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 47892 Gualdicciolo
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 Repubblica di San Marino

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

Ecoplat Frd

Numero Matricola
 Machine Serial Number
 Maschine Kennnummer
 Numero de Matricule
 Numero de Matricula

Tensione di alimentazione
 Power Supply Voltage
 Spannungsversorgung
 Voltage electrique
 Tension de Alimentacion

230 V 50 Hz
1 Ph + N

Potenza Installata
 Installed Power
 Installierte Leistung
 Puissance installée
 Potencia Instalada

Ø 1500 mm
1,2 kW
 Ø 1650 mm
1,5 kW

Corrente Assorbita
 Absorbed Current
 Stromaufnahme
 Absorption Electrique
 Absorcion

Ø 1500 mm
8,5 A
 Ø 1650 mm
9,7 A

For Robopac Use Only

Control cabinet code

7450306292GREZZO

Revision index

01

Bill number

02692

Costruire secondo specifica tecnica 50.1.1
 Controllare con scheda di collaudo

7450306292GREZZO_Frd

Edited by

V. Savioli

Checked by

M. Terenzi

Approved by

Laghi P.



Description

**Copertina
 Cover sheet**

Code

3709304766ENG

Date

16/04/2019

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Machine

Ecoplat Frd

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		S/N	7450306292GREZZO	
		Mod.	Ecoplat Frd	
		w.d.		
N.		Ref.		 Kg
Un	230 V	v	Ph	1 Ph + N
f			f	50 Hz
Hz				
In		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
-U201	Inverter Variable speed drives	INV01ROB_2	Robopac	1	1430300271	/20.1
-SQ206	Finecorsa Limit switch	FR-1630-M1	Pizzato	1	0001309638L	/20.6
-T501	Alimentatore switching Switched-mode power supply	787-1702	WAGO	1	00L0513037	/50.1
-U553	Logica Programmabile PLC	PLC03ROB	Robopac	1	1430300289	/55.3
-X2006	Presca USB USB socket	E2 1USB9CN0.8	Pizzato	1	00L0503446	/55.6
-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
-SQ608	Finecorsa Limit switch	MK-V11D09	Pizzato	1	0001310459	/60.8
-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
-S1002	Pulsante, piatto, nero, ad impulso Pushbutton actuator, flush, black, spring-return	M22-D-S	Eaton Moeller	1	0001300762B	/100.2
-S1002	Supporto per contatti Fixing adapter	M22-A	Eaton Moeller	1	0001300700A	/100.2
-S1002	Elementi di contatto, 1NC, Fissaggio frontale, Cage clamp Contact element, 1N/C, Front fixing, Cage clamp	M22-CK01	Eaton Moeller	1	0001300027C	/100.2
-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
-SA1007	Selettori a chiave, 2 posizioni, ad impulso Selector switch actuator, 2 Pos., spring-return	M22-WS	Eaton Moeller	1	0001300015G	/100.7
-SA1007	Supporto per contatti Fixing adapter	M22-A	Eaton Moeller	1	0001300700A	/100.7
-SA1007	Elementi di contatto, 2NA, Fissaggio frontale, Cage clamp Contact element, 2S, Front fixing, Cage clamp	M22-CK20	Eaton Moeller	1	0001318807L	/100.7
-SA1007	Elementi di contatto, 2NC, Fissaggio frontale, Cage clamp Contact element, 2Ö, Front fixing, Cage clamp	M22-CK02	Eaton Moeller	1	0001318808B	/100.7
-W-SQ2001	Cavo M12 4Poli Fem 5,0m M12 Cable 4P Fem 5,0m	M12 4P FEM 5,0M		1	0001313474	/200.0
-SQ2001	Sensore induttivo, M12 PNP NO Proximity switch, M12 PNP NO	AM6/AP-2H	Microdetectors	1	0202300001	/200.1
-X2001.1	Custodia con leva Mobile case	MK-VG20	Ilme	1	0001357358D	/200.1
-X2001.1	Frutto Femmina, 4poli + Gnd Female insert, 4P+GND	CKF 04	Ilme	1	0001353016D	/200.1
-X2001.2	Custodia con piolini Mobile case	MK-V20	Ilme	1	0001357351H	/200.1
-X2001.2	Frutto Maschio, 4poli + Gnd Male insert, 4P+GND	CKM 04	Ilme	1	0001353017F	/200.1
-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	Microdetectors	1	0001349497H	/200.7
-H3000	Buzzer	50.204003	Elektrosistem	1	0530300000	/300.0
-U4002	Scheda Card	DIS02ROB	Robopac	1	1430300293	/400.2
-U4005	Scheda Card	RJ_01ENC	Robopac	1	1430300125	/400.5
-M1	Cassetta elettrica Electric box		Robopac	1	4280300294GREZZO	/610.0
-M1	Lamiera portacomponenti Components plate		Robopac	1	4940302188	/610.0



Description

Distinta articoli
Parts list

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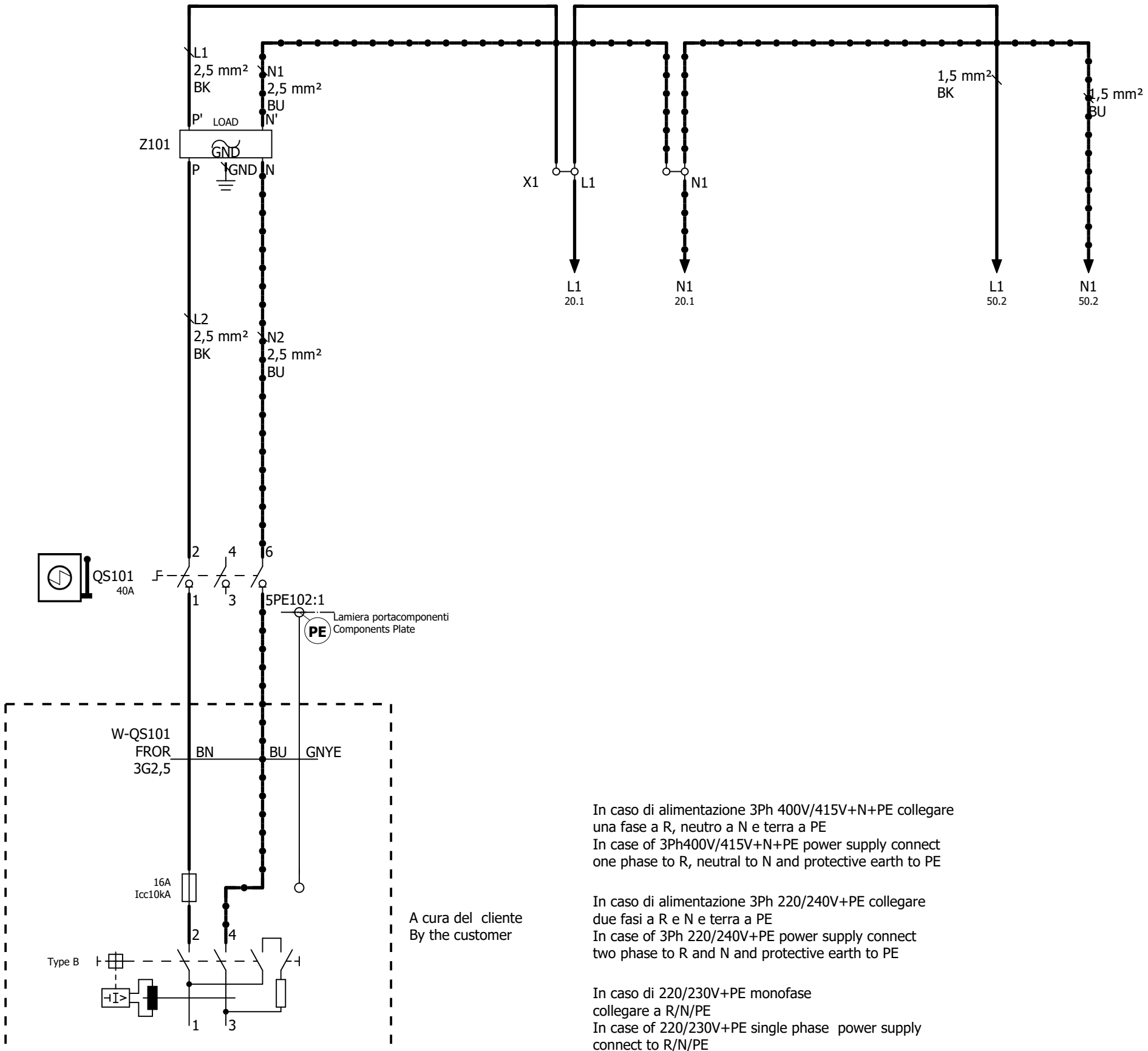
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Machine

Ecoplat Frd

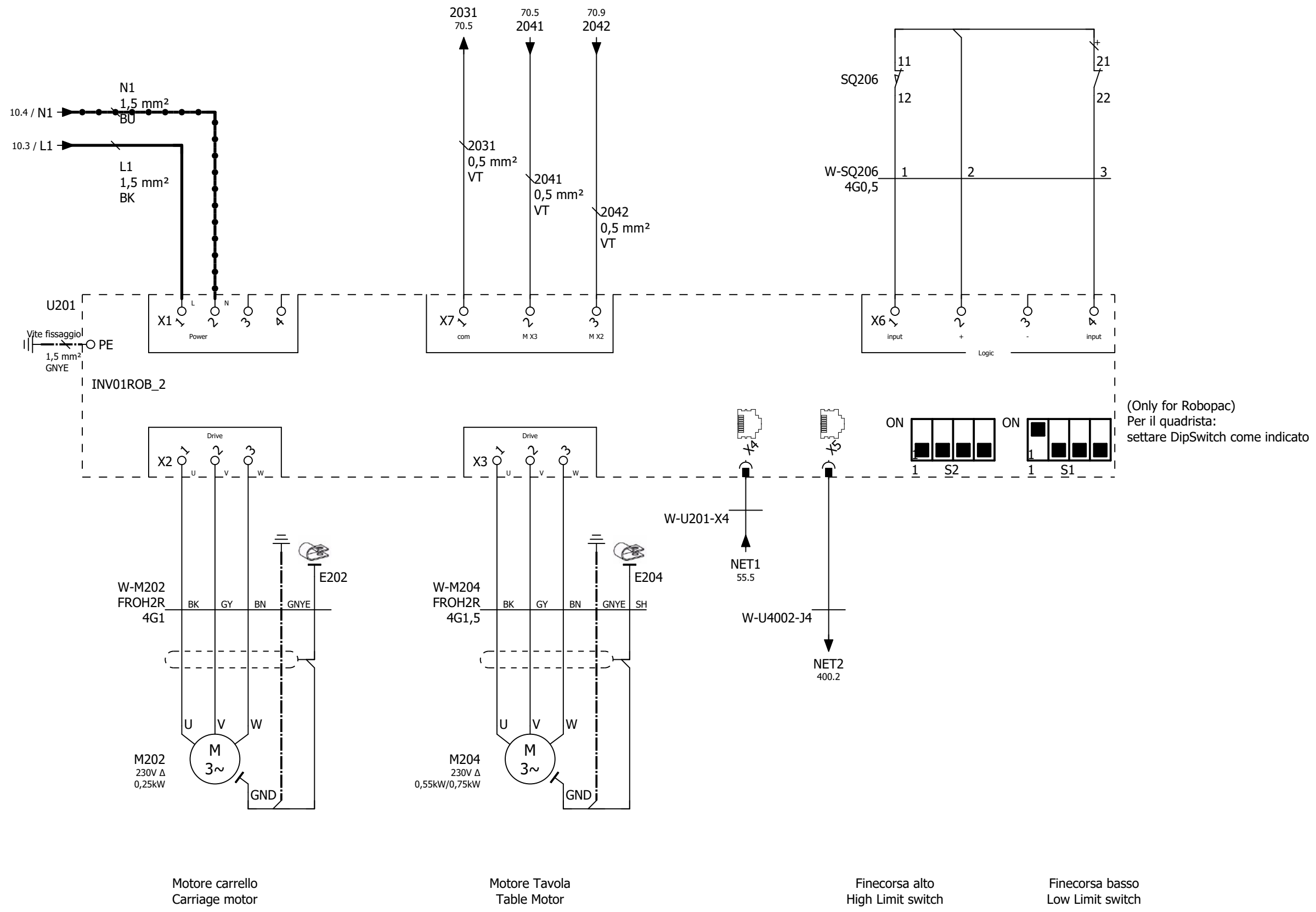


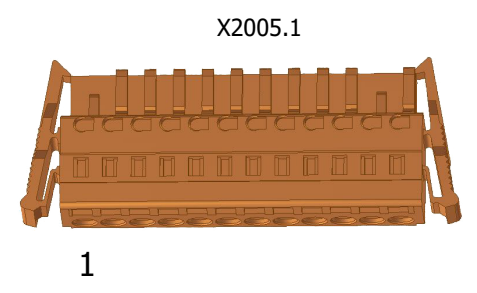
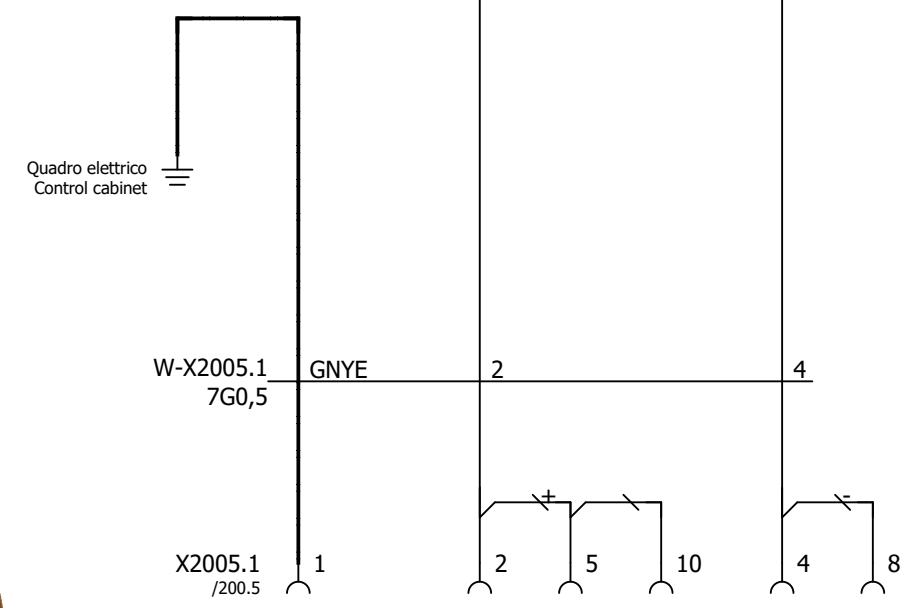
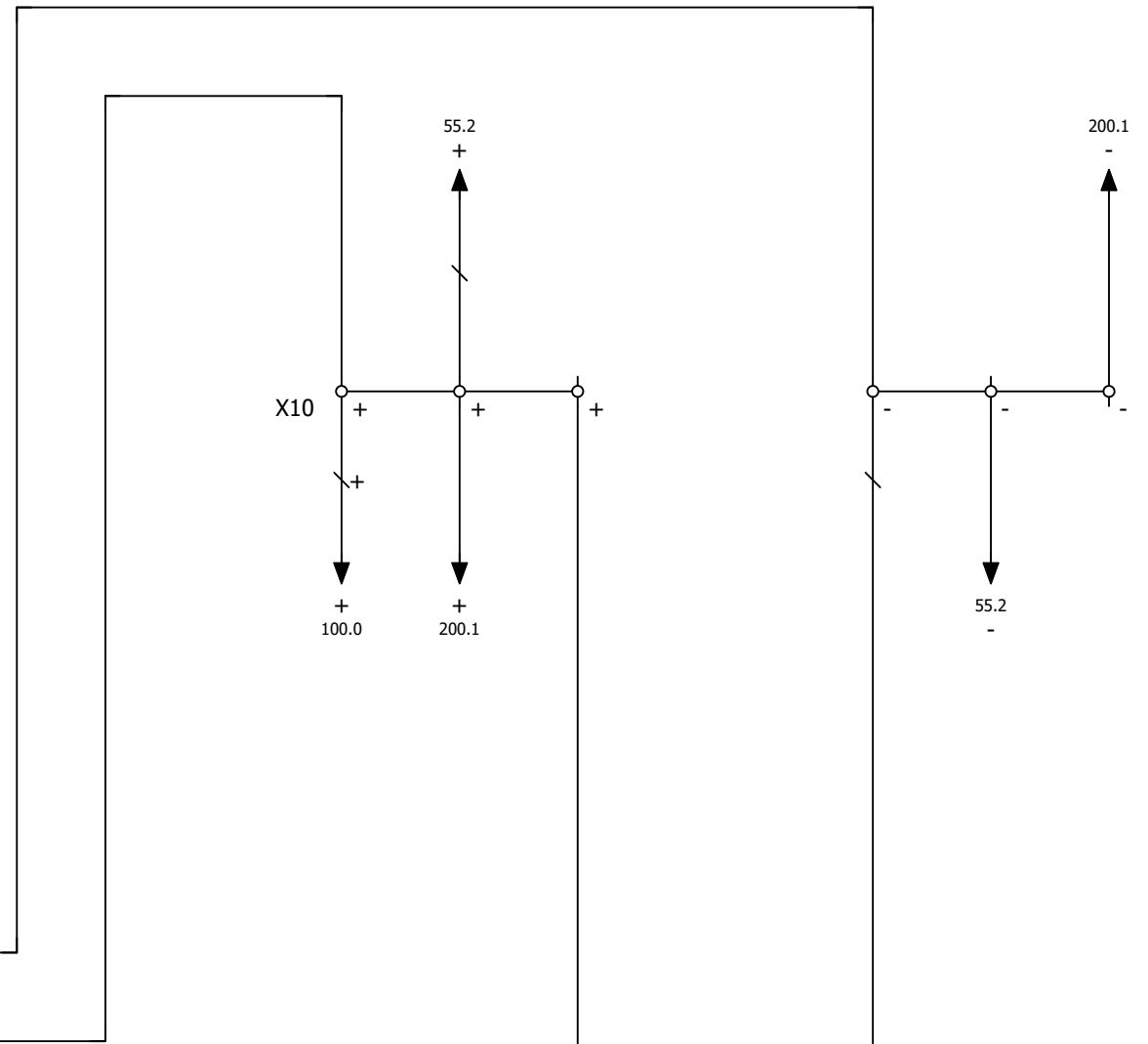
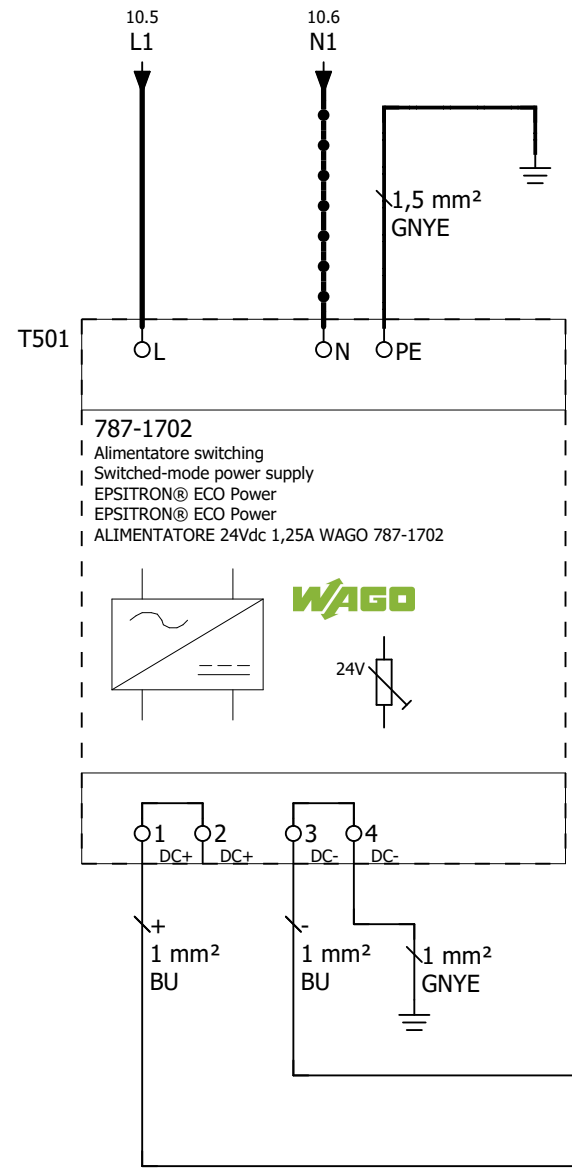
In caso di alimentazione 3Ph 400V/415V+N+PE collegare una fase a R, neutro a N e terra a PE
 In case of 3Ph400V/415V+N+PE power supply connect one phase to R, neutral to N and protective earth to PE

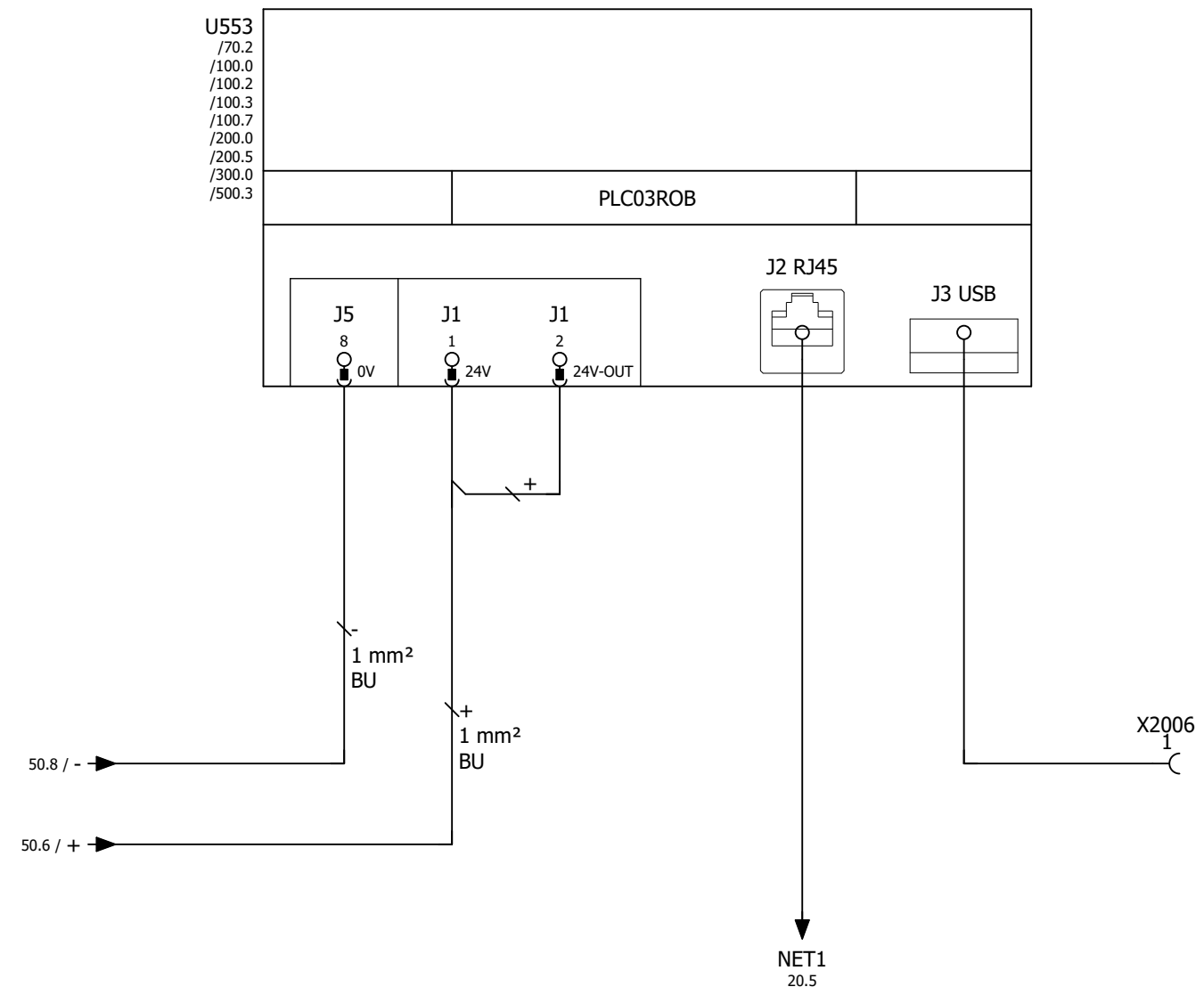
In caso di alimentazione 3Ph 220/240V+PE collegare due fasi a R e N e terra a PE
 In case of 3Ph 220/240V+PE power supply connect two phase to R and N and protective earth to PE

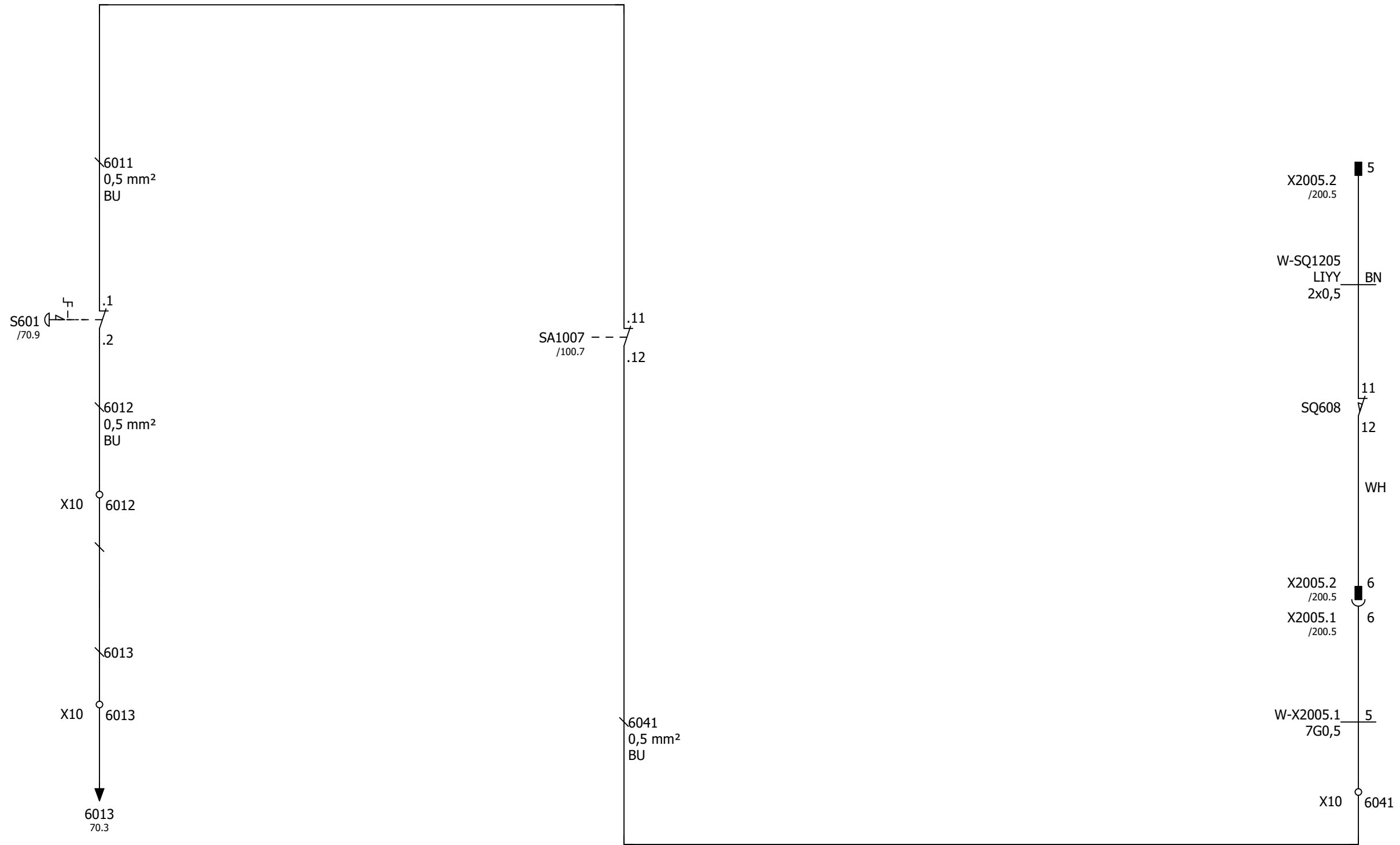
In caso di 220/230V+PE monofase collegare a R/N/PE
 In case of 220/230V+PE single phase power supply connect to R/N/PE

A cura del cliente
 By the customer









Emergenza
Emergency stop

Sospensione sicurezza
carrello
Carriage safety
exception

Finecorsa emergenza carrello
Carriage emergency Endstroke



Description

Circuito emergenza
Emergency circuit

Code 3709304766ENG

Date 16/04/2019

Total 29

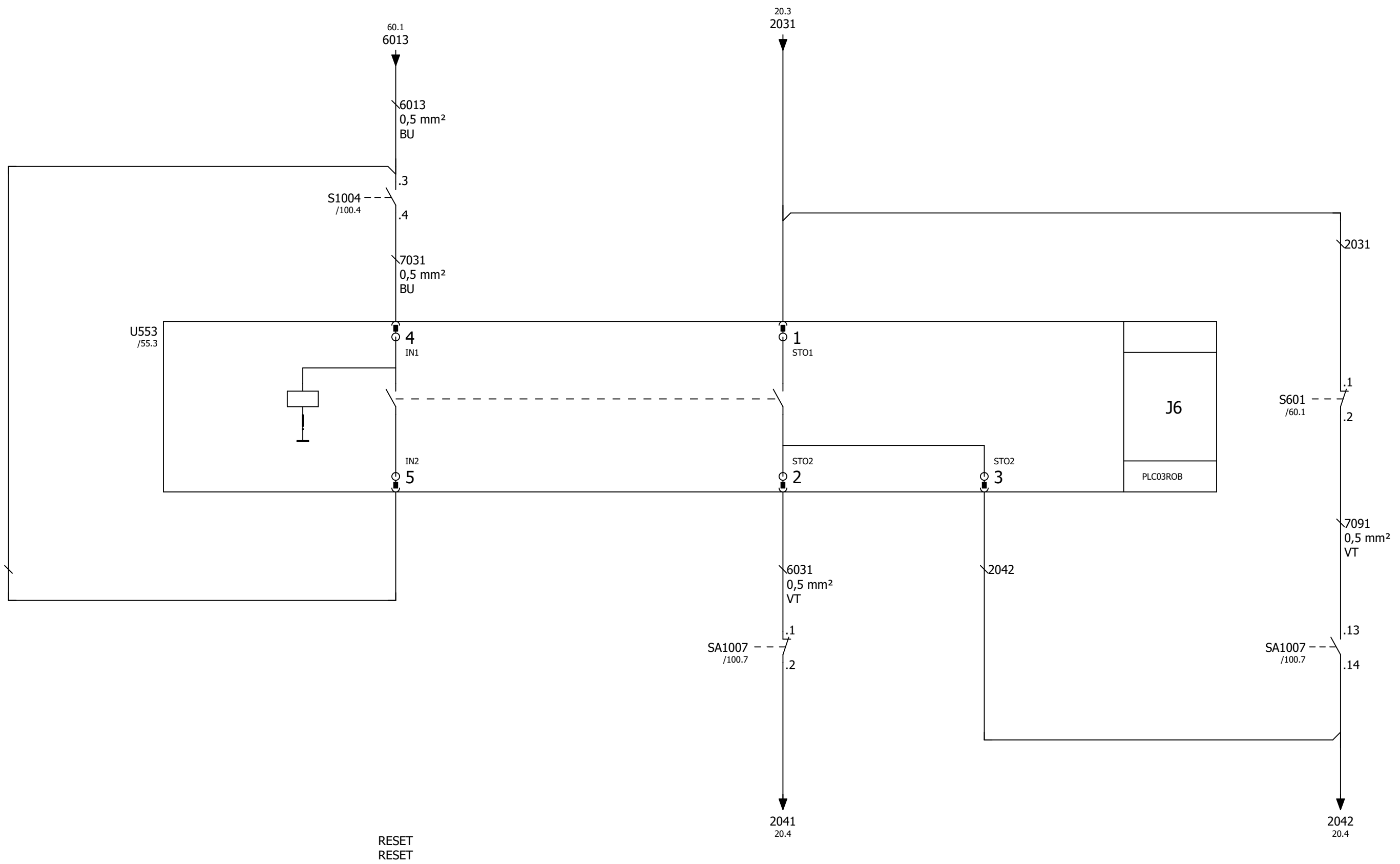
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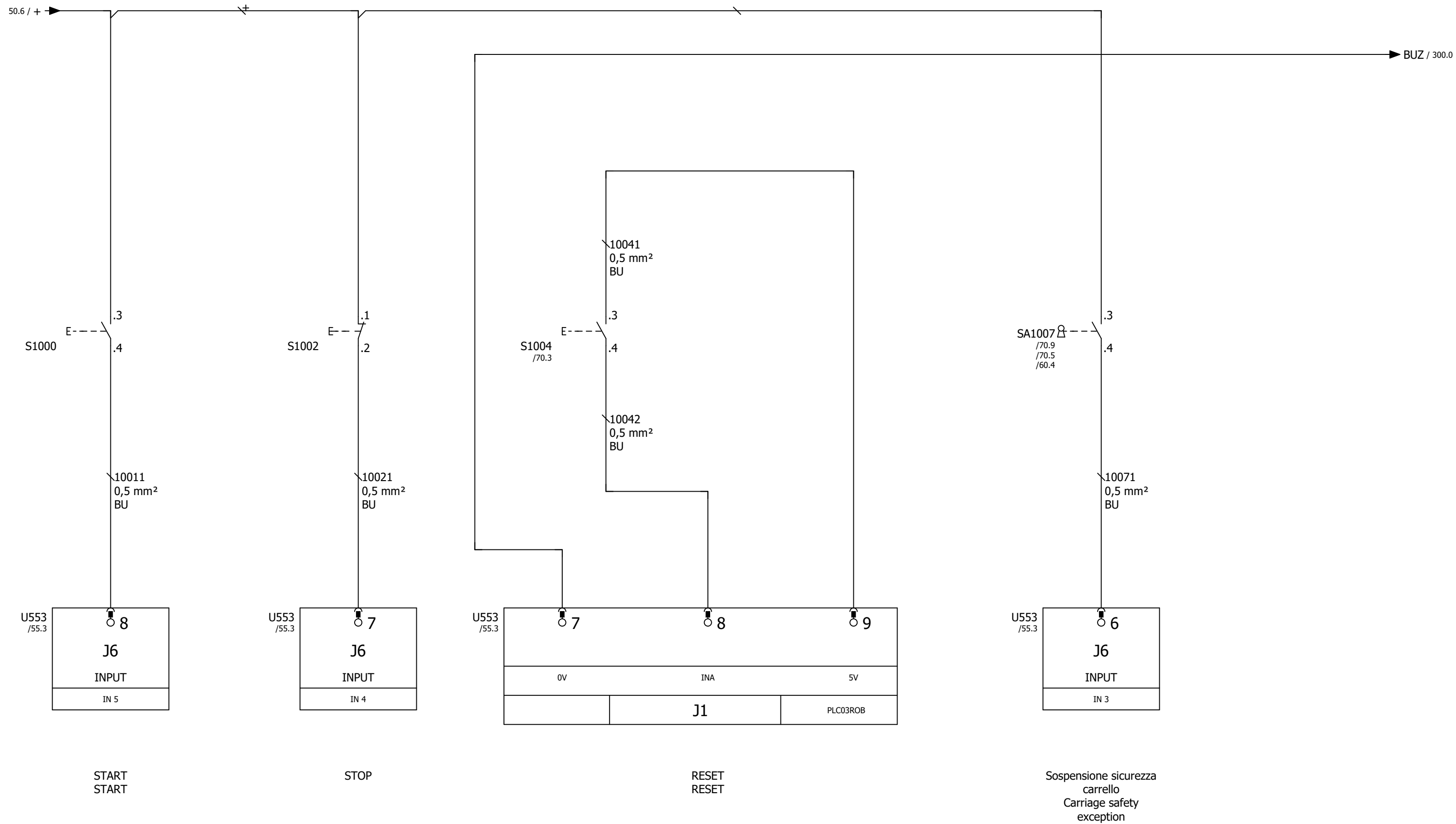
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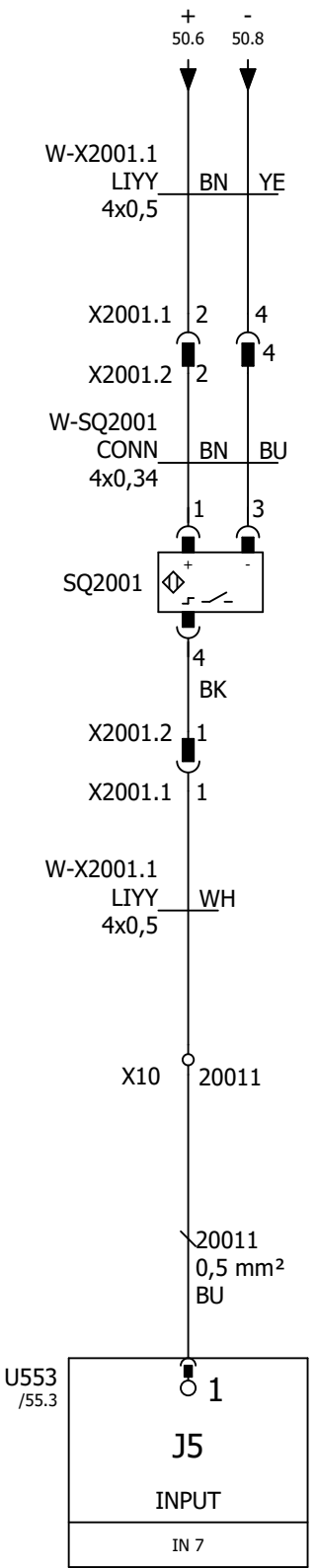


RESET
RESET

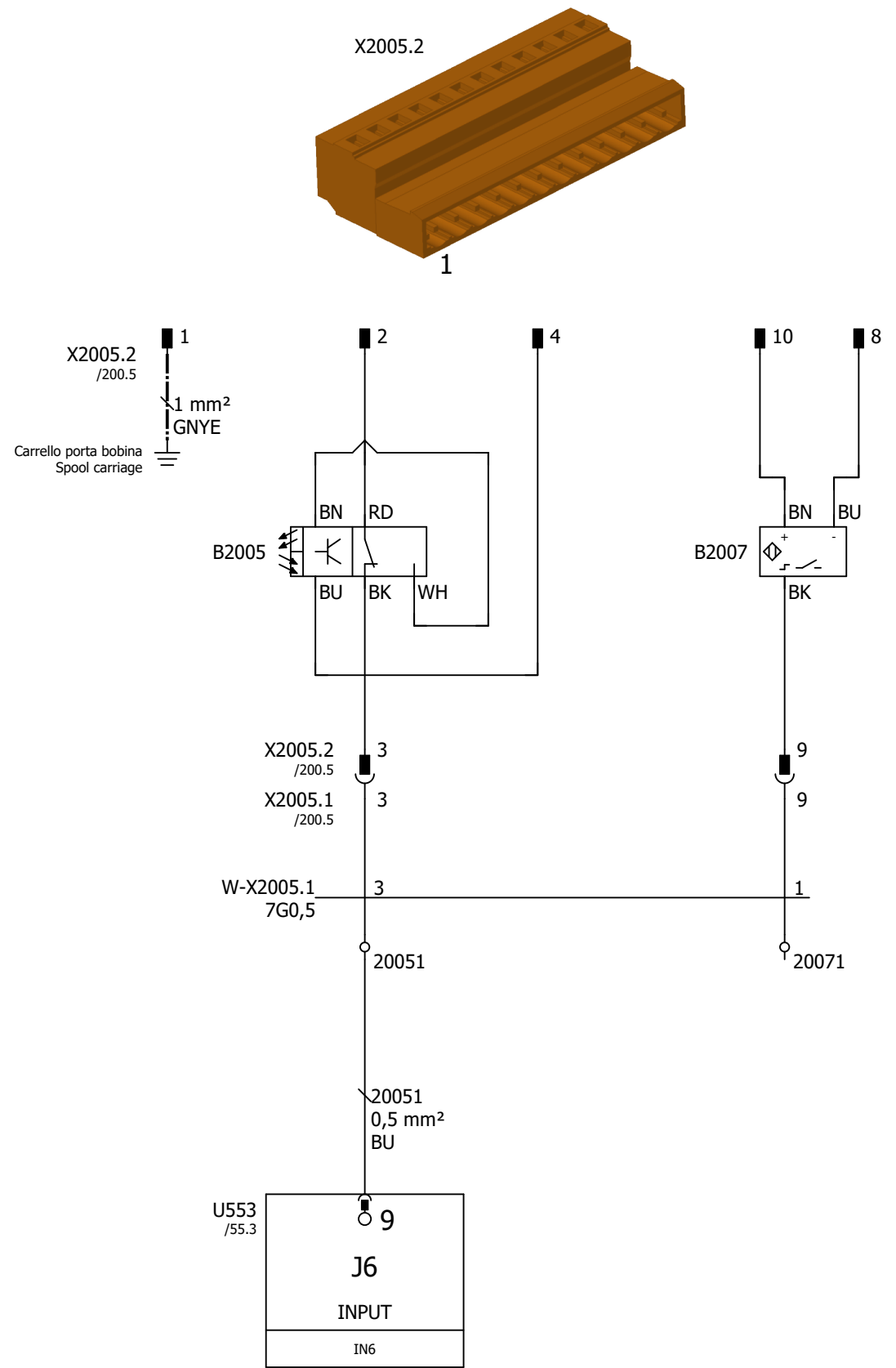
Sospensione sicurezza
carrello
Carriage safety
exception







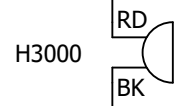
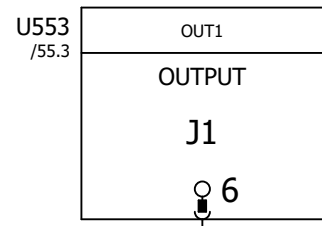
Fase tavola
Table Phase



Fotocellula altezza prodotto
Height product photocelle

Sensore svolgimento film
Film unwinding sensor

Opzione
Option



Sirena
Siren



Description

Uscite
Outputs

Code 3709304766ENG

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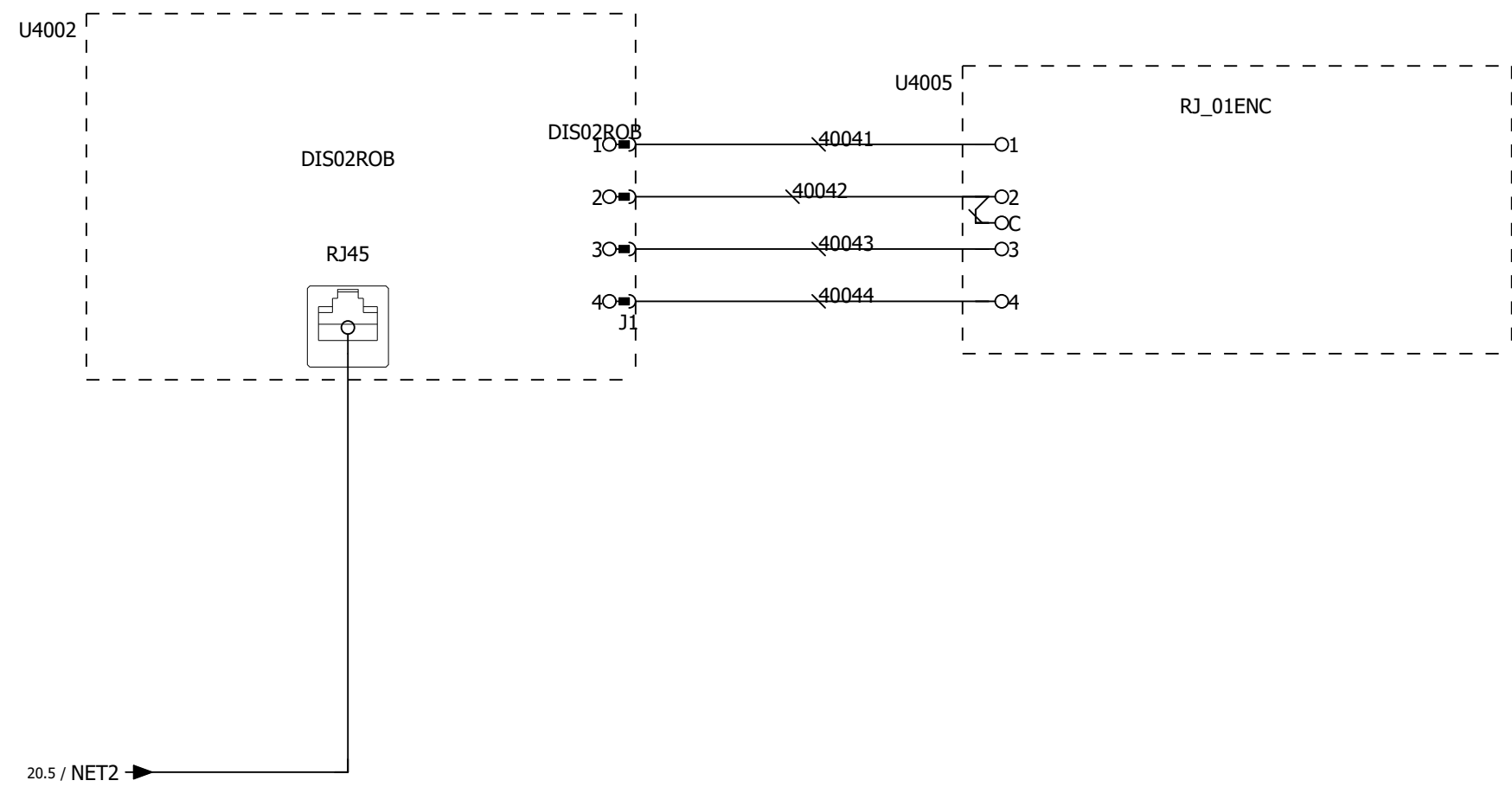
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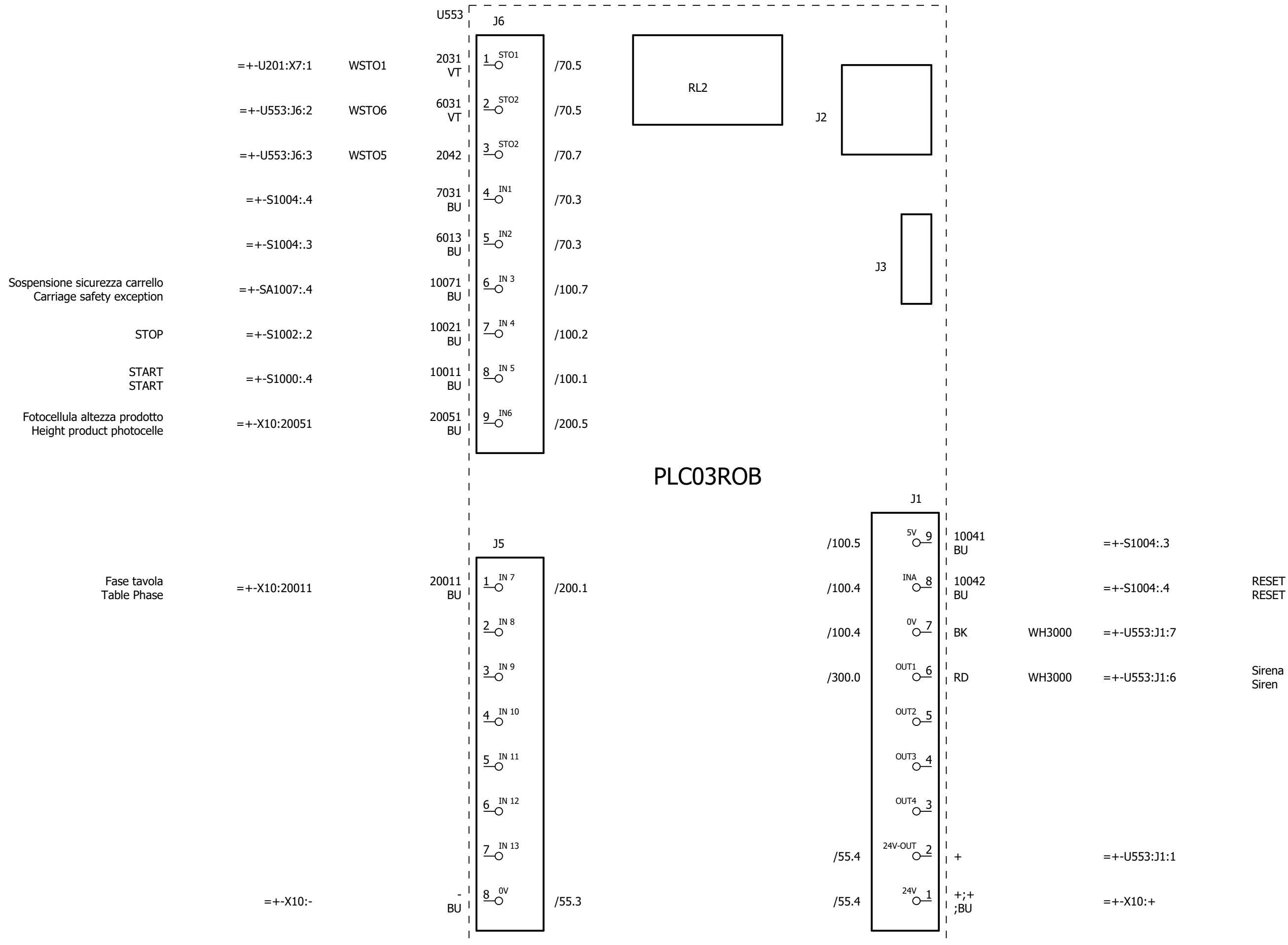
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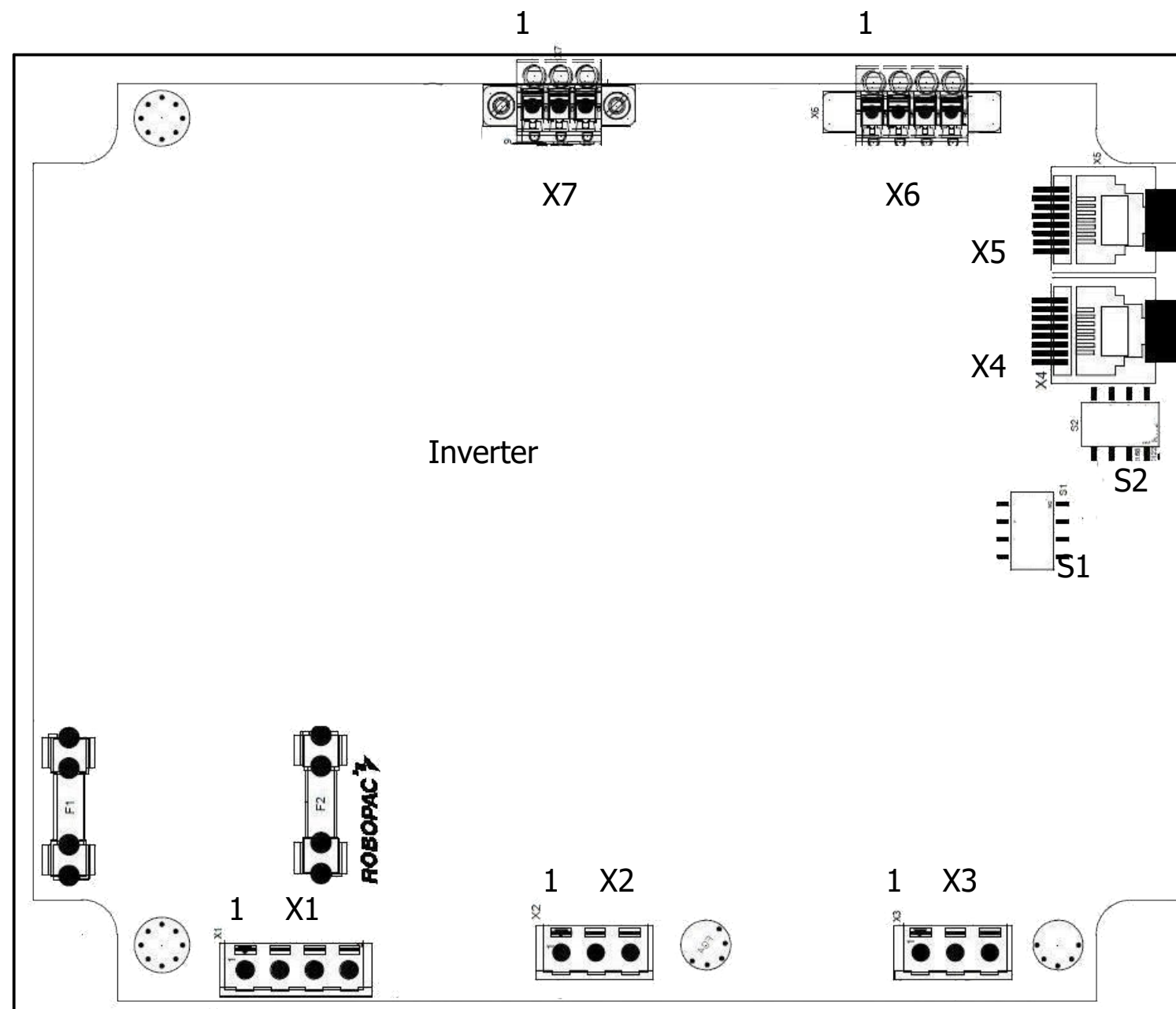
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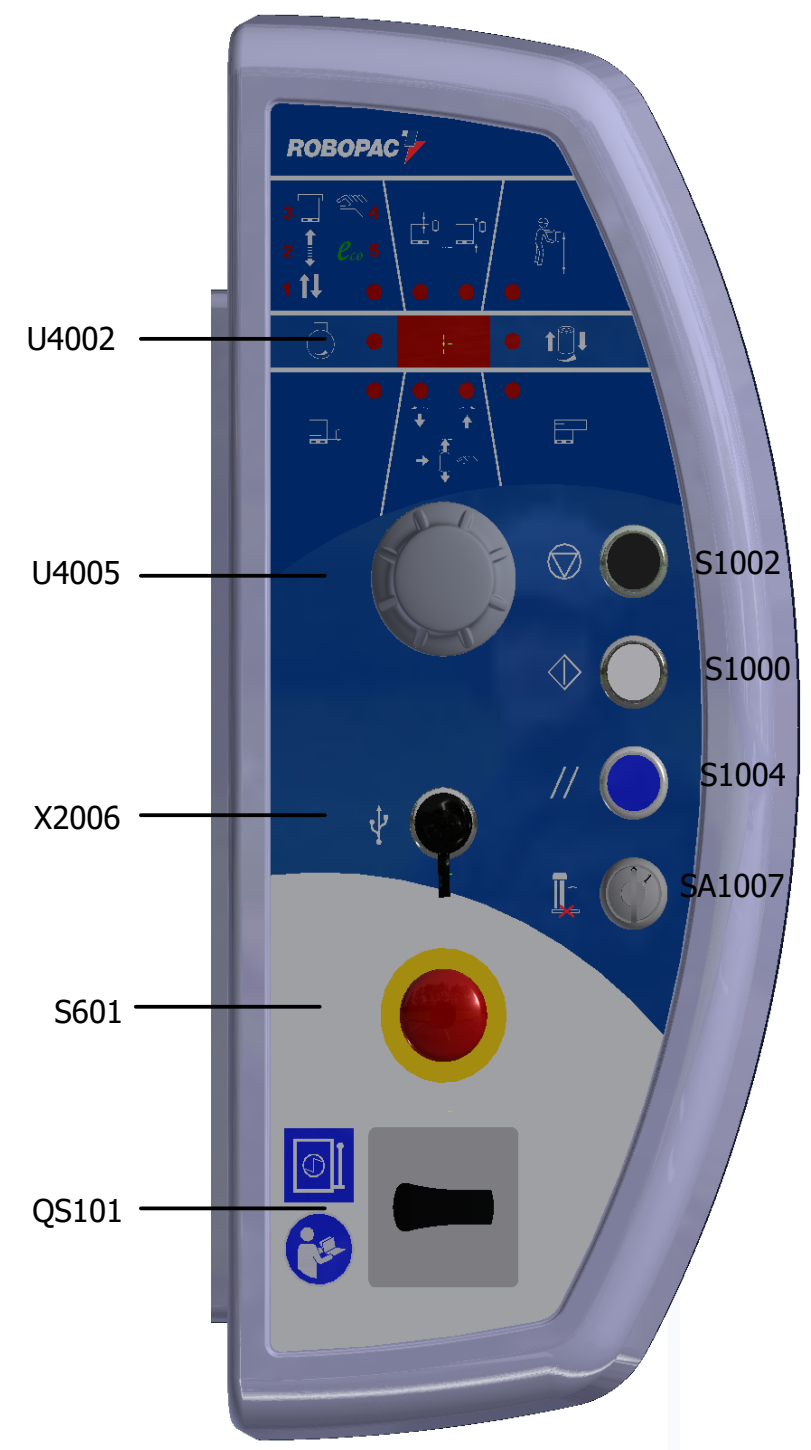
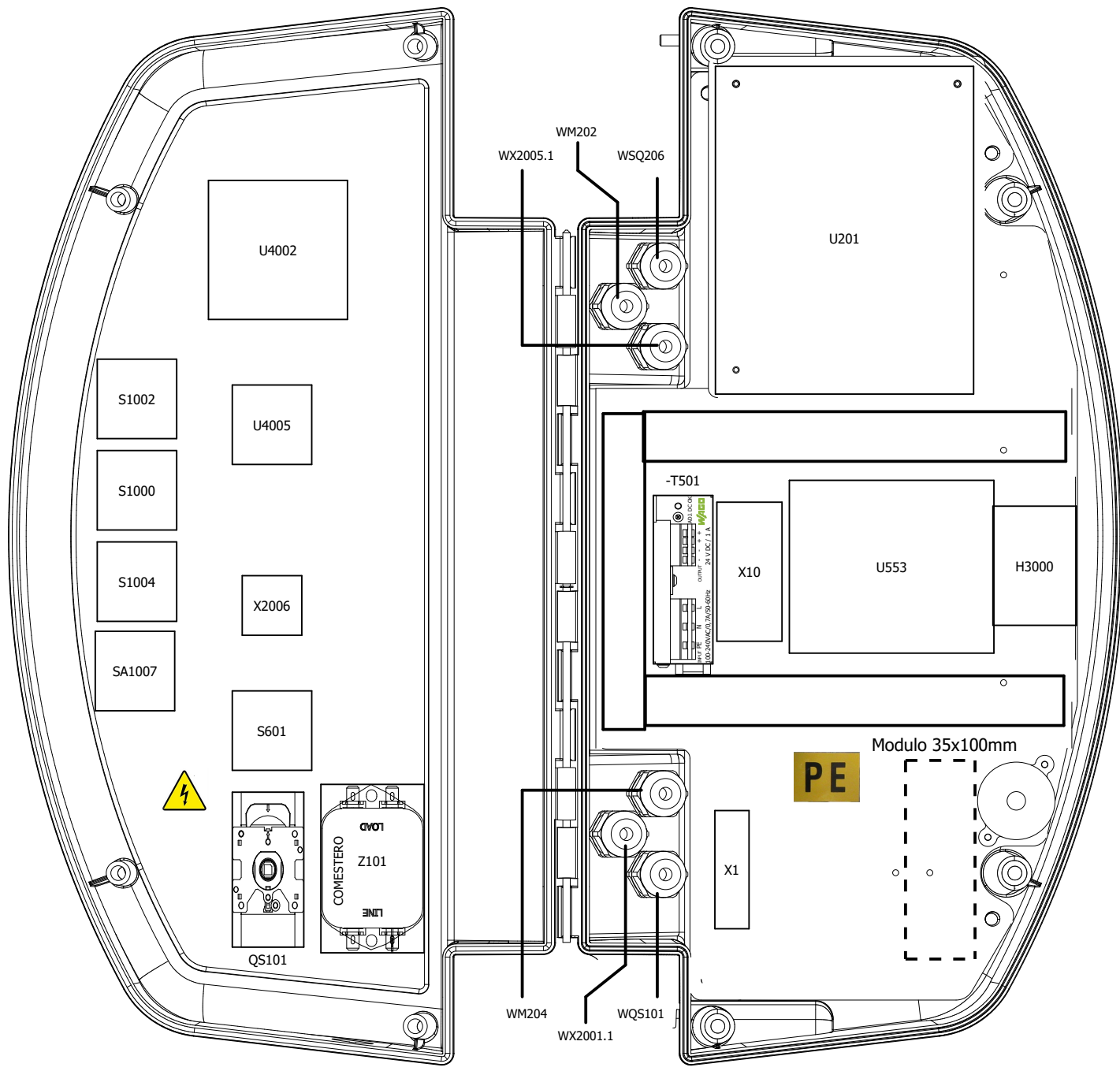
Machine Ecoplat Frd

300



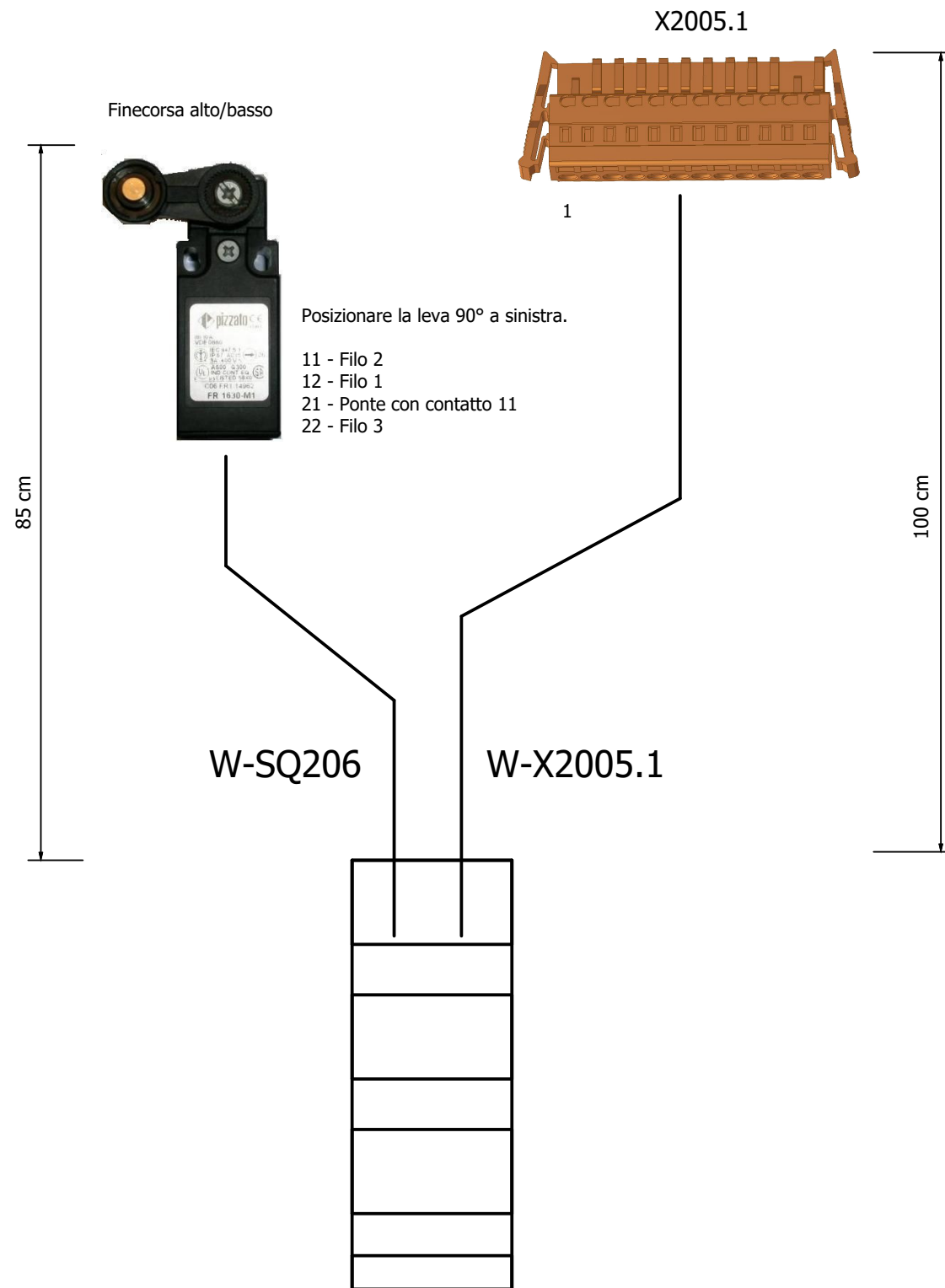






NOTE PER IL QUADRISTA:
 Fascettare insieme i cavi in uscita dal basso a 15cm da QE
 Fare lo stesso con i cavi che escono dalla parte alta del QE.
 Sguainare il cavo di alimentazione 50cm per fare in modo che il conduttore di terra venga fissato alla piastra porta componenti.
 Fase e neutro vanno tenuti corti 7cm e collegati a QS101.
 Applicare la targa PE vicino al punto di fissaggio delle terre sulla piastra.
 Predisporre nella parte bassa del QE una barra DIN lunga 140mm

Fissare i cavi in catena da entrambe i lati seguendo la procedura come descritta di seguito.
 I cavi vanno disposti nella catena portacavo come mostrato nell'immagine "A" rispettando la sequenza indicata nello schema.
 Prima di tutto fascettare i cavi lato morsettiera X2005.1 rispettando le misure indicate.
 Stendere la catena su una superficie piana e curvarla verso l'alto come mostrato nell'immagine "B".
 Afferrare i cavi dalla parte della catena senza fascette (lato QE), a questo punto tirare i cavi verso di se poi spingerli dentro alla catena, la posizione corretta per il fissaggio con le fascette è quella che si trova a metà fra i due punti rilevati tirando e spingendo i cavi.
 Fornire la catena con le quattro viti 6x16 bombate inserite come mostrato in figura A fissandole con i dadi flangiati stretti a mano.

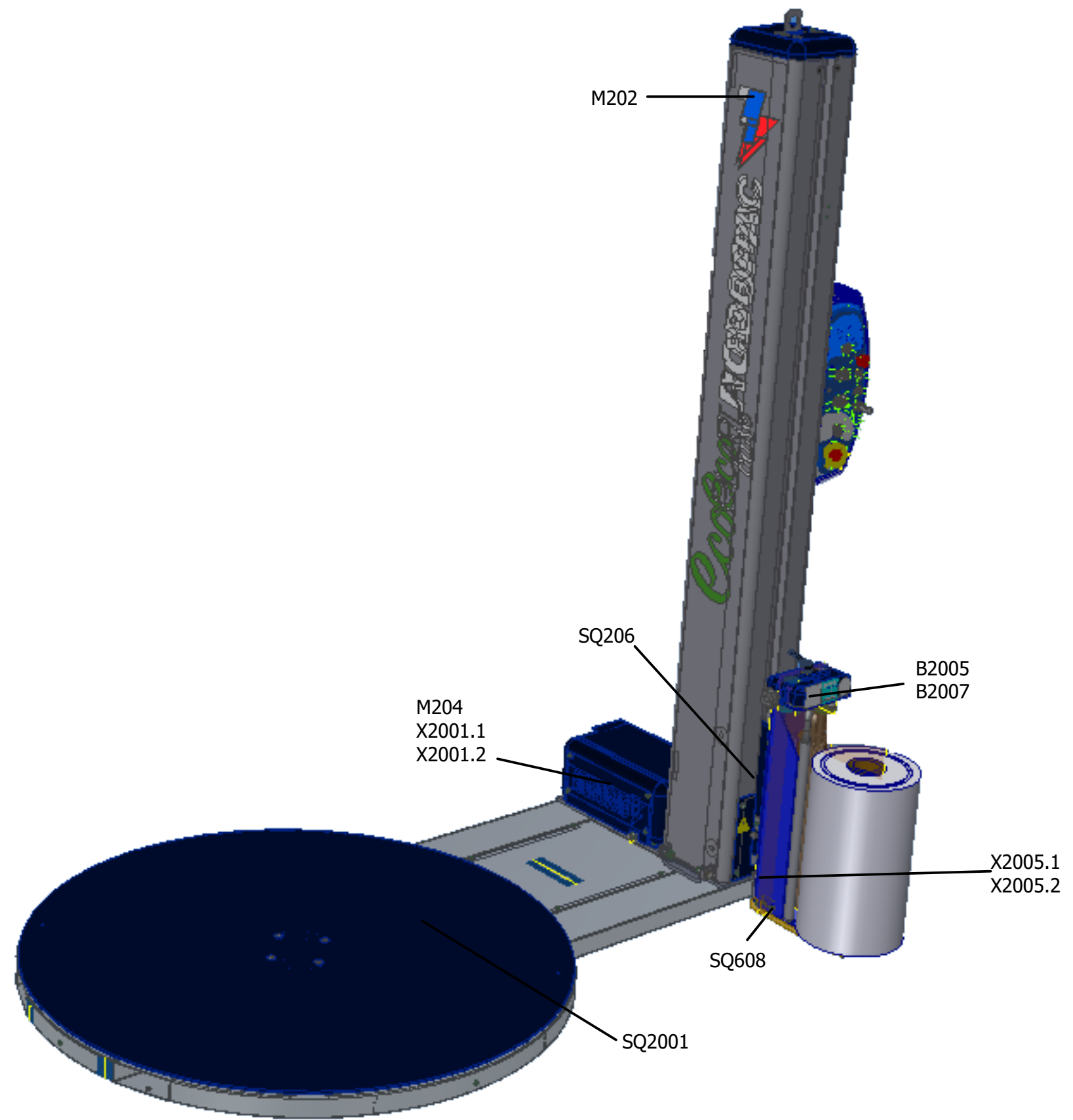


A



B





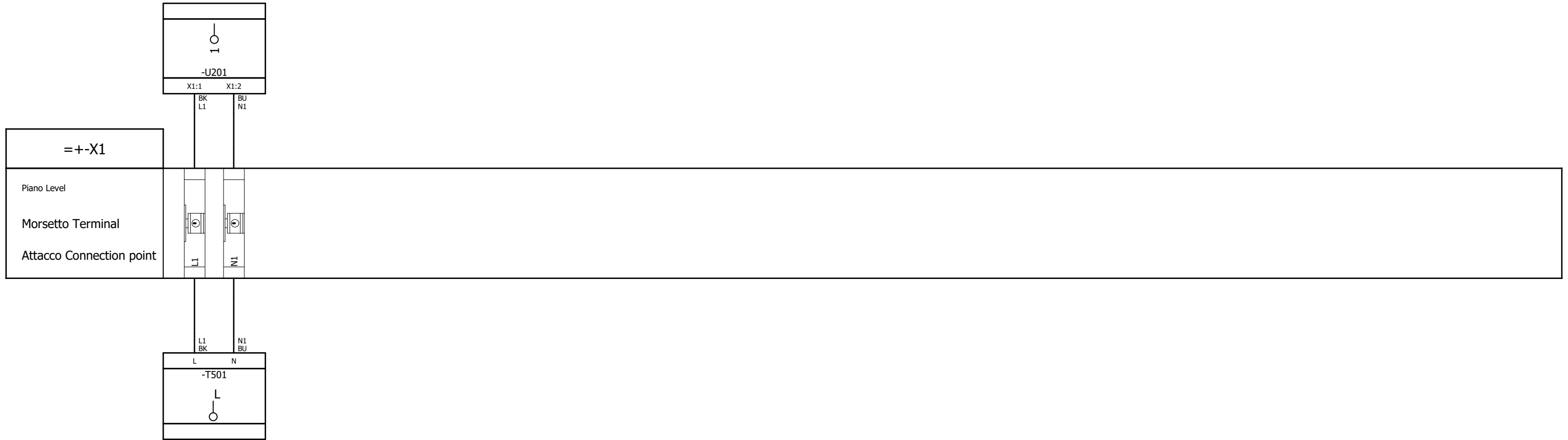
Cable overview

Cable	Origine	N° Conduttori	Cross-section	Capicorda origine	Spelatura origine (cm)	Lunghezza fuori cassetta (m)	Spelatura destinazione (cm)	Capicorda destinazione	Target	Note
-W-M202	-U201;-E202	4G	1 mm ²	Occhiello D.5 su Gnd	7	2,45	10	Occhielli D.4	-M202	
-W-M204	-U201;-E204	4G	1,5 mm ²	Occhiello D.5 su Gnd	7	2,2	10	Occhielli D.4	-M204	
-W-QS101		3G	2,5 mm ²	Puntalini	15	4,8	50	BN,BU puntalini GNYE occhiello D.5	-QS101;-PE102	
-W-SQ206	-SQ206	4G	0,5 mm ²	--	5	3,05	5	Puntalini	-U201	In catena portacavo
-W-X2001.1	-X10	4	0,5 mm ²	--	15	2	5	Puntalini	-X2001.1;-X2005.1	
-W-X2005.1	-X2005.1	7G	0,5 mm ²		15	3,2	7		-X10	In catena portacavo

Schema allacciamento morsetti

Terminal-connection diagram

Destinazioni interne
Internal targets

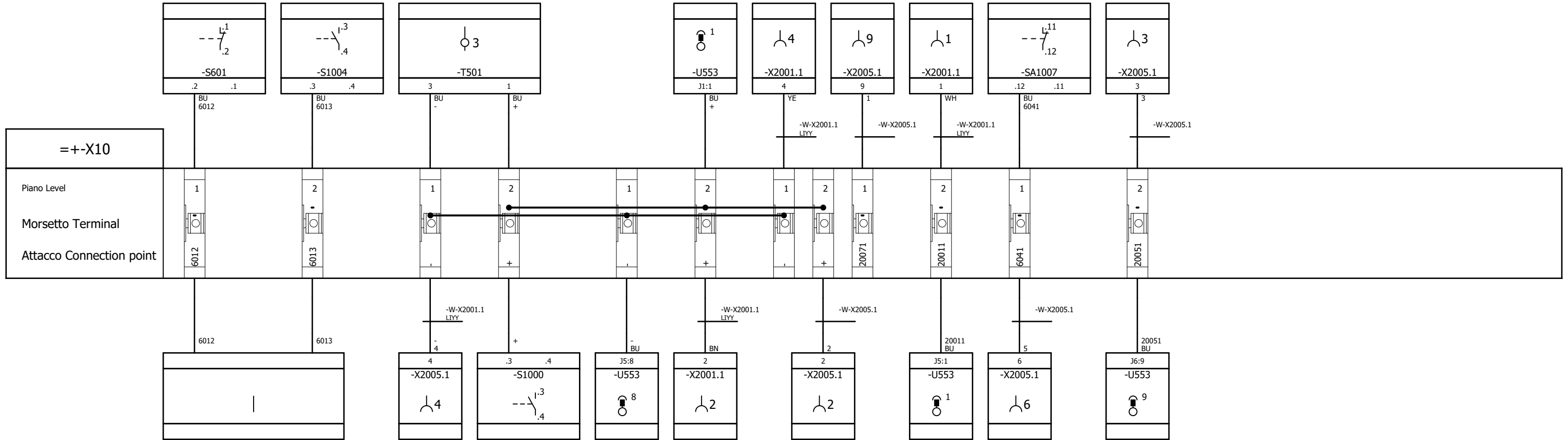


Destinazioni esterne
External targets

Schema allacciamento morsetti

Terminal-connection diagram

Destinazioni interne
Internal targets



Destinazioni esterne
External targets

Emergenza
Emergency stop

Emergenza
Emergency stop

Sensore svolgimento film
Film unwinding sensor

Fase tavola
Table Phase

Fincorsa emergenza carrello
Carriage emergency Endstroke

Fotocellula altezza prodotto
Height product photocelle



Description

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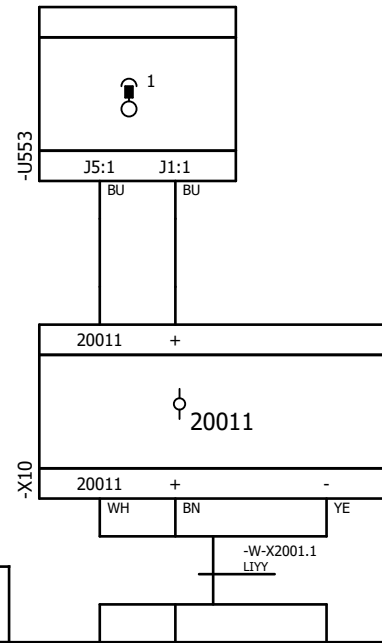
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Machine Ecoplat Frd

Schema allacciamento connettori

Pin-connection diagram

Internal targets



External targets

Fase tavola
Table Phase

Fase tavola
Table Phase

Description

Connettore basamento
Base connector

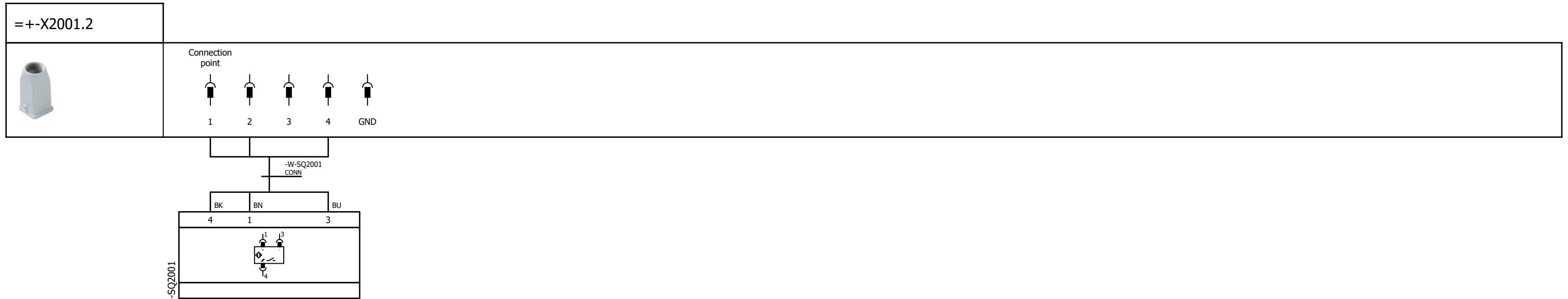
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Machine	Ecoplat Frd										



Schema allacciamento connettori

Pin-connection diagram

Internal targets



External targets

Fase tavola
Table Phase
||
Fase tavola
Table Phase

Description

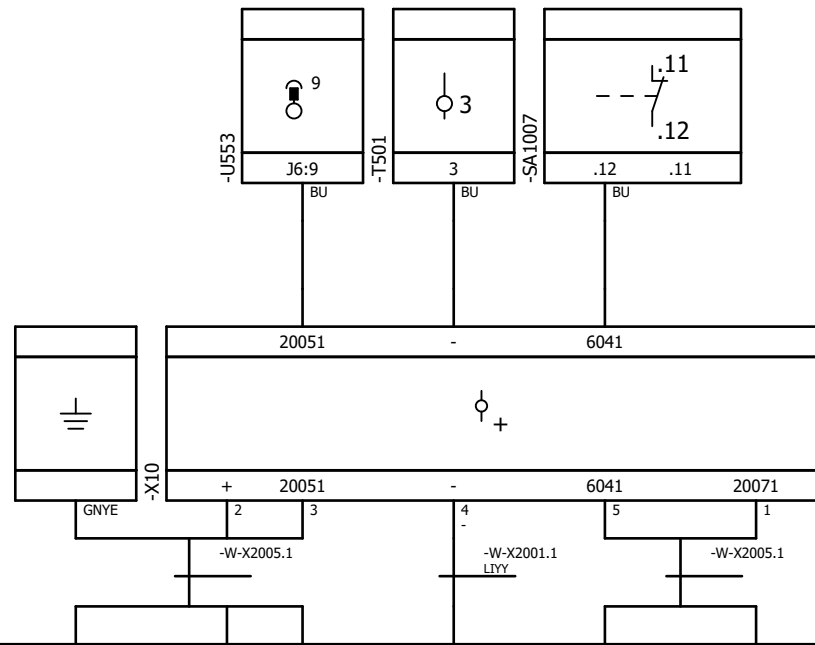
Connettore basamento
Base connector

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Schema allacciamento connettori

Pin-connection diagram

Internal targets



=+-X2005.1



External targets

Fotocellula altezza prodotto
Height product: photocelle

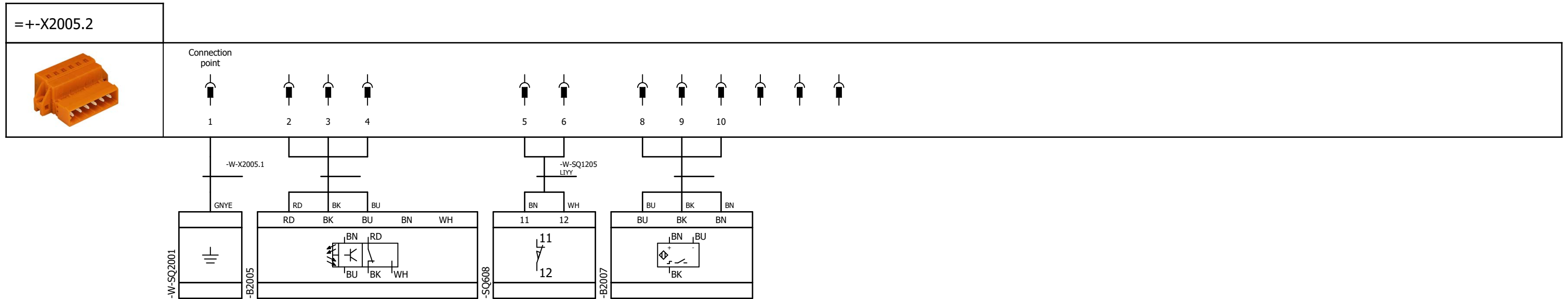
Fincorsa emergenza carrello
Carriage emergency Endstroke

Sensore svolgimento film
Film unwinding sensor

Schema allacciamento connettori

Pin-connection diagram

Internal targets



External targets

Fase tavola Table Phase	Fotocellula altezza prodotto Height product photocelle	Fincorsa emergenza carrello Carriage emergency Endstroke	Sensore svolgimento film Film unwinding sensor	Fotocellula altezza prodotto Height product photocelle





Description	Connettore carrello Carriage connector
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Schema allacciamento connettori

Pin-connection diagram

Internal targets

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External targets