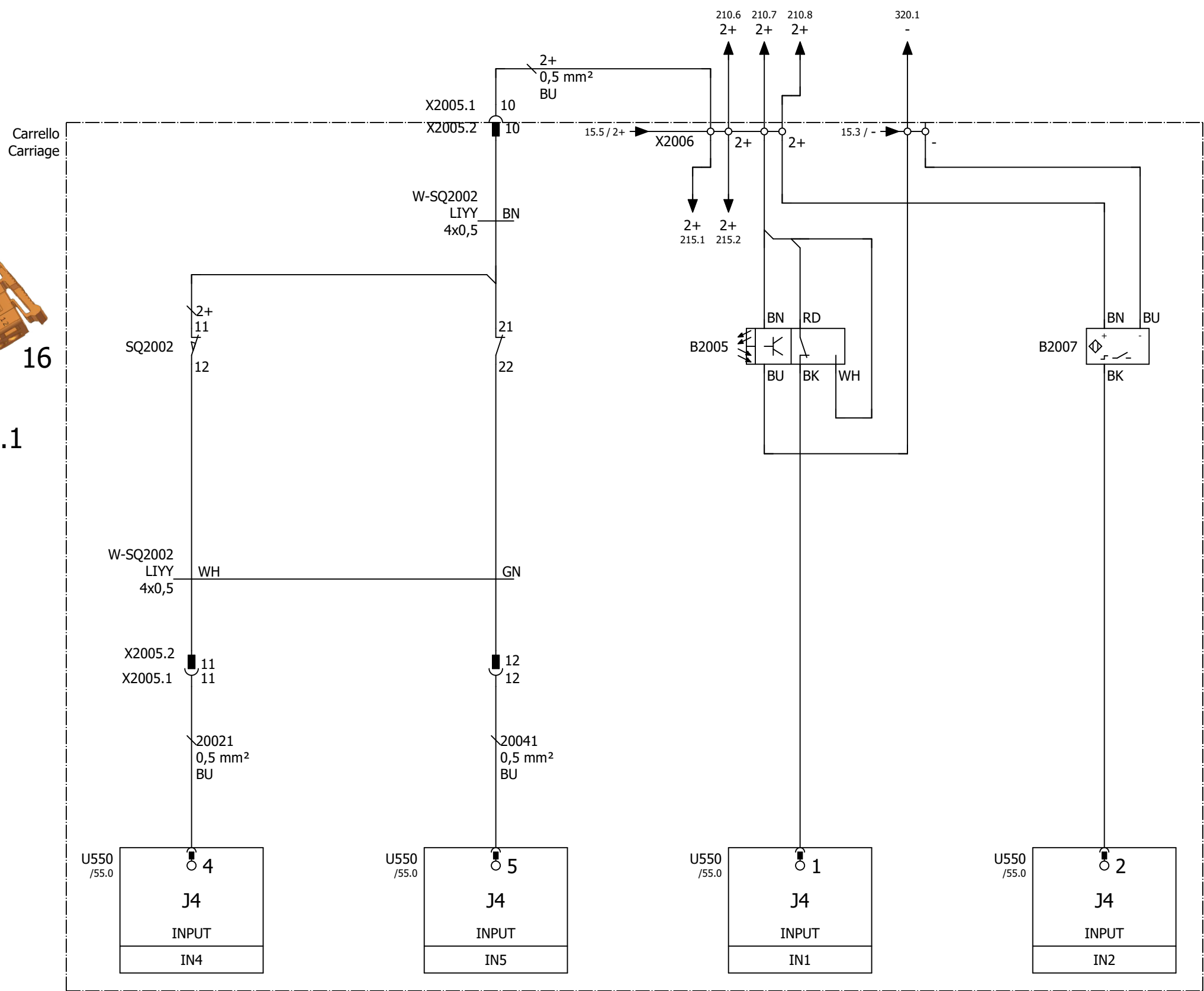
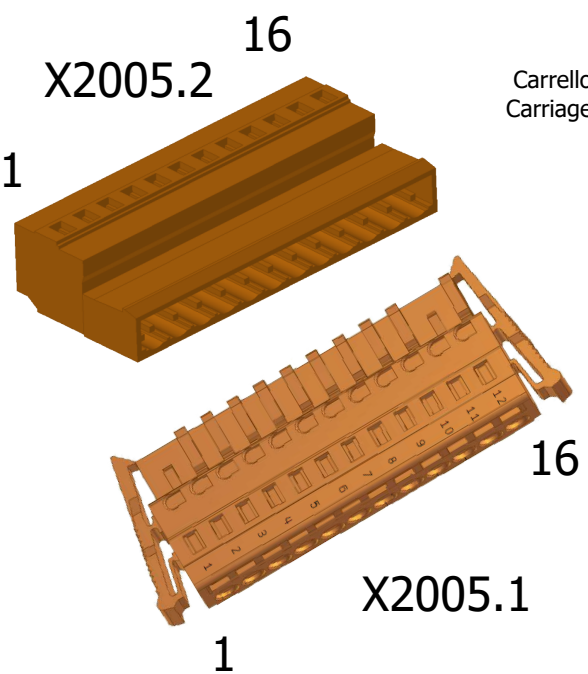






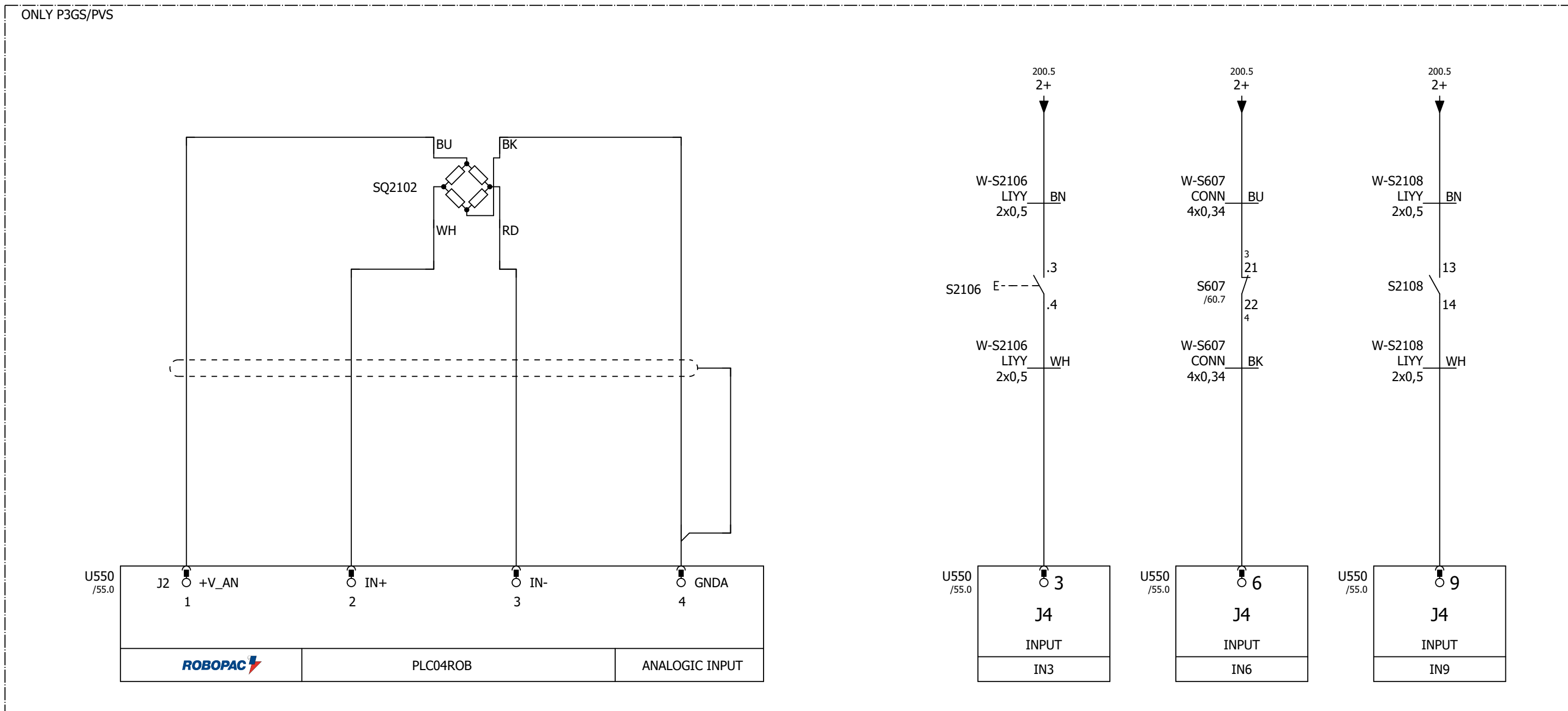
Description  
**Ingressi  
 Inputs**

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	80	Next	200	Page	100
Machine	Robot S7 P3GS/PVS										



Carrello Carriage

U550 /55.0 4 J4 INPUT IN4 Finecorsa alto High Limit switch  
 U550 /55.0 5 J4 INPUT IN5 Finecorsa basso Down Limit switch  
 U550 /55.0 1 J4 INPUT IN1 Fotocellula altezza prodotto Height product photocelle  
 U550 /55.0 2 J4 INPUT IN2 Sensore svolgimento film Film unwinding sensor  
 Opzione Option



Cella di carico  
Loading cell

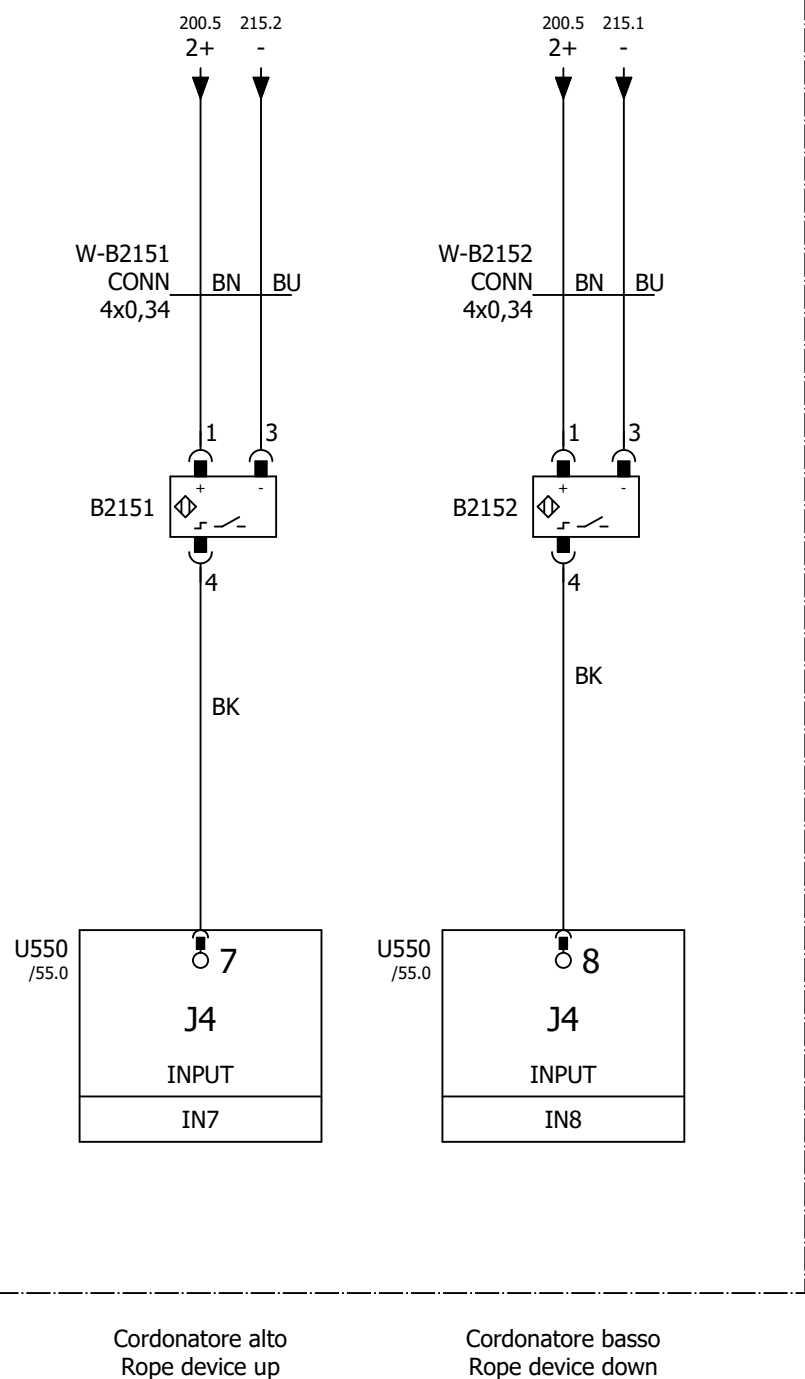
Pulsante svolgimento film  
Unrolling film button

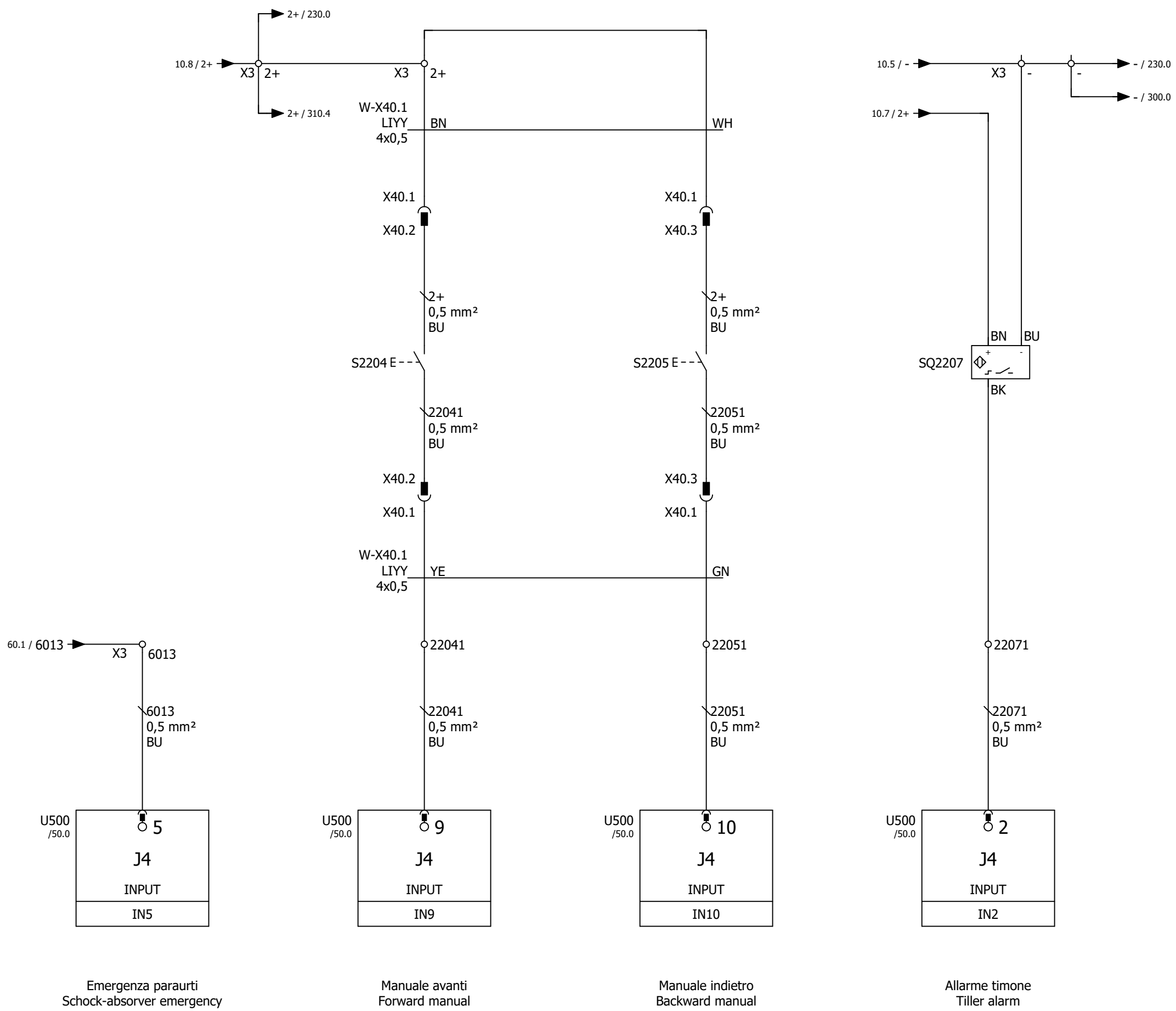
Apertura porta carrello  
Carriage door opening

Apertura carter carrello  
Carriage casing opening

OPTIONAL ROPE DEVICE

Carrello  
Carriage



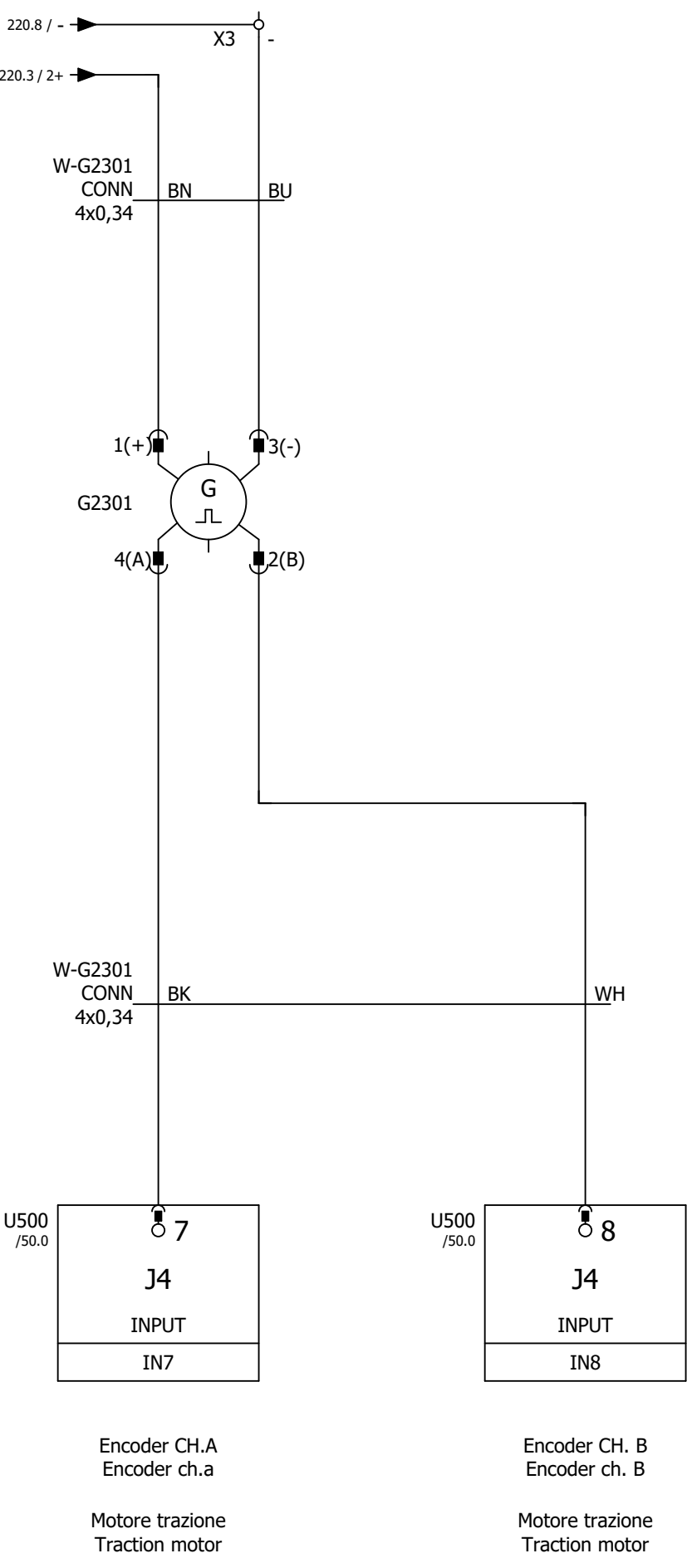


Emergenza paraurti  
Schock-absorber emergency

Manuale avanti  
Forward manual

Manuale indietro  
Backward manual

Allarme timone  
Tiller alarm



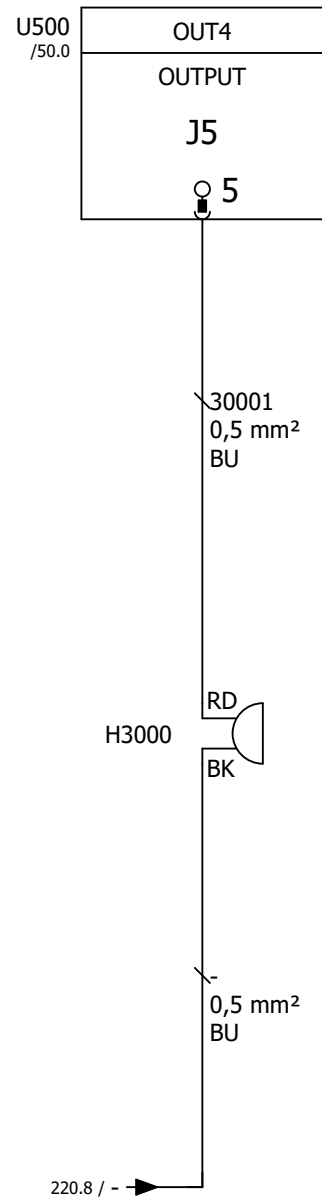
Encoder CH.A  
Encoder ch.a  
  
Motore trazione  
Traction motor

Encoder CH. B  
Encoder ch. B  
  
Motore trazione  
Traction motor

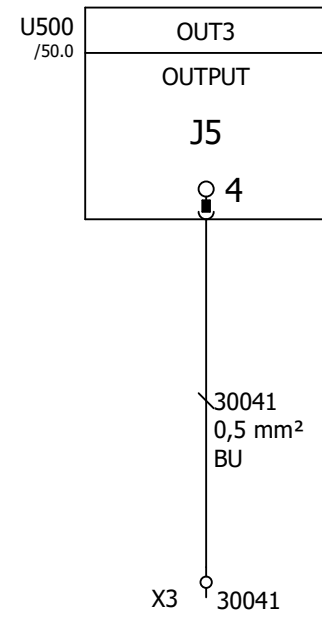


Description  
  
**Ingressi  
Inputs**

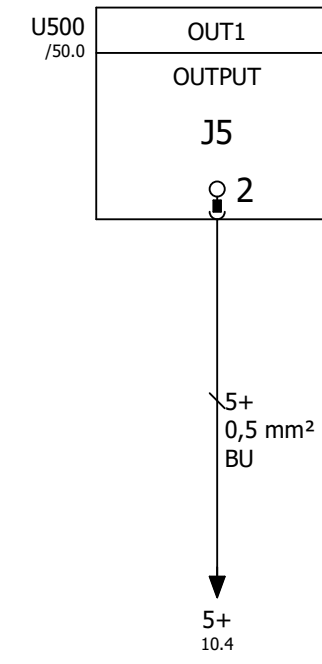
Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	220	Next	300	Page	230
Machine	Robot S7 P3GS/PVS										



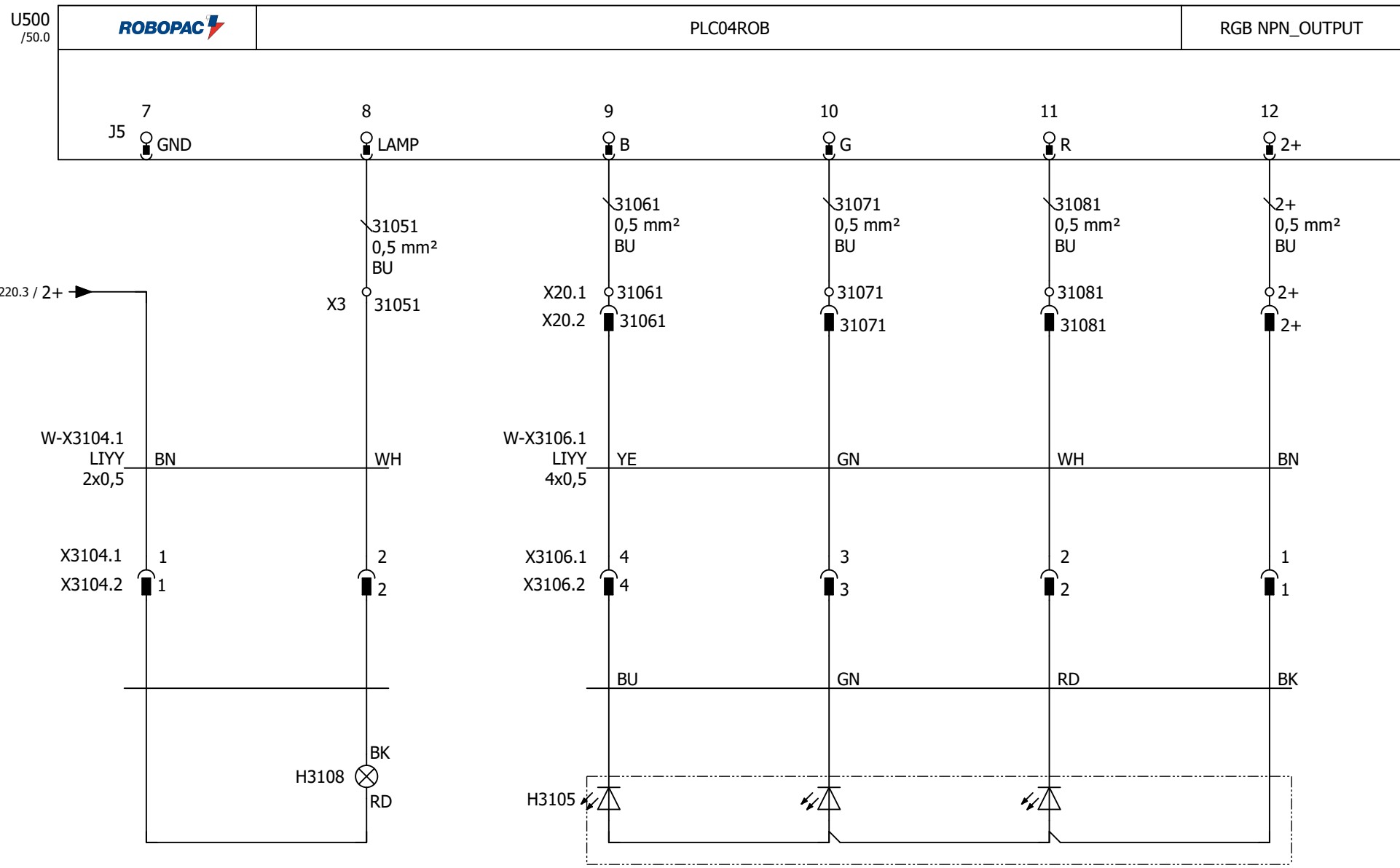
Sirena  
Siren



Riserva  
Spare



Auto spegnimento  
Auto shutdown

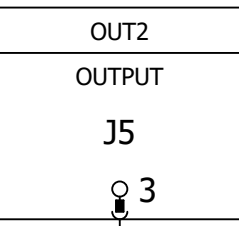


Luce blu  
Blue light  
Opzione  
Option

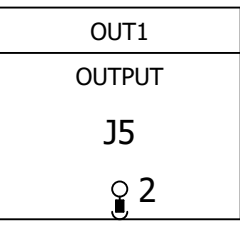
Segnalatore ottico circolare  
Round indicator light

Carrello  
Carriage

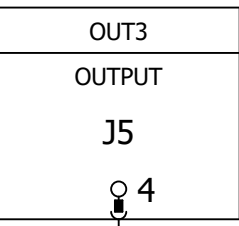
U550  
/55.0



U550  
/55.0



U550  
/55.0



W-Y3201  
LIYY  
2x0,5

BN

Y3201

W-Y3201  
LIYY  
2x0,5

WH

-  
200.6

Taglio film  
Film cut  
(Optional)

30.2  
32051

32051  
0,5 mm<sup>2</sup>  
BU

X2006

32051

32051  
35.2

32051  
40.2

PVS

ROPE

Abilitazione driver  
Driver enable



Description

Uscite  
Outputs

Code 3709306951ENG

Date 02/06/2021

Total 77

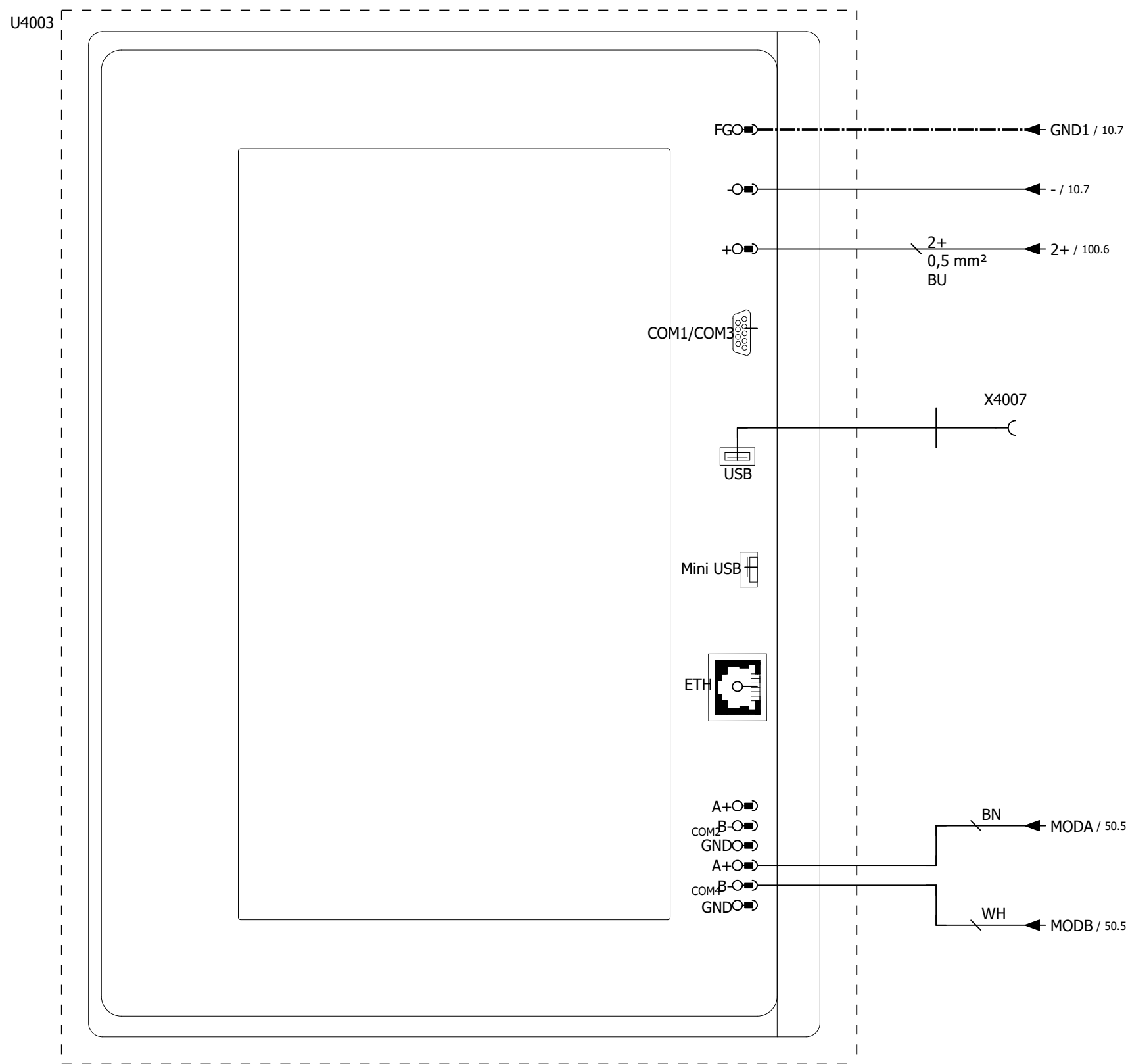
Prev 310

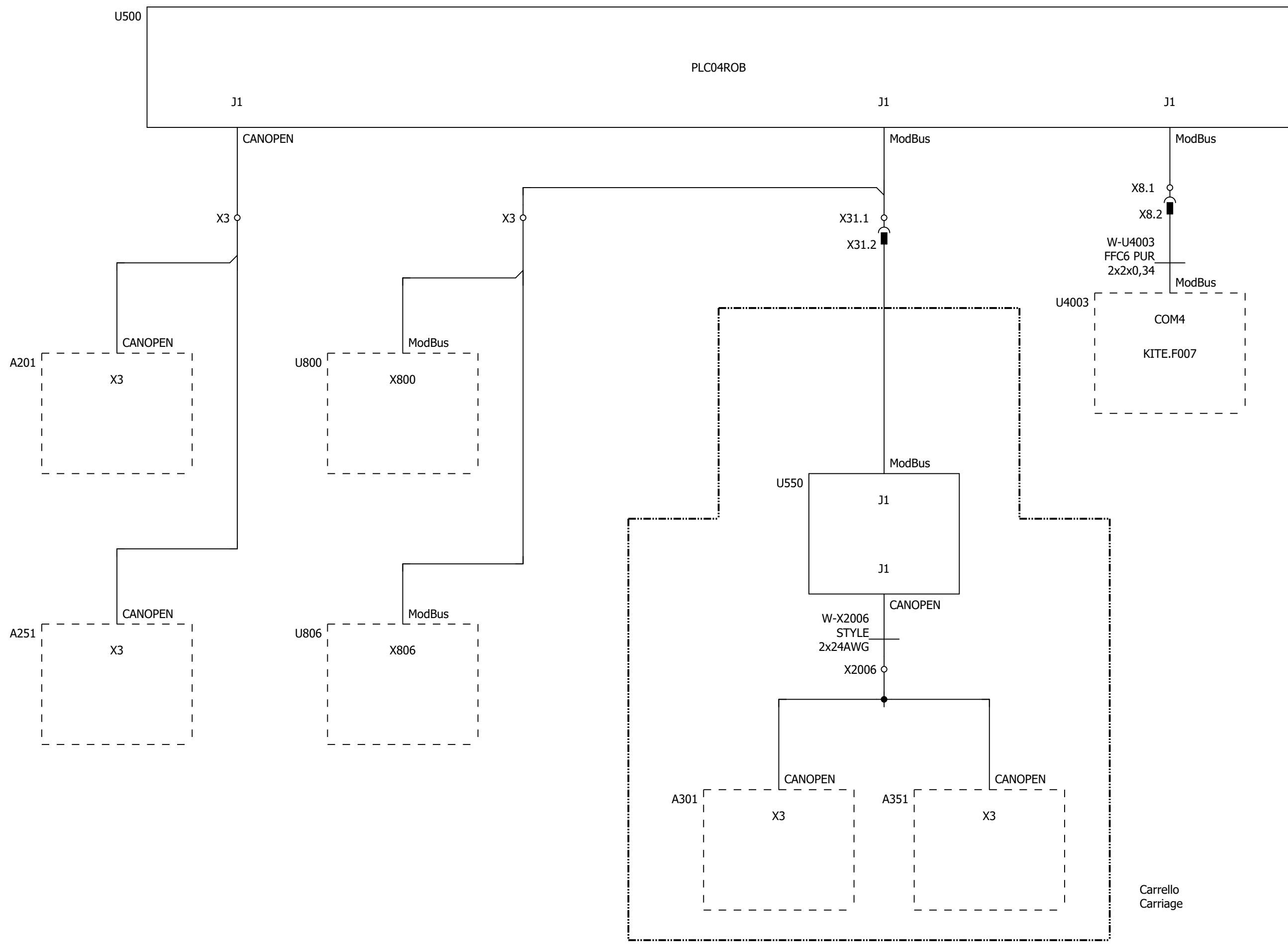
Next 400

Page

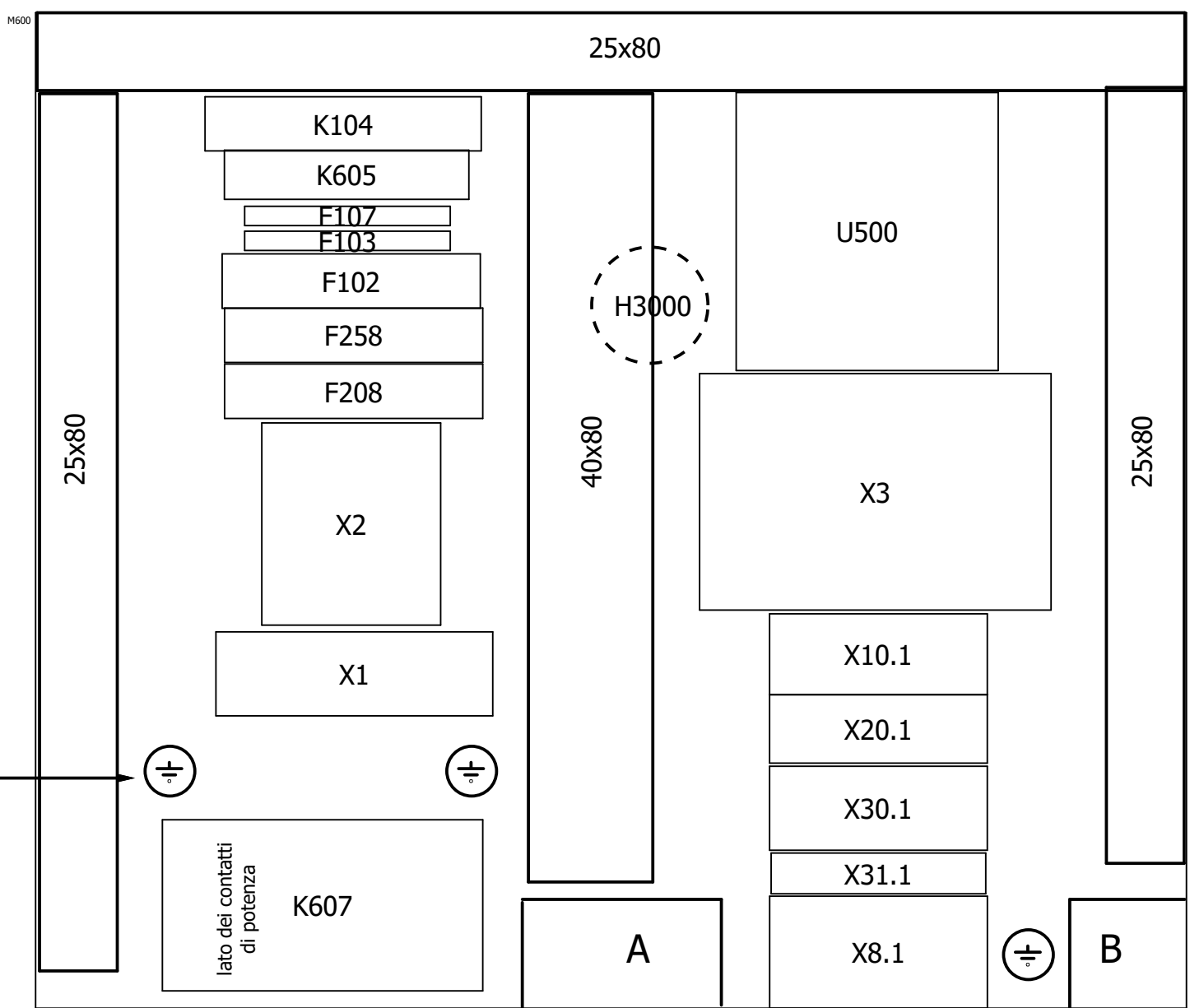
Machine Robot S7 P3GS/PVS

320





X3



NOTA1: inserire i rivetti esagonali sui fianchi della cassetta

NOTA2: partenza W104 il cavo esce dal punto A

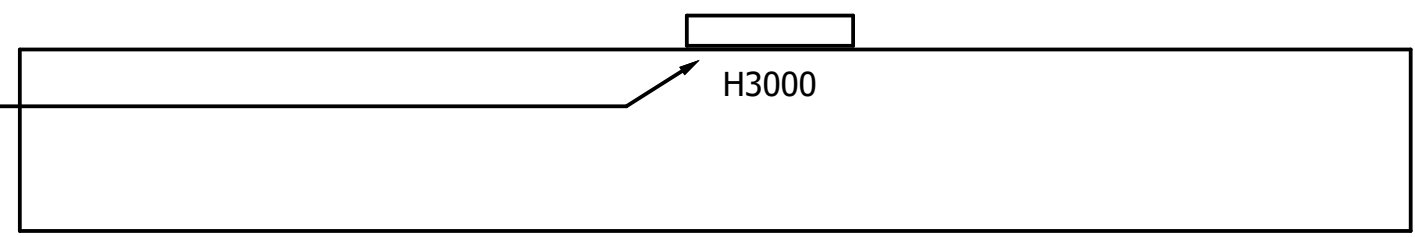
NOTA3: ricoprire i passaggi A e B con guarnizione in gomma

NOTA4: X801 tutte le cordine vanno raccolte in una calza lunga 30cm fuori quadro  
MODA e MODB vanno twistati

NOTA5: montare il buzzer sul retro della piastra

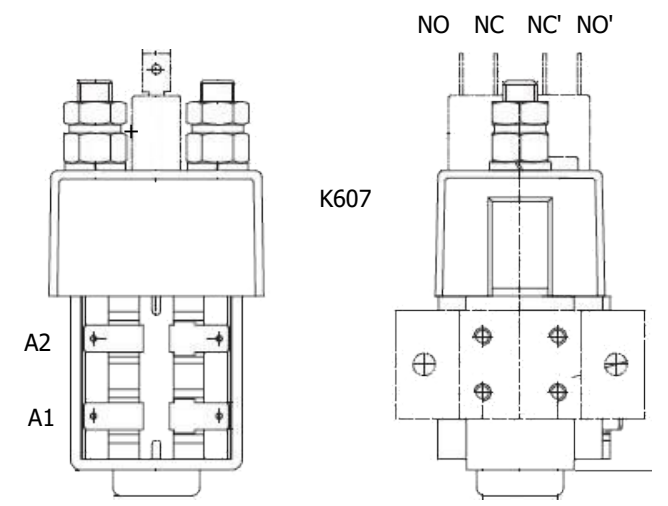
batterie / caricabatterie  
potenza sollevamento  
potenza prestiro  
potenza trazione  
encoder trazione  
bumper / timone

cavi HMI  
can trazione  
can sollevamento  
segnali prestiro

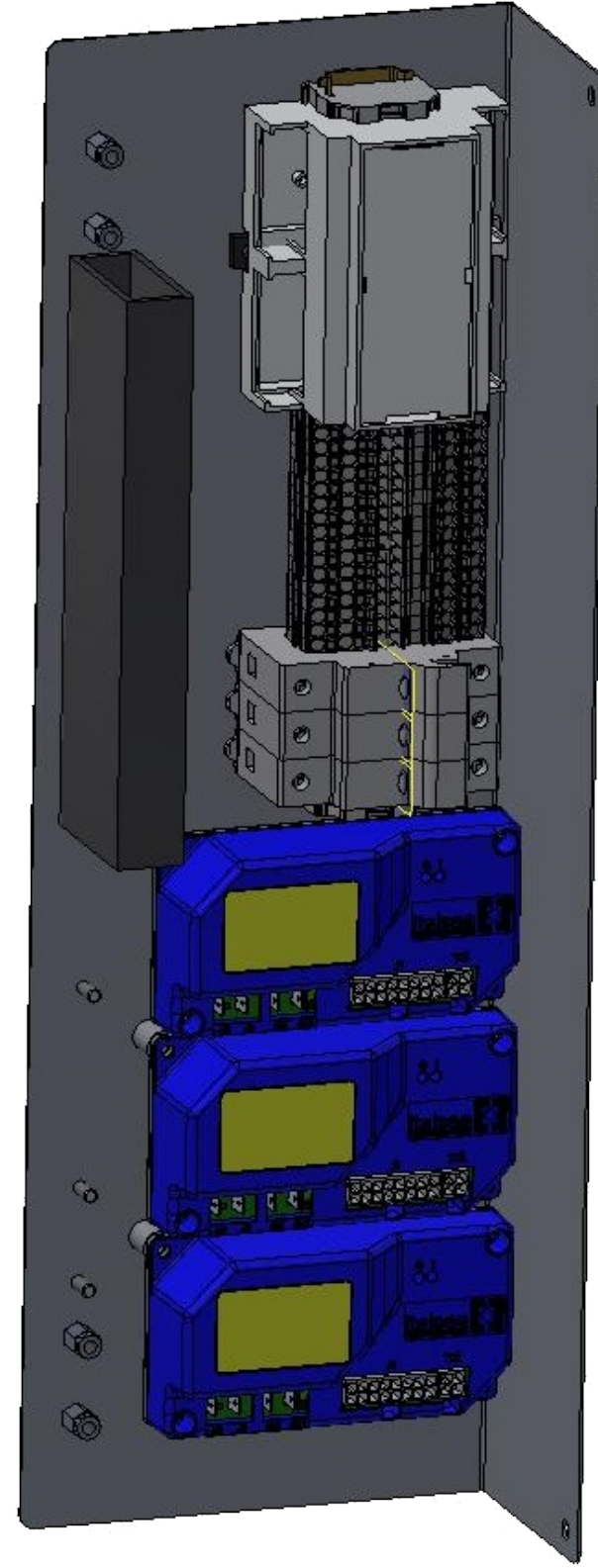
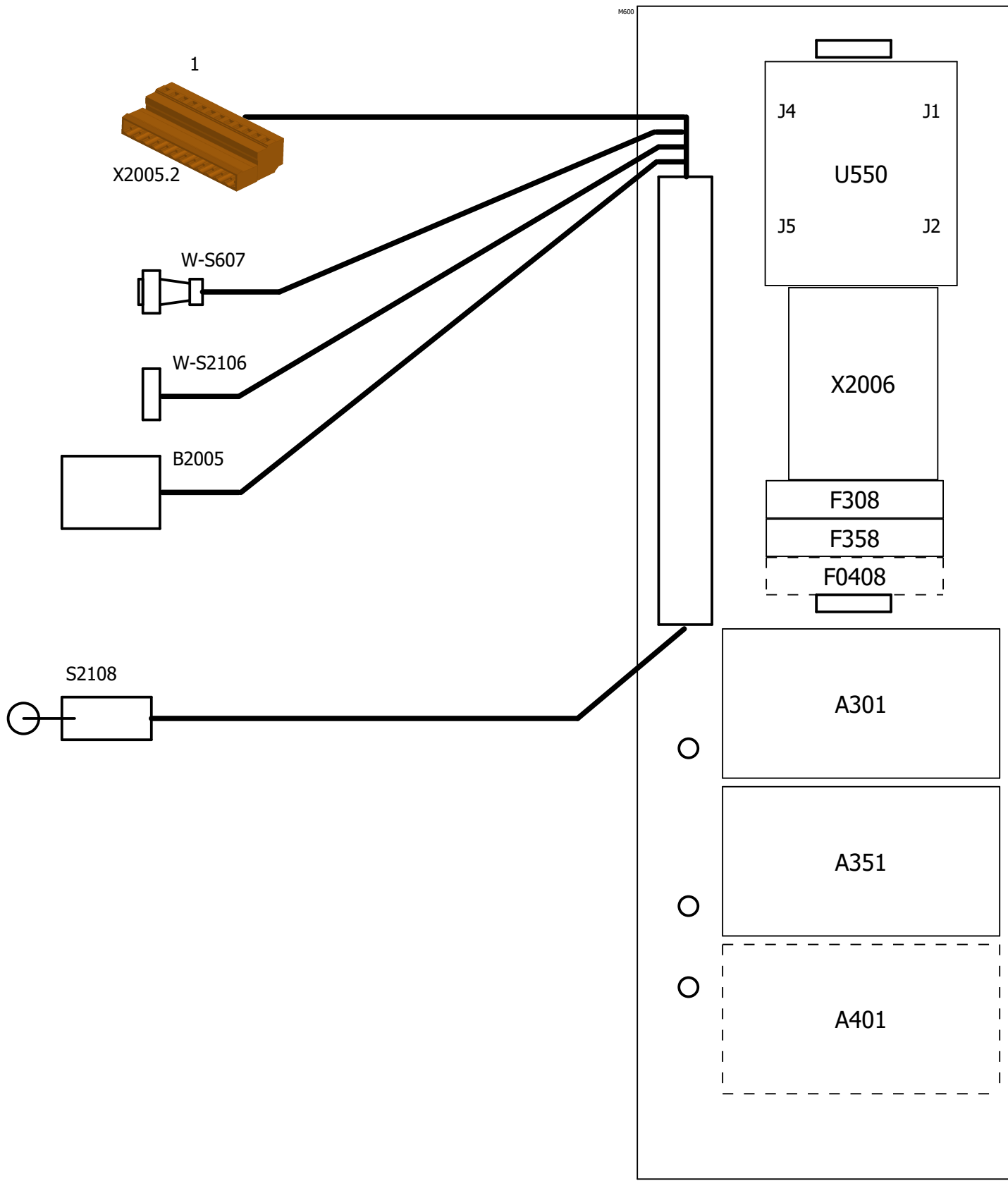


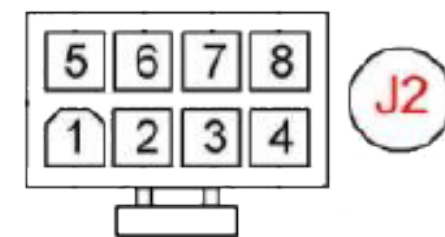
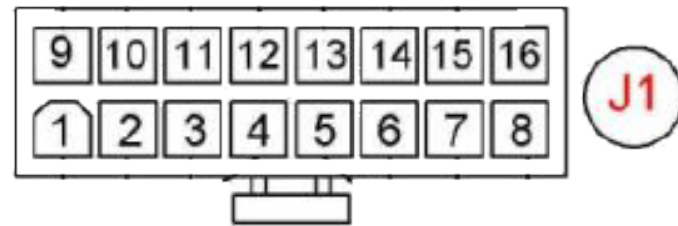
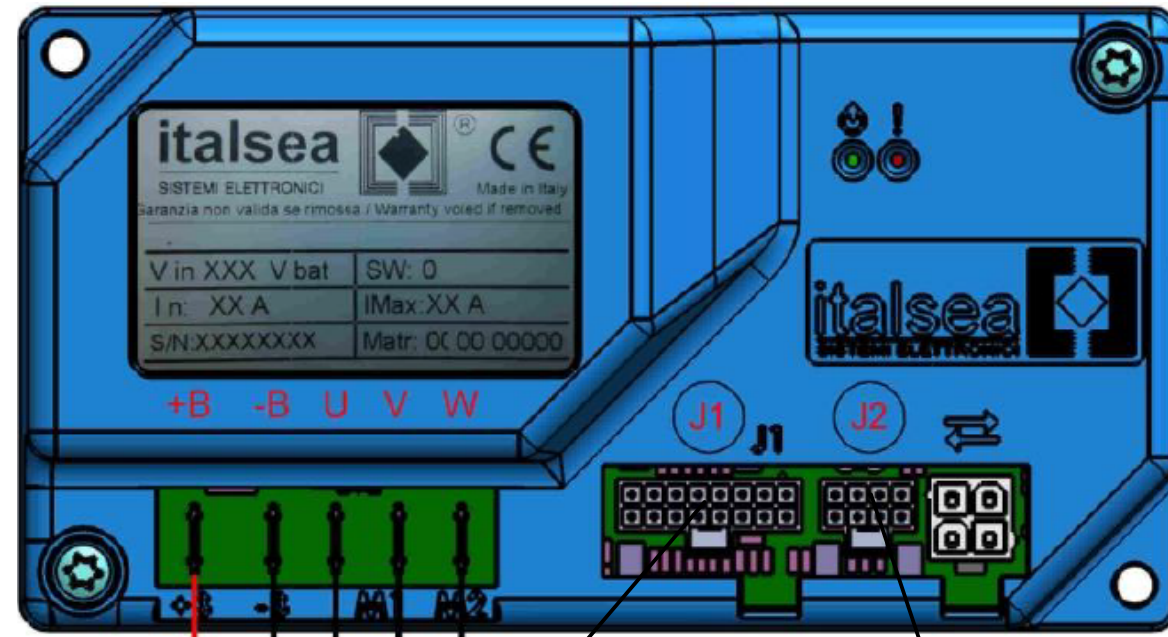
VISTA DALL' ALTO

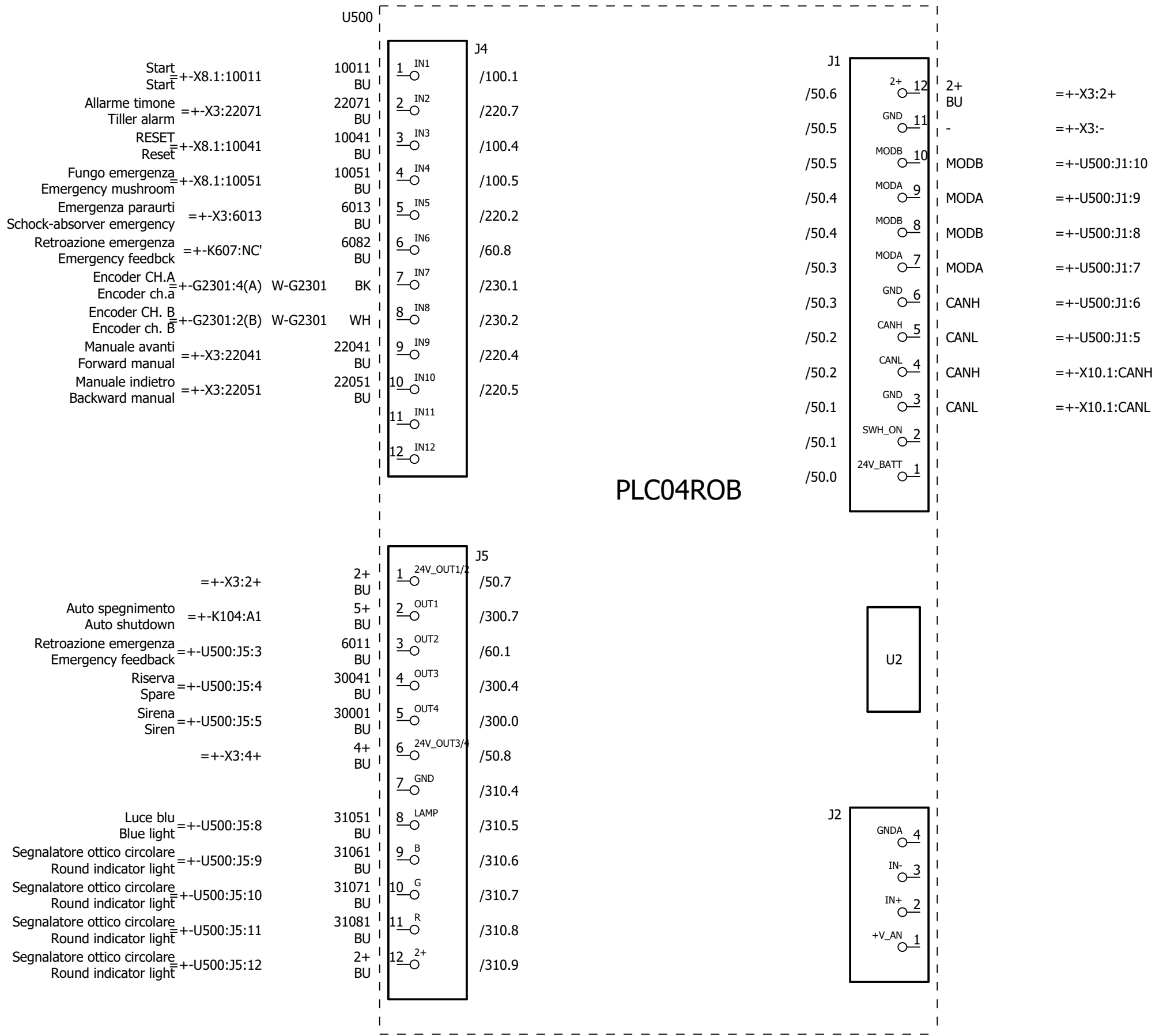
-			
1+			
6011			
-			
1+			
6012			
-			
2+			
6012			
-			
2+			
6013			
-			
2+			
6013			
-			
2+			
6021			
-			
2+			
22041			
-			
2+			
22051			
-			
2+			
22071			
MODA			
4+			
31051			
MODA			
4+			
B1			
MODB			
30041			
B2			
MODB			
CANH			
PWM+			
CANL			
PWM-			



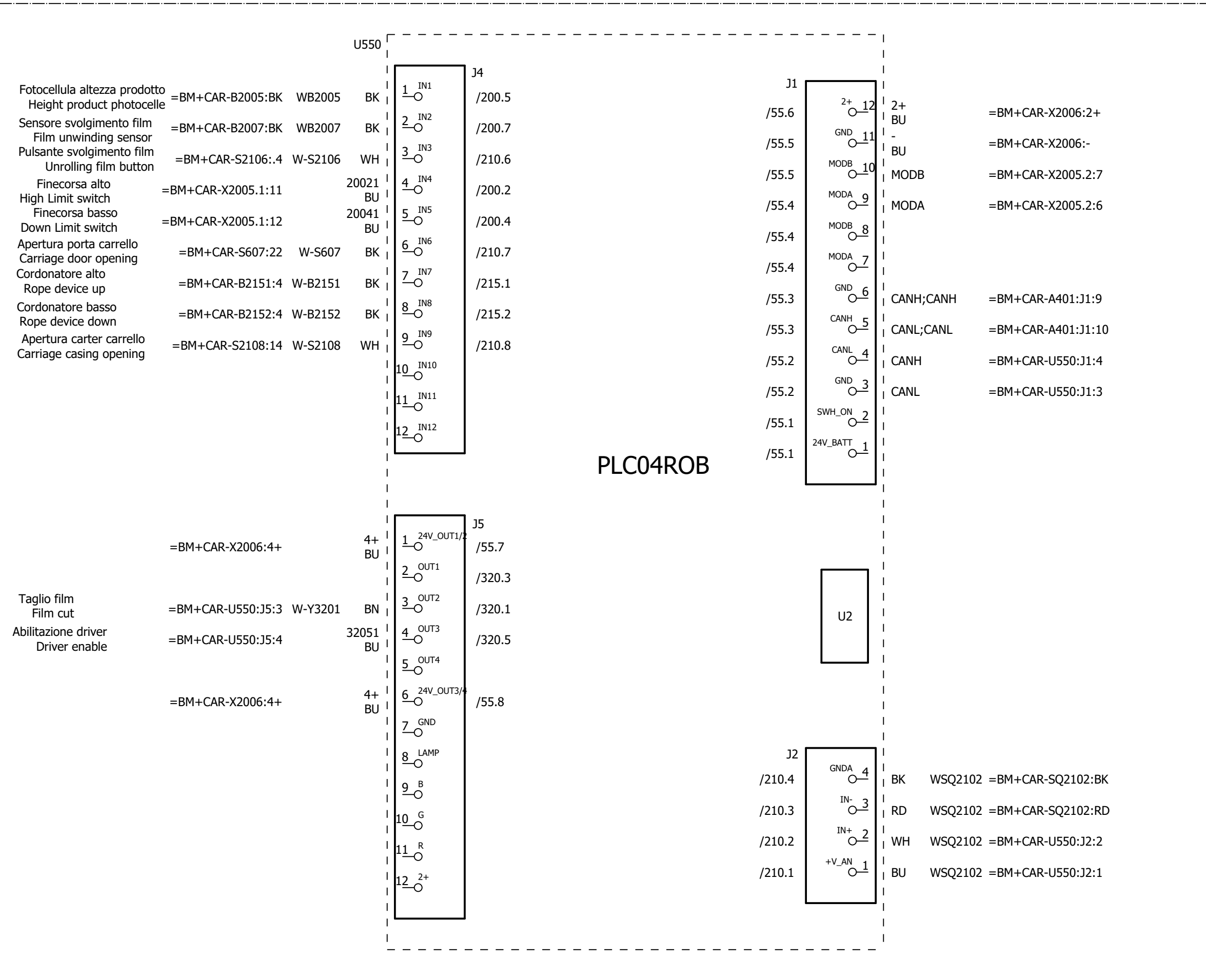
Carrello  
Carriage







Carrello  
Carriage





# Sommario cavi

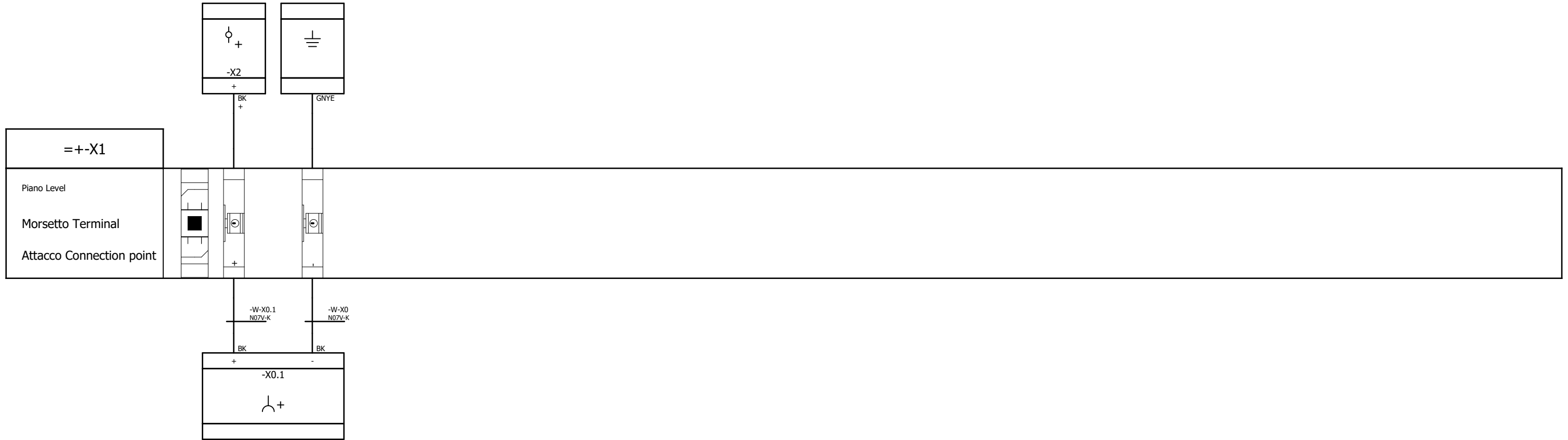
## Cable overview

Cable	Origine	N° Conduttori	Cross-section	Capicorda origine	Spelatura origine (cm)	Lunghezza fuori cassetta (m)	Spelatura destinazione (cm)	Capicorda destinazione	Target	Note
-W104	-GND1	1	10 mm <sup>2</sup>	Occhiello D.6		0,35		Occhiello D.6	-GND2	
-W-G2301	-X3;-U500	4	0,34 mm <sup>2</sup>		7	0,7			-G2301	Uscita da punto A
-W-X0	-X1	1	10 mm <sup>2</sup>	Puntalino		0,35		--	-X0.1	Foro uscita A
-W-X0.1	-X1	1	10 mm <sup>2</sup>	Puntalino		0,35		--	-X0.1	Foro uscita A
-W-X806	-X3	2	0,5 mm <sup>2</sup>	--	10	1,5	7		-X806	Uscita da "A"
-W-X806.1	-X3	2	0,5 mm <sup>2</sup>	--	10	1,5	7		-X806	Uscita da "A"

# Schema allacciamento morsetti

## Terminal-connection diagram

Destinazioni interne  
Internal targets



Destinazioni esterne  
External targets

Batteria  
Battery

II



Description

Morsettiera di potenza  
Power terminal strip

Code

3709306951ENG

Date

02/06/2021

Total

77

Prev

671

Next

673

Page

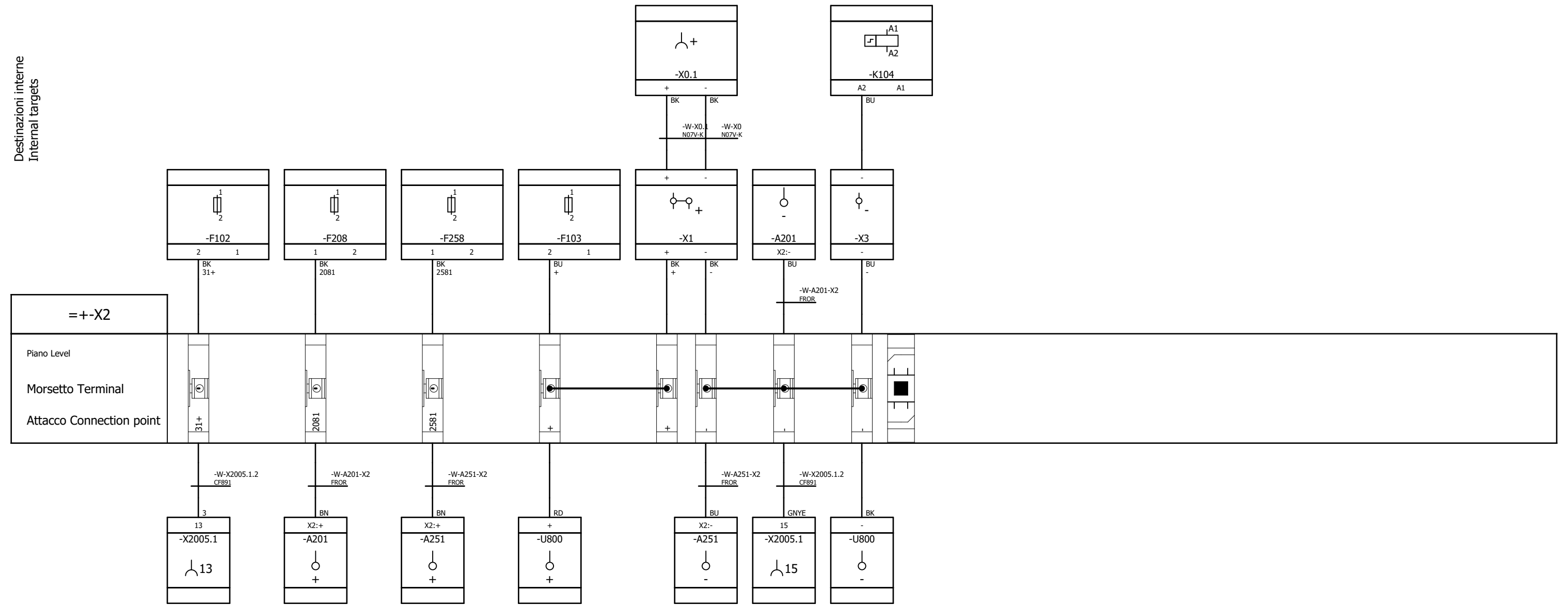
672

Machine

Robot S7 P3GS/PVS

# Schema allacciamento morsetti

## Terminal-connection diagram



Batteria  
Battery

Batteria  
Battery

Batteria  
Battery

|| || ||

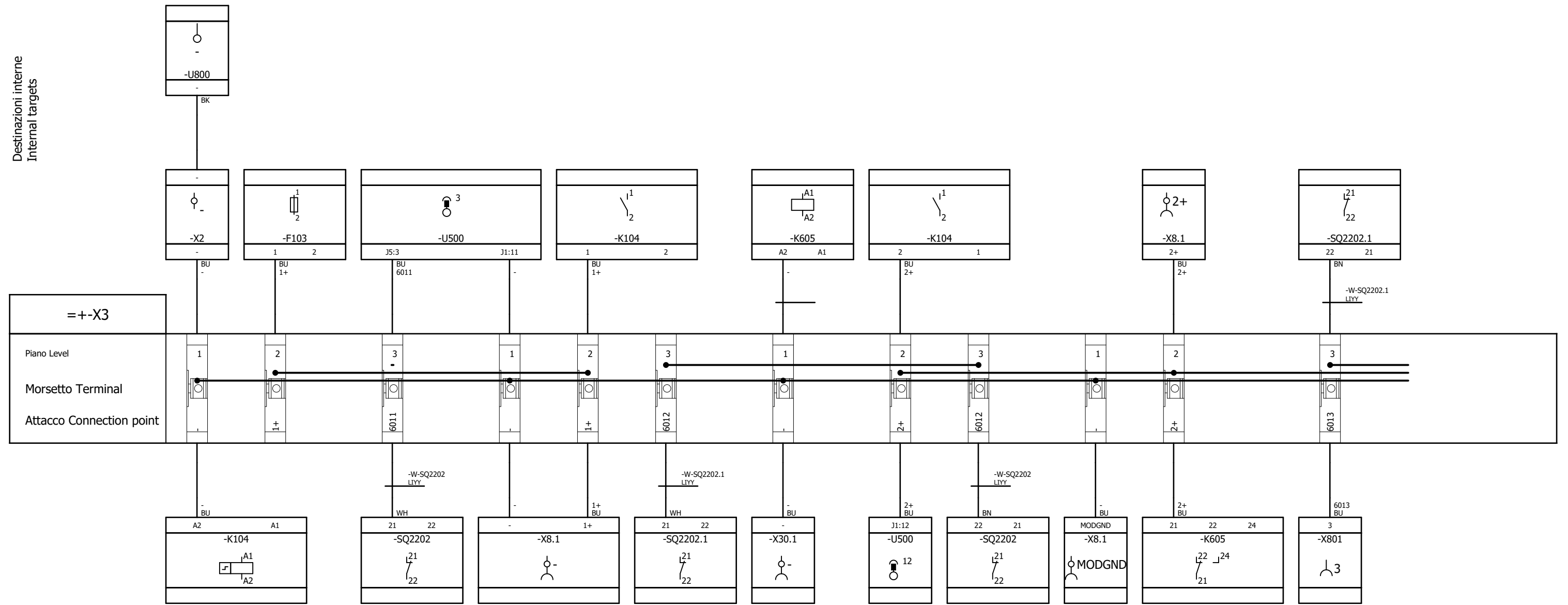


Description  
**Morsettiera di potenza**  
**Power terminalboard**

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	672	Next	674	Page	673
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento morsetti

## Terminal-connection diagram



Batteria  
Battery

||

Emergenza paraurti  
Shock-absorber emergency

Batteria  
Battery

||

Batteria  
Battery

Batteria  
Battery

Emergenza paraurti  
Shock-absorber emergency

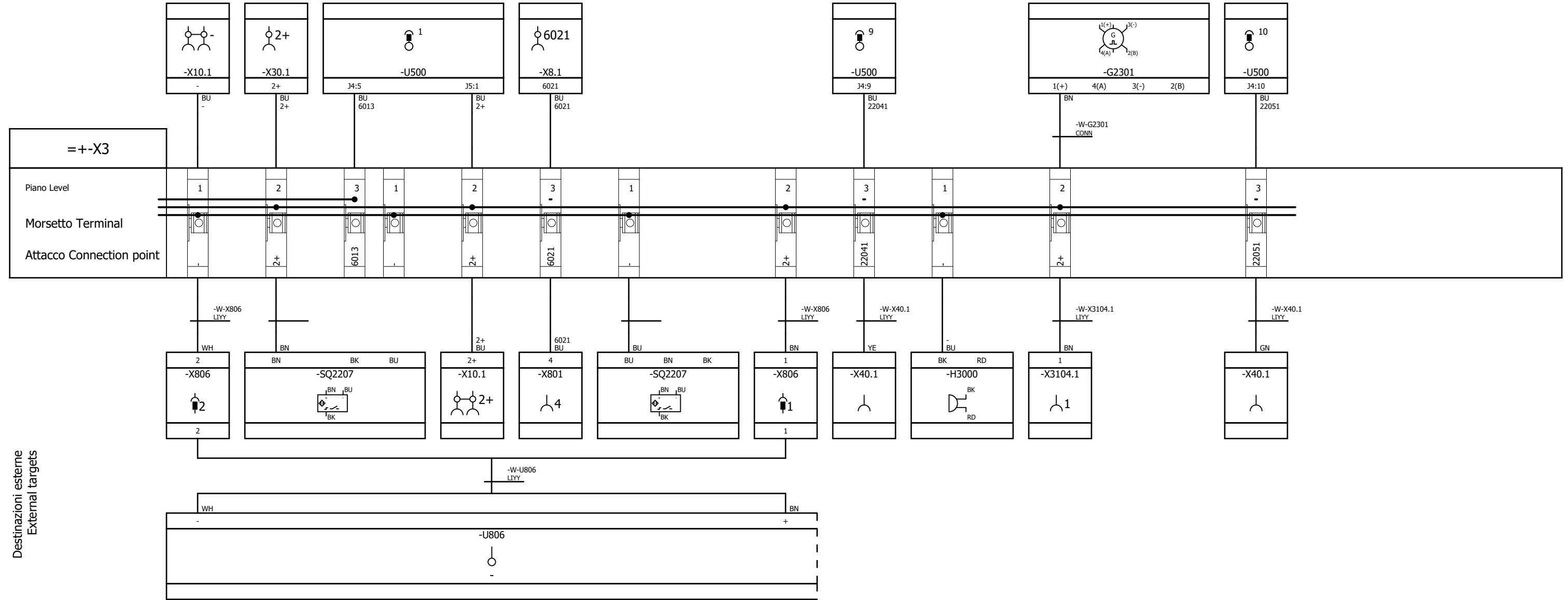
Batteria  
Battery

||

# Schema allacciamento morsetti

## Terminal-connection diagram

Destinazioni interne  
Internal targets



Destinazioni esterne  
External targets

- Batteria Battery
- ||
- Emergenza paraurti Shock-absorber emergency
- Batteria Battery
- ||
- Emergenza Emergency stop
- Allarme timone Tiller alarm
- Batteria Battery
- Manuale avanti Forward manual
- Allarme timone Tiller alarm
- Emergenza paraurti Shock-absorber emergency
- Manuale indietro Backward manual

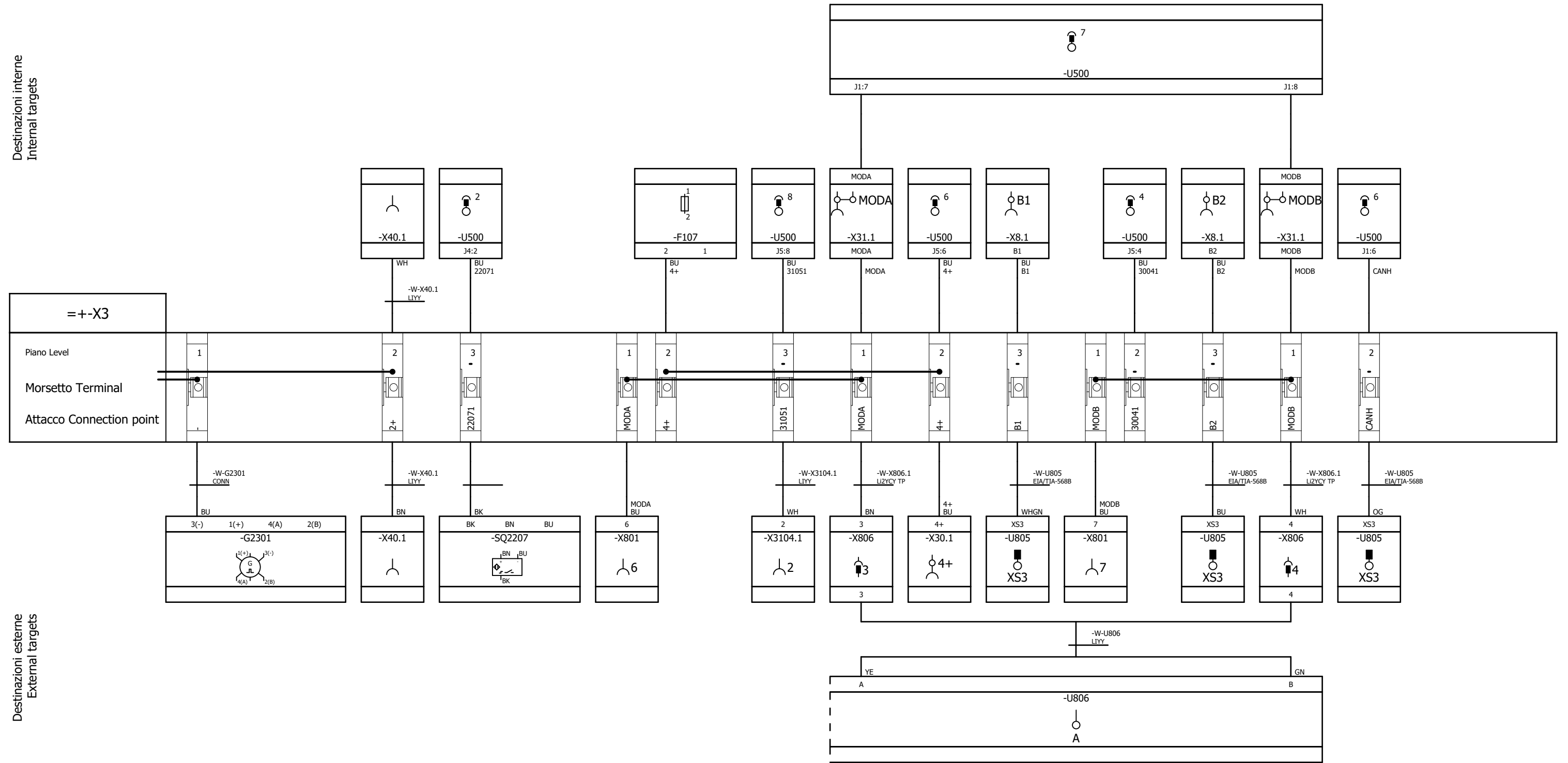


Description	Morsettiera ausiliari Aux terminal strip
-------------	---

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	674	Next	676	Page	675
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento morsetti

## Terminal-connection diagram



Motore trazione  
Traction motor

Manuale avanti  
Forward manual

Allarme timone  
Tiller alarm

Batteria  
Battery

Luce blu  
Blue light

Batteria  
Battery

Batteria Litio  
Lithium Battery

Riserva  
Spare

Batteria Litio  
Lithium Battery

Batteria Litio  
Lithium Battery

Description

Morsettiera ausiliari  
Aux terminal strip

Code

3709306951ENG

Date

02/06/2021

Total

77

Prev

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Next

677

Page

676

Machine

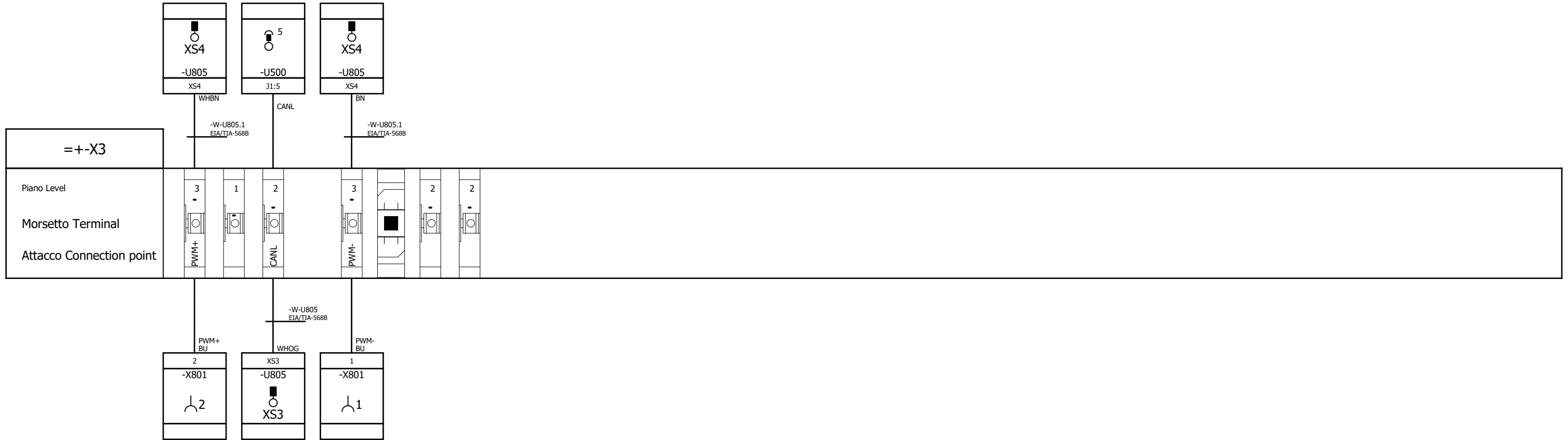
Robot S7 P3GS/PVS



# Schema allacciamento morsetti

## Terminal-connection diagram

Destinazioni interne  
Internal targets



Destinazioni esterne  
External targets

Carica Batteria  
Battery charger

Batteria Lito  
Lithium Battery

Carica Batteria  
Battery charger



Description

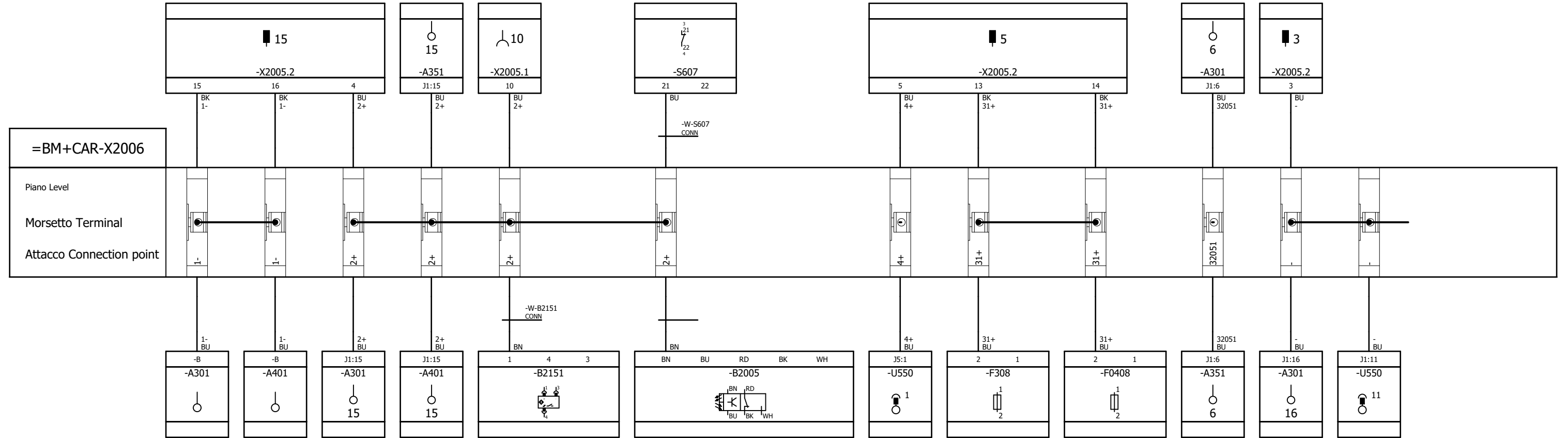
Morsettiera ausiliari  
Aux terminal strip

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	676	Next	678	Page	677
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento morsetti

## Terminal-connection diagram

Destinazioni interne  
Internal targets



Destinazioni esterne  
External targets

Finecorsa basso  
Down Limit switch

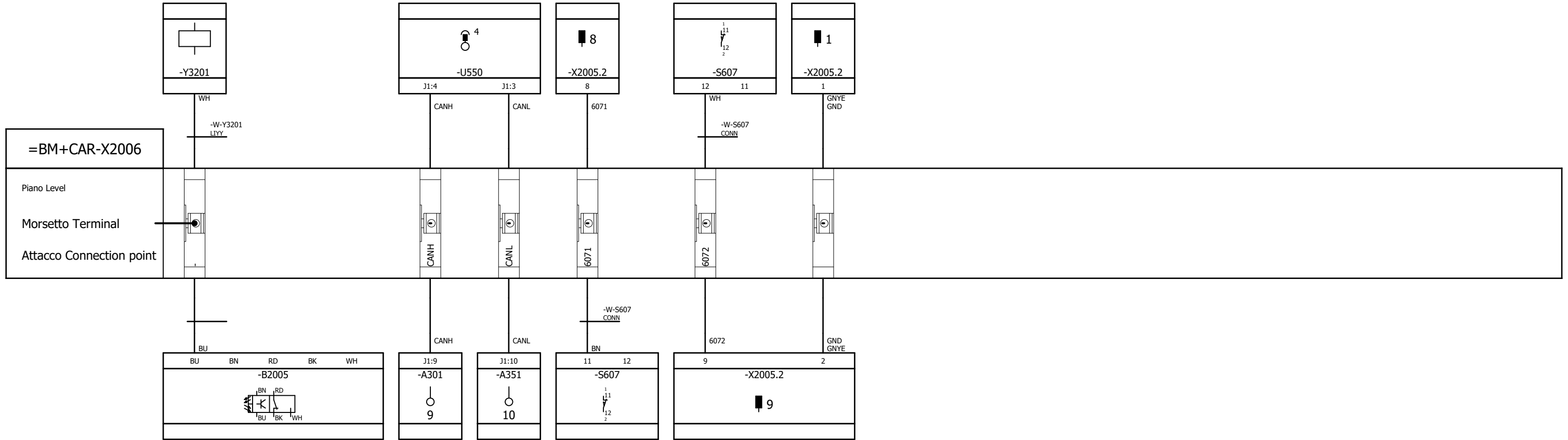
Finecorsa basso  
Down Limit switch

Taglio film  
Film cut

# Schema allacciamento morsetti

## Terminal-connection diagram

Destinazioni interne  
Internal targets



Destinazioni esterne  
External targets

Fotocellula altezza prodotto  
Height product photocelle

Contattore emergenza  
Emergency contactor

Contattore emergenza  
Emergency contactor

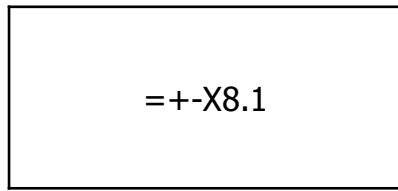


Description

Morsettiera ausiliari  
Aux terminal strip

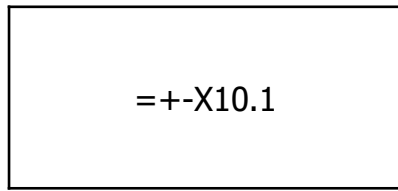
Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	678	Next	680	Page	679
Machine	Robot S7 P3GS/PVS										

# Schema sequenza morsetti (connettori) Terminal line-up diagram (connectors)



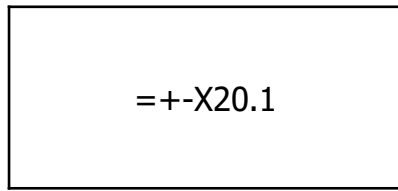
P2		P1	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	B2	<input type="checkbox"/> B1
<input type="checkbox"/>	<input type="checkbox"/>	1071	<input type="checkbox"/> 1+
<input type="checkbox"/>	<input type="checkbox"/>	6021	<input type="checkbox"/> 2+
<input type="checkbox"/>	<input type="checkbox"/>	6041	<input type="checkbox"/> 5+
<input type="checkbox"/>	<input type="checkbox"/>	10011	<input type="checkbox"/> -
<input type="checkbox"/>	<input type="checkbox"/>	10041	<input type="checkbox"/> MODA
<input type="checkbox"/>	<input type="checkbox"/>	10051	<input type="checkbox"/> MODB
<input type="checkbox"/>	<input checked="" type="checkbox"/>	GND	<input type="checkbox"/> MODGND

# Schema sequenza morsetti (connettori) Terminal line-up diagram (connectors)



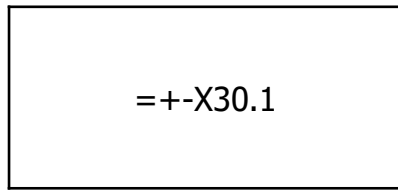
		P2		P1	
		2+	<input type="radio"/>	2+	<input type="radio"/>
		-	<input type="radio"/>	-	<input type="radio"/>
		CANH	<input type="radio"/>	CANH	<input type="radio"/>
		CANL	<input type="radio"/>	CANL	<input type="radio"/>
		SH	<input type="radio"/>	SH	<input type="radio"/>

# Schema sequenza morsetti (connettori) Terminal line-up diagram (connectors)



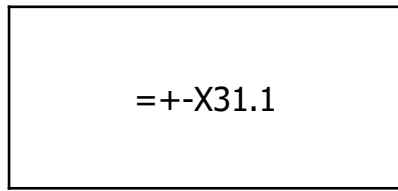
P2		P1	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	31061	2+
<input type="checkbox"/>	<input checked="" type="checkbox"/>	31081	31071

# Schema sequenza morsetti (connettori) Terminal line-up diagram (connectors)

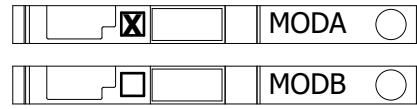


P2		P1	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	6071	2+
<input type="checkbox"/>	<input type="checkbox"/>	6072	4+
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SH	-
<input type="checkbox"/>	<input type="checkbox"/>	GND	

# Schema sequenza morsetti Terminal line-up diagram



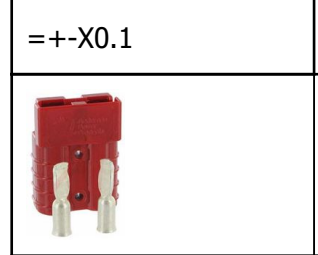
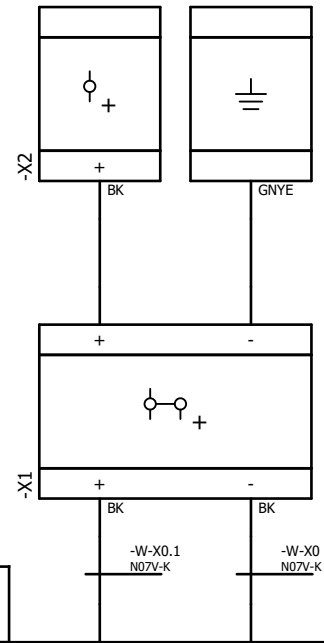
P1



# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Batteria  
Battery

II



Description

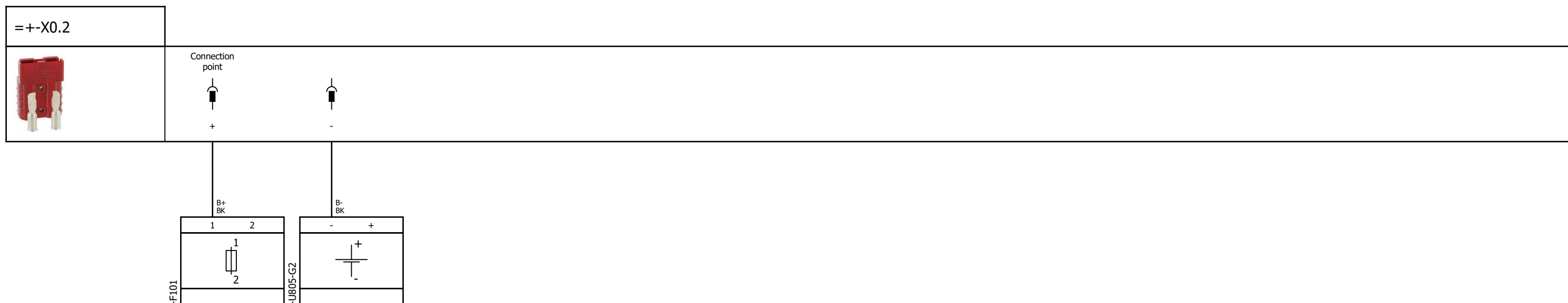
Connettore batteria  
Battery connectotr

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	684	Next	688	Page	687
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Batteria  
Battery

Batteria  
Battery



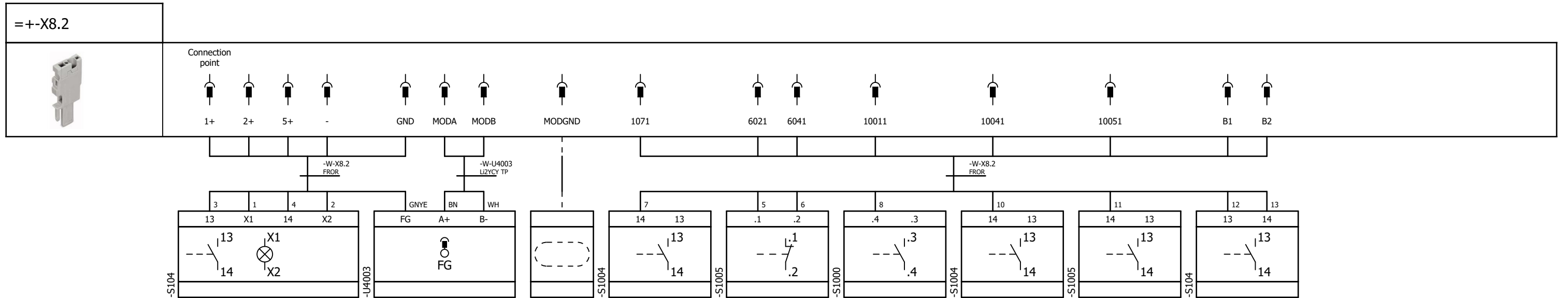
Description  
Connettore batteria  
Battery connecotr

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	687	Next	689	Page	688
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Batteria Battery					Relè di sicurezza Safety relay	Emergenza Emergency stop		Start Start	RESET Reset	Fungo emergenza Emergency mushroom	Batteria Battery	
---------------------	--	--	--	--	-----------------------------------	-----------------------------	--	----------------	----------------	---------------------------------------	---------------------	--



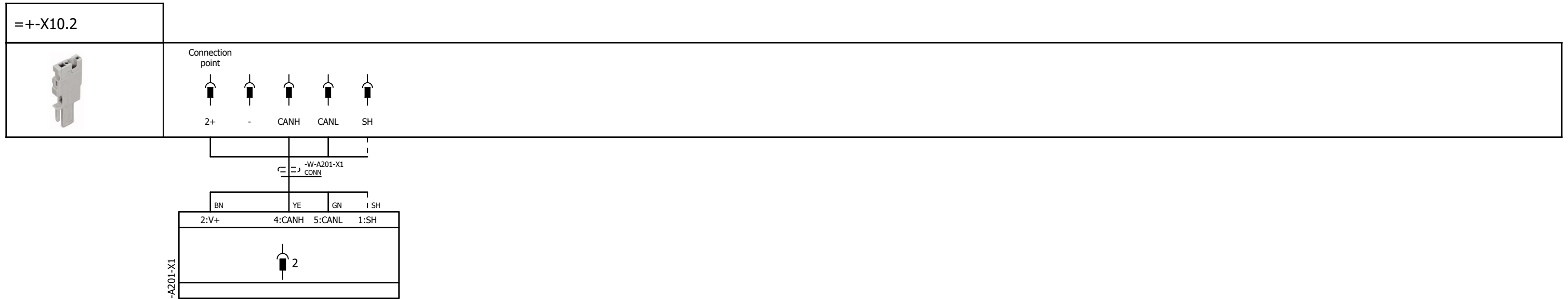
Description  
**Connettore pannello comandi**  
**Control panel connector**

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	688	Next	690	Page	689
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets

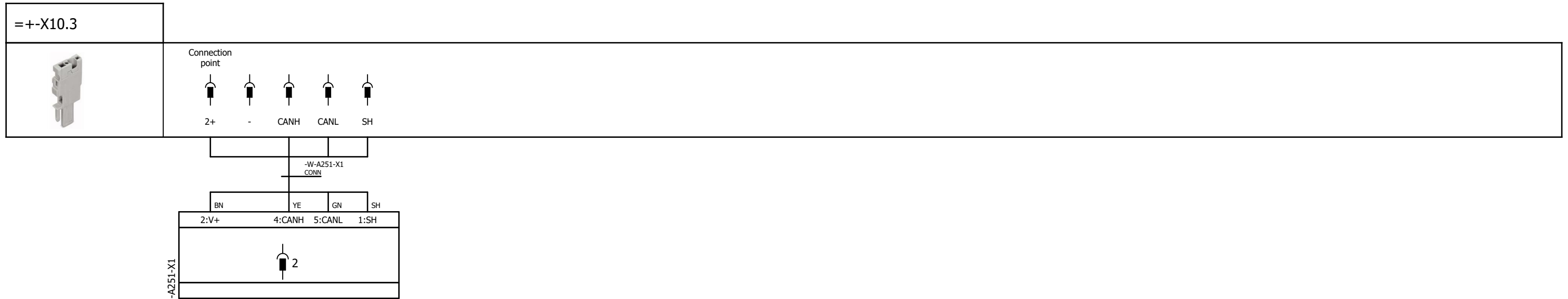


External targets

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets

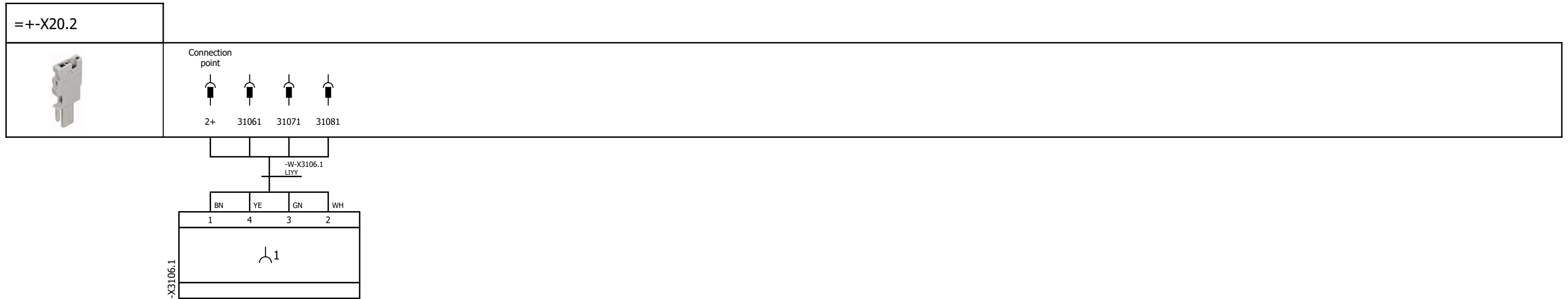


External targets

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Segnalatore ottico circolare  
Round indicator light

|| || ||



Description

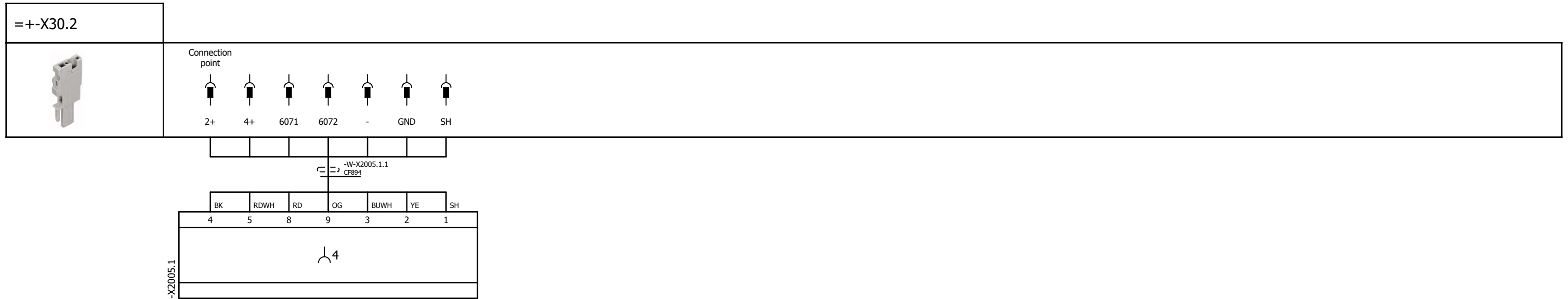
Connettore led  
Strip led connector

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	691	Next	693	Page	692
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Contattore emergenza  
Emergency contactor



Description

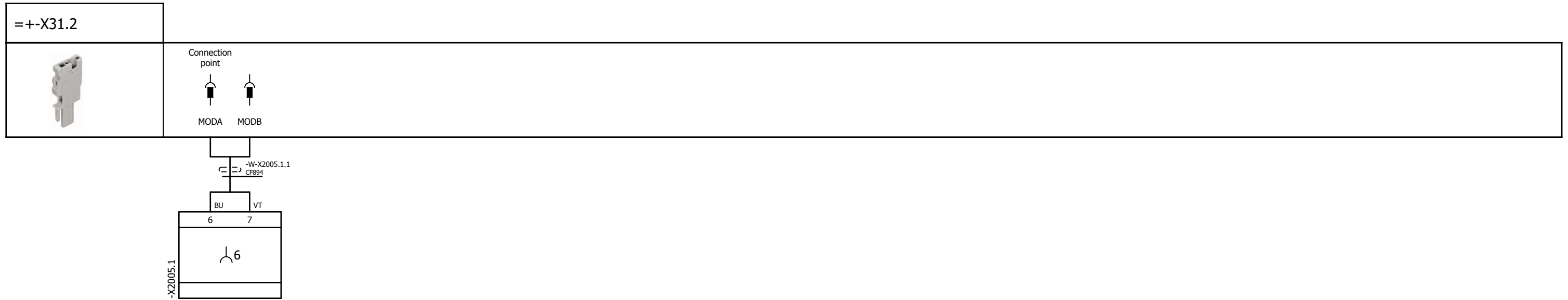
Connettore carrello  
Carriage connector

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	692	Next	694	Page	693
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets

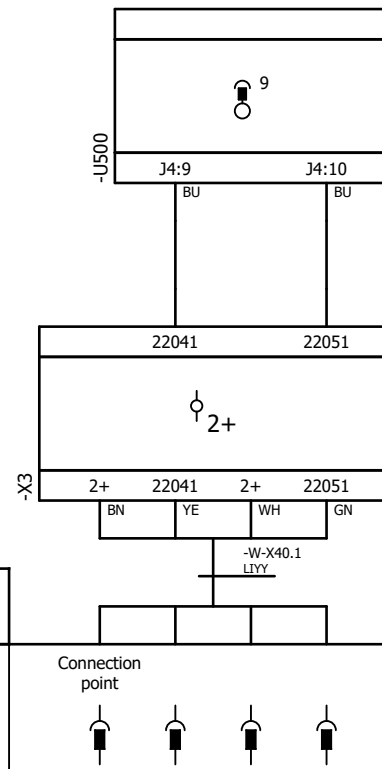


External targets

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



=+-X40.1



External targets

Manuale avanti  
Forward manual  
||  
Manuale indietro  
Backward manual  
||

Description

Manuale avanti  
Forward manual

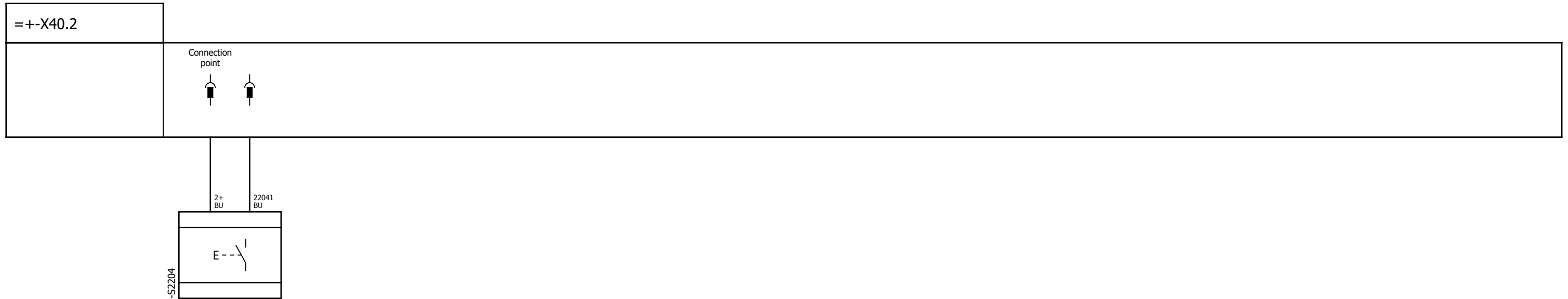
Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	694	Next	696	Page	695
Machine	Robot S7 P3GS/PVS										



# Schema allacciamento connettori

## Pin-connection diagram

Internal targets

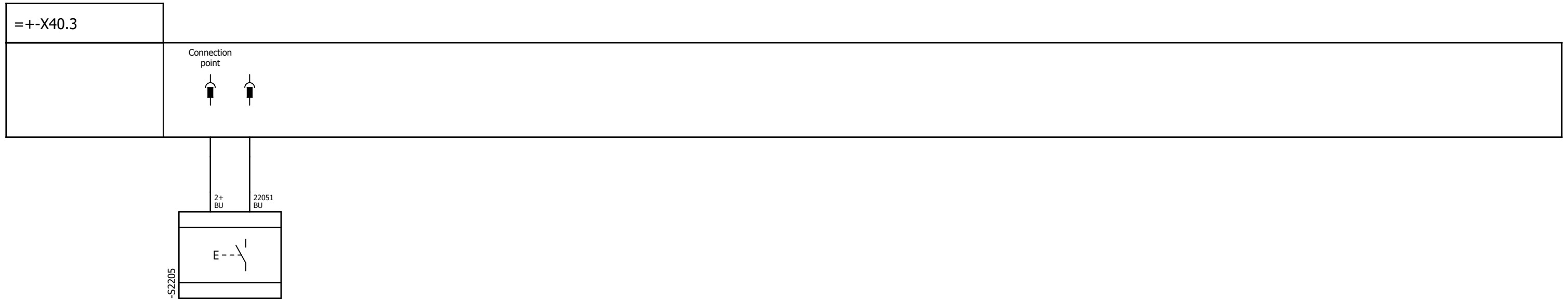


External targets

Manuale avanti  
Forward manual  
II

# Schema allacciamento connettori Pin-connection diagram

Internal targets



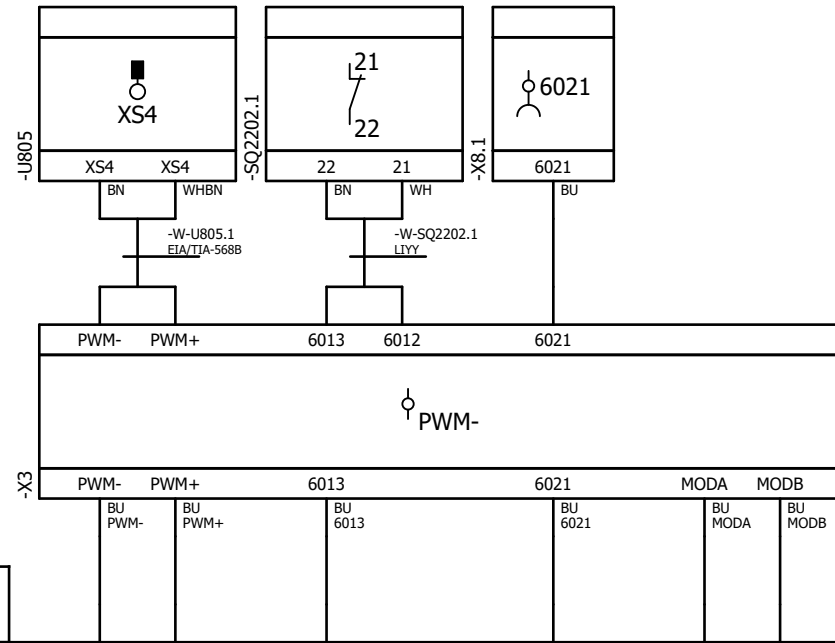
External targets

Manuale indietro  
Backward manual  
II

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



=+-X801



External targets

Carica Batteria Battery charger			Carica Batteria Battery charger			Carica Batteria Battery charger		
------------------------------------	--	--	------------------------------------	--	--	------------------------------------	--	--



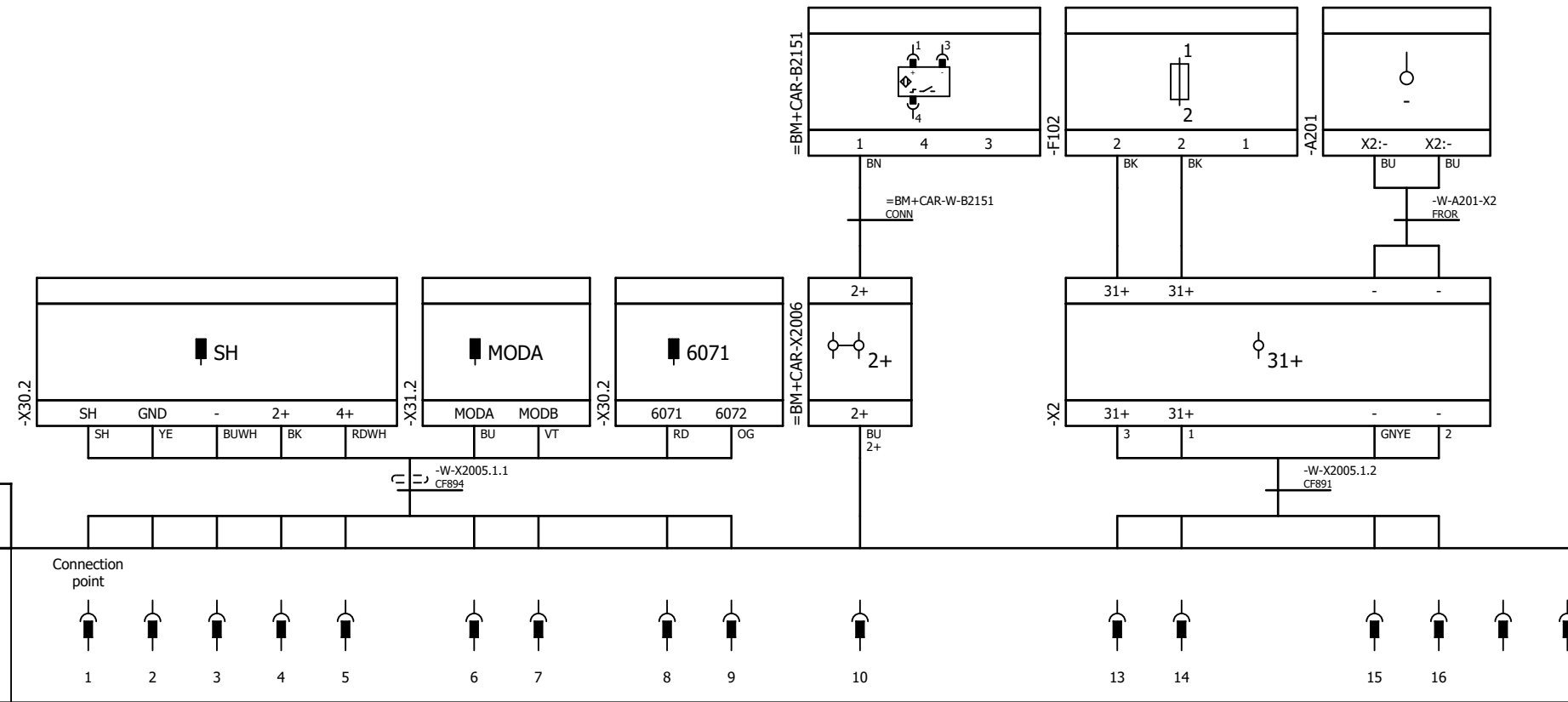
Description	Carica Batteria Battery charger
-------------	------------------------------------

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	697	Next	699	Page	698
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

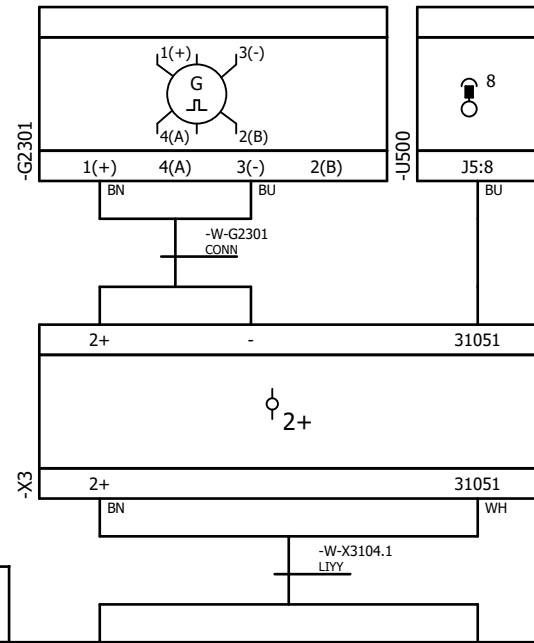
Contattore emergenza  
Emergency contactor

Fincorsa basso  
Down Limit switch

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



=+-X3104.1



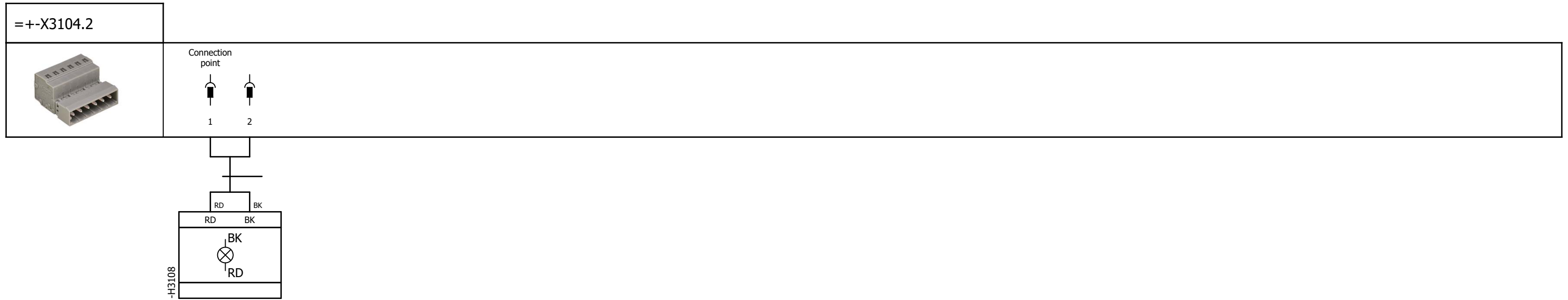
External targets

Luce blu  
Blue light

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Luce blu  
Blue light



Description

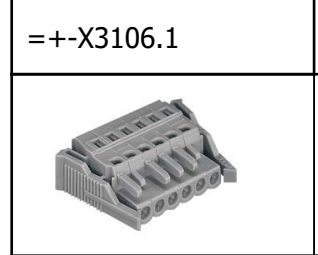
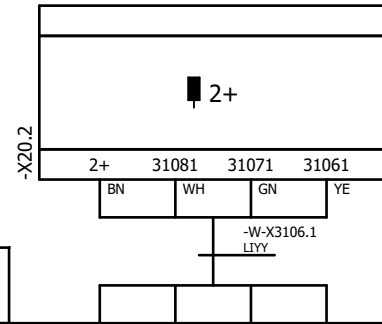
Luce blu  
Blue light

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	700	Next	702	Page	701
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

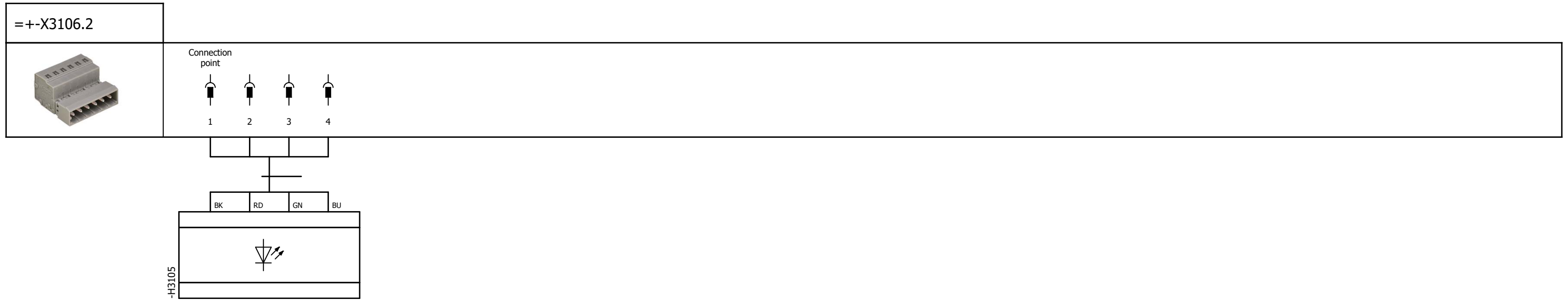
Segnalatore ottico circolare  
Round indicator light

|| || ||

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Segnalatore ottico circolare  
Round indicator light

|| || ||



Description  
Connettore led  
Strip led connector

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	702	Next	704	Page	703
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets

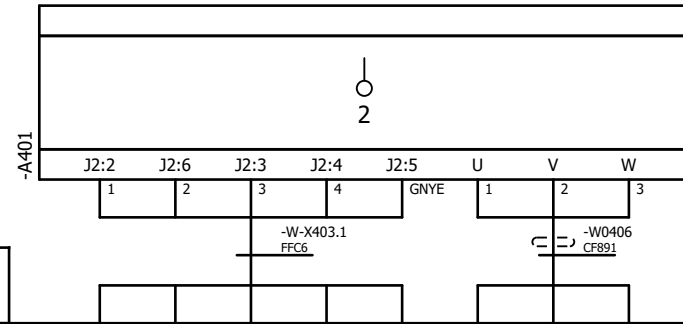


External targets

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



=BM+CAR-X403.1



External targets

Motore cordonatore  
Rope device motor

II



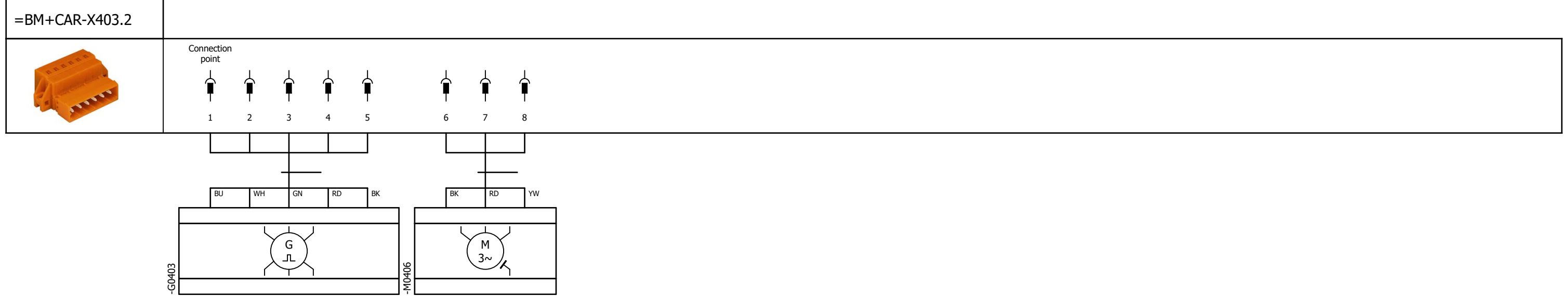
Description	Cordonatore Roping device
-------------	------------------------------

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	704	Next	706	Page	705
Machine	Robot S7 P3GS/PVS										

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Motore cordonatore  
Rope device motor



Description

Cordonatore  
Roping device

Code

3709306951ENG

Date

02/06/2021

Total

77

Prev

705

Next

707

Page

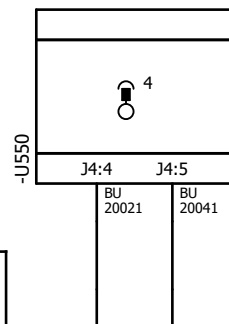
706

Machine

Robot S7 P3GS/PVS

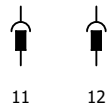
# Schema allacciamento connettori Pin-connection diagram

Internal targets



=BM+CAR-X2005.1

Connection point



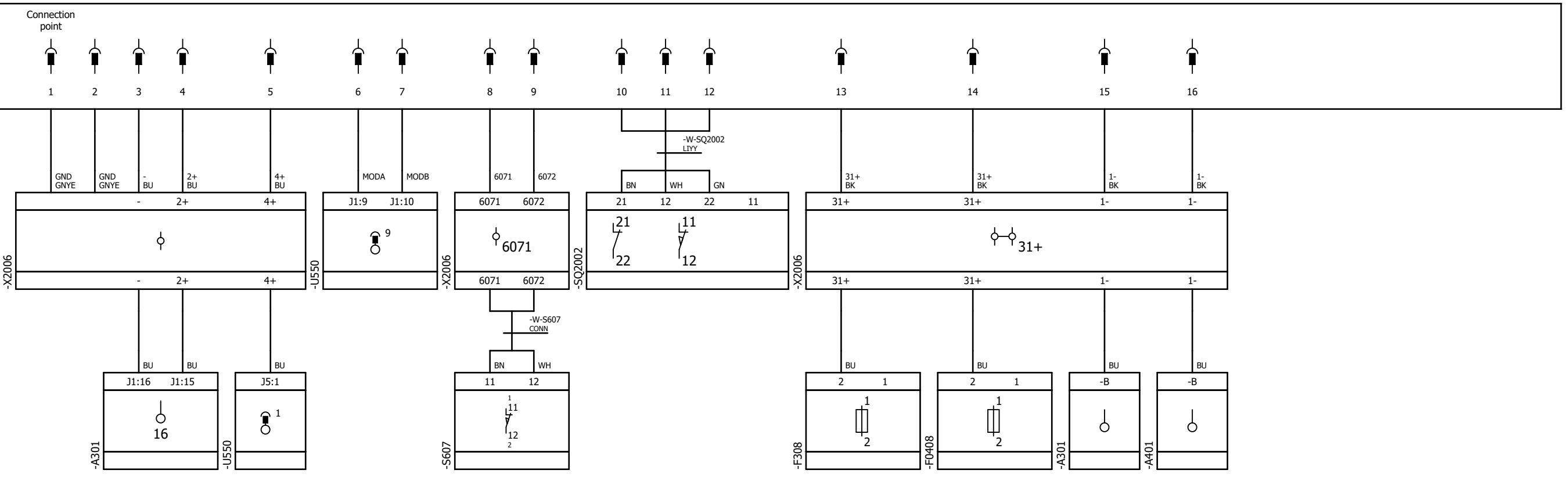
External targets

Finecorsa alto  
High Limit switch  
Finecorsa basso  
Down Limit switch

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Contattore emergenza  
Emergency contactor  
||

Fincorsa basso  
Down Limit switch  
Fincorsa alto  
High Limit switch  
Fincorsa basso  
Down Limit switch

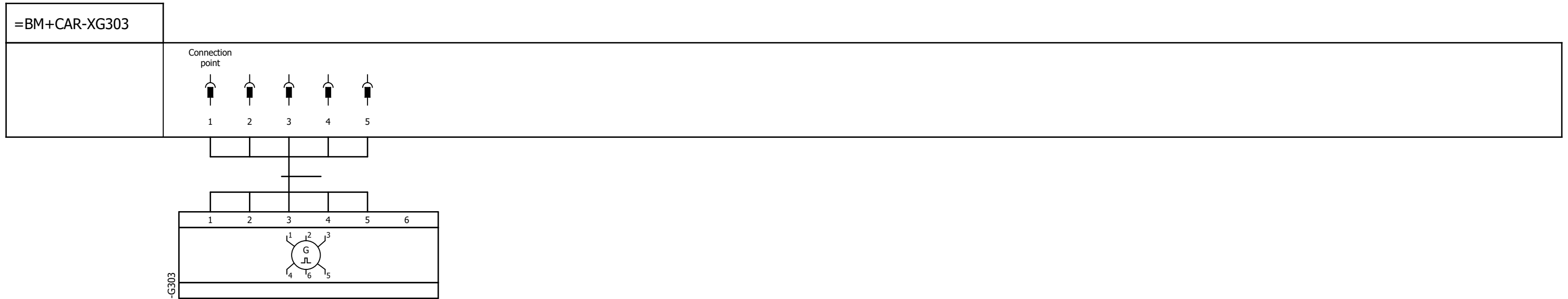


Description  
**Connettore carrello**  
**Carriage connector**

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	707	Next	709	Page	708
Machine	Robot S7 P3GS/PVS										


# Schema allacciamento connettori Pin-connection diagram

Internal targets



External targets

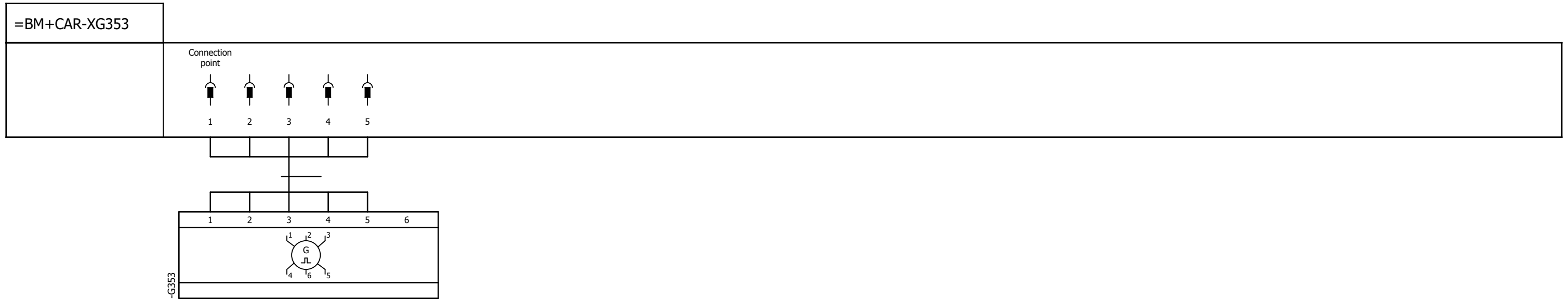
Motore svolgimento film  
Unrolling film motor

	Description <b>Motore svolgimento film Unrolling film motor</b>	Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	708	Next	710	Page
		Machine	Robot S7 P3GS/PVS									

# Schema allacciamento connettori

## Pin-connection diagram

Internal targets



External targets

Motore Prestiro  
Prestretch motor

Description

Motore Prestiro  
Prestretch motor

Code	3709306951ENG	Date	02/06/2021	Total	77	Prev	709	Next		Page	710
Machine	Robot S7 P3GS/PVS										

