



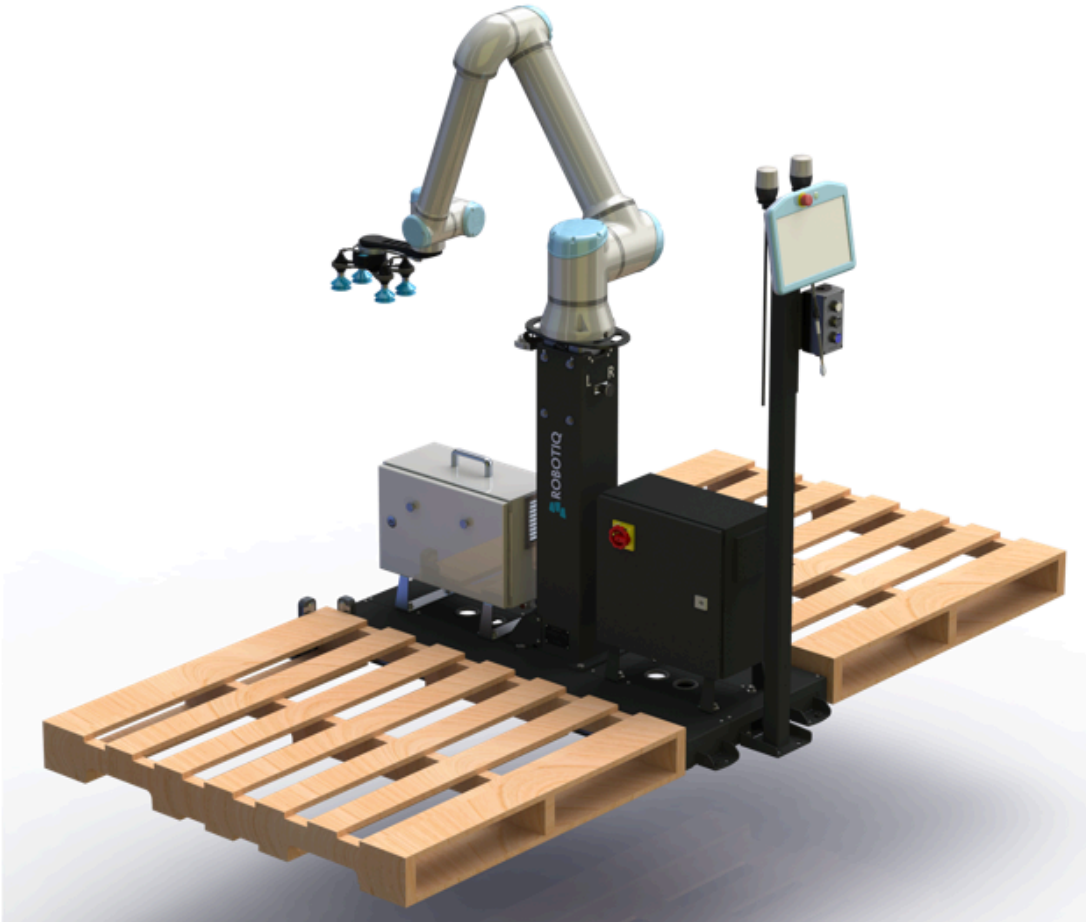
Robotiq

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Phone +1 (418) 380-2788



2023.0.3

Project description		Palletizing	
Job number		PAL-AE09	
Project name		PE10 Solution	
Modification date		2025-02-28	
Revision		1.0.4	
Power supply		100-240 VAC / 50-60 Hz	
Input lead		15A	
Control voltage		24 VDC	
Created on		2024-06-21	
Edit date		2025-02-28	
		by (name)	
		Number of pages	
		57	



1.0.4	2025-02-28	fellabb	Date	2024-12-18
1.0.3	2024-12-17	fellabb	Created by	
1.0.2	2024-09-19	fellabb	Approved by	
Modification	Date	Name	Revision	1.0.4

Palletizing PE10 Solution



Title page / cover sheet

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		2.b	Table of contents	2025-02-28	fellabb
		3	Revision Summary	2024-09-25	fellabb
		4	Safety	2024-06-21	micgoid
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		7	Safety Overview (optional)	2024-09-19	fellabb
SYS	CAB1	Cabinet 1			
		10	PE10 - AC Voltage Supply	2024-09-19	fellabb
		11	PE10 - DC Voltage Supply	2024-09-19	fellabb
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		64	PE10 - OPTIONS - Safety Scanners	2024-12-18	fellabb
		65	PE10 - Options - PCV	2025-02-19	fellabb
3D_Views	CAB1	Cabinet 1			
		70	PE20 - General Views	2025-02-19	fellabb
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		72	PE20 - Mounting Plate	2025-02-19	fellabb

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3D_Views	Box				
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Reports	CAB1		Cabinet 1		
		100	Parts list : WAG.221-2401 - SICK.1100333	2025-02-28	fellabb
		101	Parts list : SICK.2105106 - SIE.6ES7214-1AG40-0XB0	2025-02-28	fellabb
		102	Parts list : SIE.6ES7214-1AG40-0XB0 - SIE.3SU1400-1AA10-1BA0	2025-02-28	fellabb
		103	Parts list : SIE.3SU1401-1BB50-1AA0 - RIT.3237208	2025-02-28	fellabb
		104	Parts list : ICO.48168 - PXC.1430543	2025-02-28	fellabb
		105	Parts list : HELU.10018 - PXC.3209604	2025-02-28	fellabb
		106	Parts list : PXC.3038503 - SCH.6162.0159	2025-02-28	fellabb
		107	Parts list : SCH.6162.0159 - PXC.3030514	2025-02-28	fellabb
		150	Summarized parts list	2025-02-28	fellabb
		151	Summarized parts list	2025-02-28	fellabb
		152	Summarized parts list	2025-02-28	fellabb
		200	Terminal diagram =SYS+CAB1-X1	2024-08-20	fellabb
		201	Terminal diagram =SYS+CAB1-X20	2025-02-28	fellabb
		201.a	Terminal diagram =SYS+CAB1-X20	2025-02-28	fellabb
		202	Terminal diagram =SYS+CAB1-X21	2025-02-28	fellabb
		202.a	Terminal diagram =SYS+CAB1-X21	2024-12-18	fellabb
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		300	Cable diagram:W2 :W3 :W50 :W60	2025-02-28	fellabb
		301	Cable diagram:W70 :W71 :W72 :W80	2024-12-18	fellabb
		302	Cable diagram:W80 :W81 :W82 :W100	2024-08-20	fellabb
		303	Cable diagram:W100 :W101 :W102	2024-12-18	fellabb

SAFETY REGULATIONS

GENERAL SAFETY REGULATIONS



DANGER !

During plant operation certain items are under dangerous voltage!
Non-observance of safety instructions can result in death, serious injuries or material damage.

Only specialist personnel may carry out transport, installation and commissioning work.

The applicable valid standards as well as the national and / or company-specific accident prevention regulations are to be observed.

The following safety instructions are to be observed:

The erection, commissioning, troubleshooting as well as repair of the plant may only be carried out by qualified personnel that is familiar with the corresponding operating instructions.

Mounting of the devices has to be effected in accordance with the valid standards, state and local regulations.
Proper grounding and conductor dimensioning as well as proper short-circuit proofing have to be ensured.
These measures serve to ensure the safety of the plant and of the operating personnel.

Before carrying out safety checks, maintenance work and repair measures ensure that all the power supplies are switched off, are secured against being switched on unintentionally and are marked correspondingly.

Only test devices that are in a technically perfect condition and are suitable for the respective measurement may be used to carry out measurements!

The instructions specified in the respective operating instructions are to be followed strictly!
It is mandatory that hazard, warning and safety instructions be observed!

All doors and covers are to be kept closed during the plant operation.
If cooling devices are installed in the plant, ensure that these systems operate trouble-free.
These include the regular cleaning of the filters, in as far as they exist.

WIRING REGULATIONS

(Symbols in accordance with IEC 60757)

WIRING COLORS

Main current AC	Black (BK)	Control circuit DC	Blue (BU)
Neutral conductor	Red (RD)	External voltage	Orange (OG)
Neutral conductor	Red (RD)	Jumpers	Orange (OG)
Protective wire	Green-yellow (GNYE)		

MINIMUM CROSS-SECTIONS

Main current	2,5 mm²
Control line	0,75 mm²
PLC wiring	0,75 mm²

CROSS REFERENCE AWG TO MM2

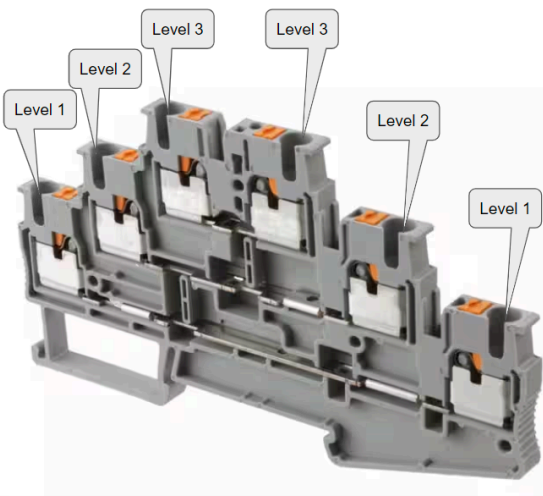
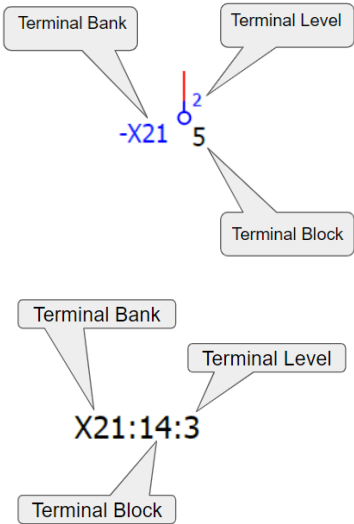
AWG	MM2
26	0.14
24	0.25
22	0.34
21	0.38
20	0.5
18	0.75
17	1
16	1.5
14	2.5
12	4
10	6
8	10
6	16

MATERIAL REGULATIONS

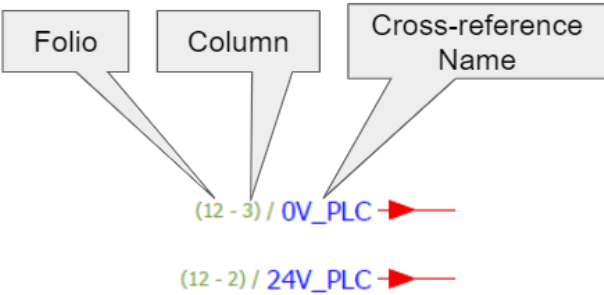
ENCLOSURES

Enclosures	RITTAL WM 1244.250
Enclosure protection category	NEMA 4
Enclosure color	RAL 9005
Degree of protection	

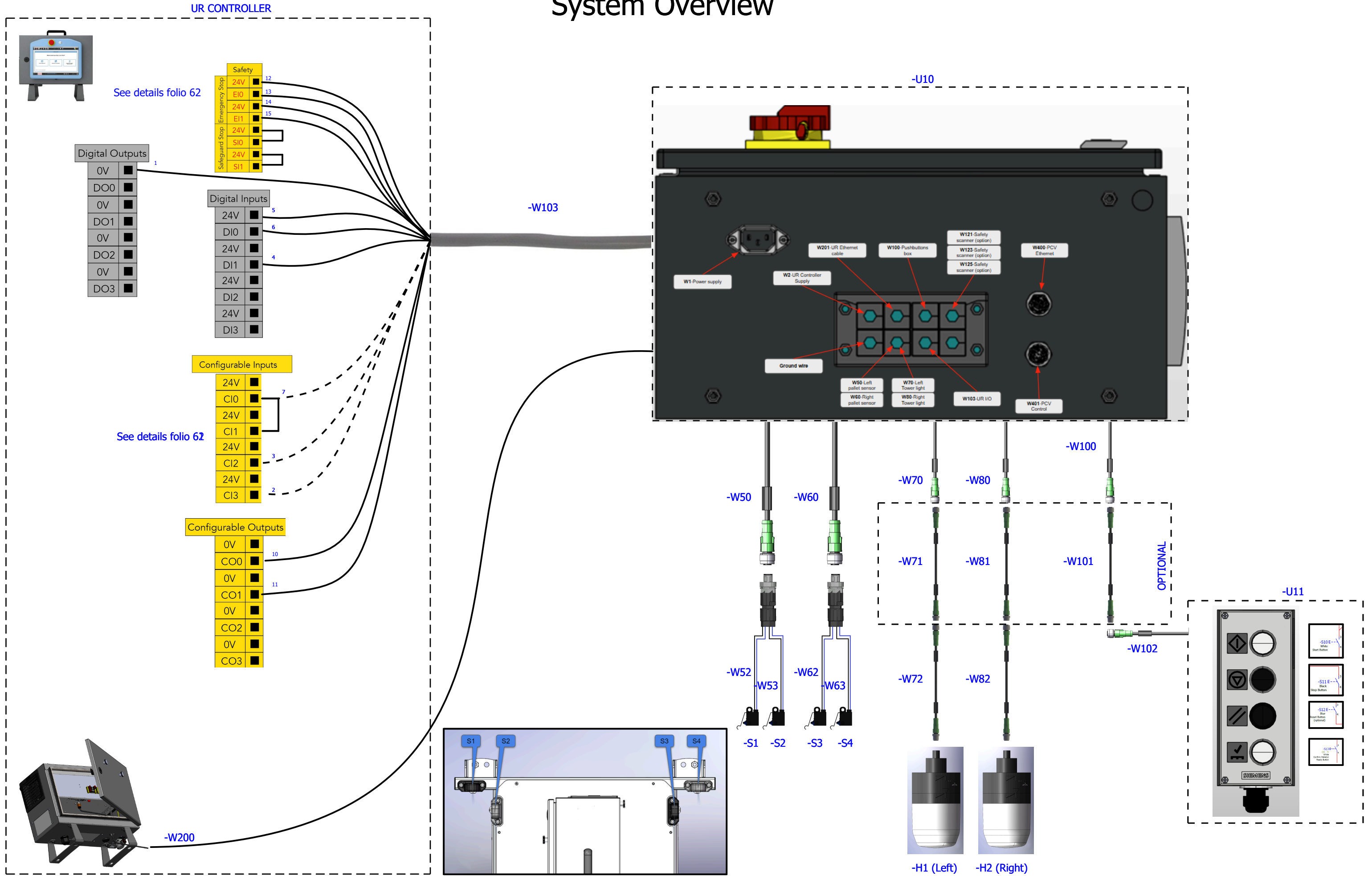
Terminals Configuration



Cross-references



System Overview



1.0.4	2025-02-28	fellabb	Date	2024-06-21
1.0.3	2024-12-17	fellabb	Created by	
1.0.2	2024-09-19	fellabb	Approved by	
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Palletizing
PE10 Solution



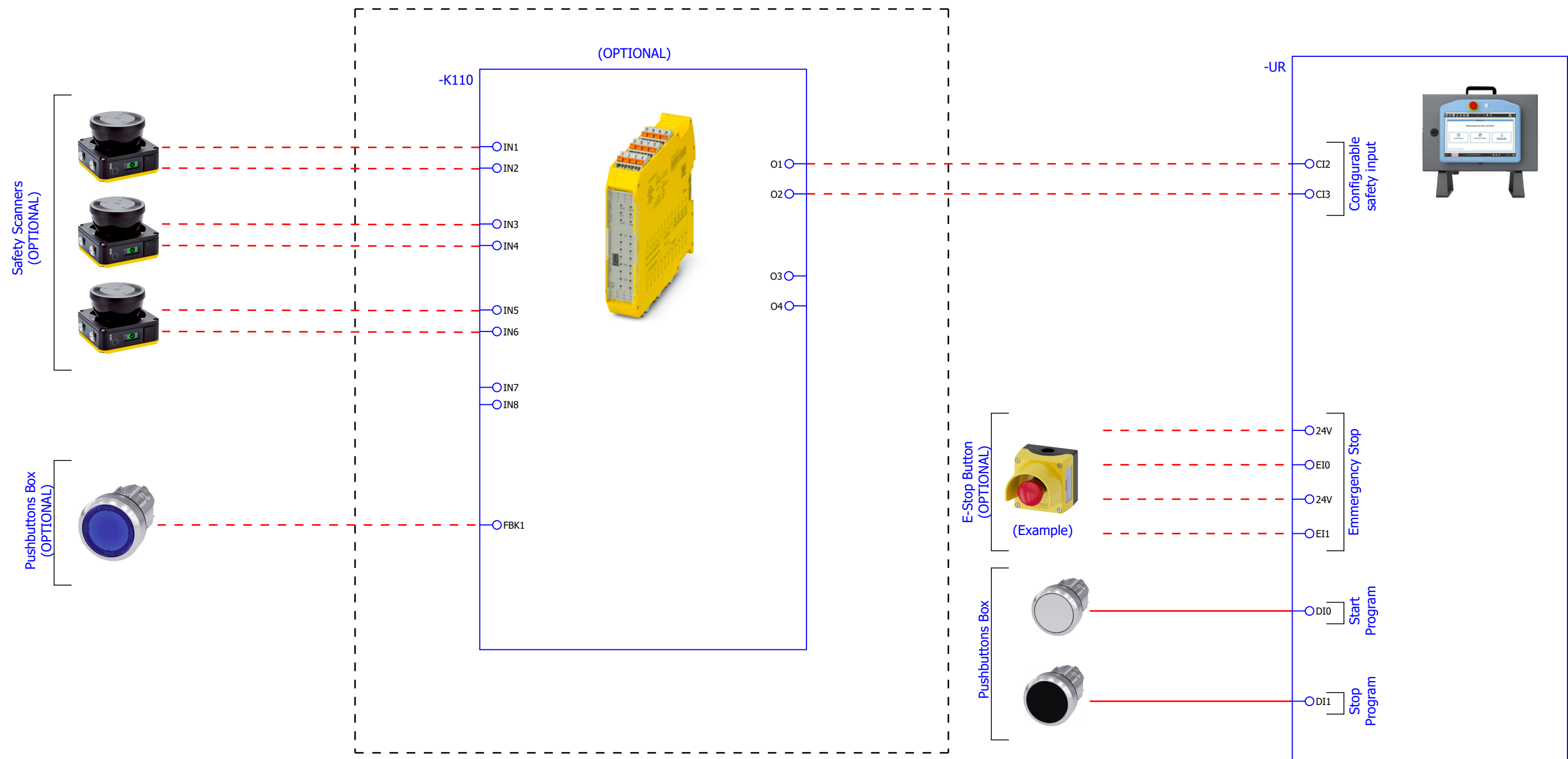
System Overview

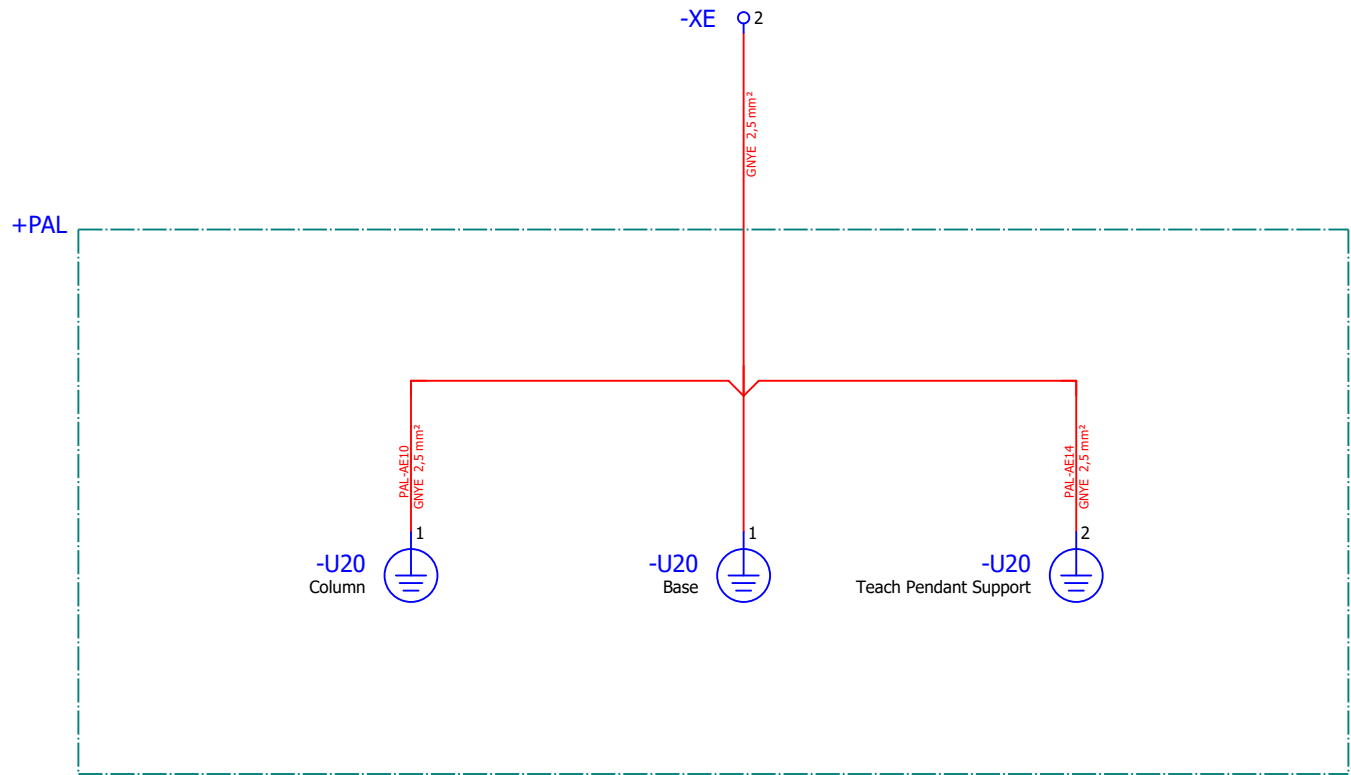
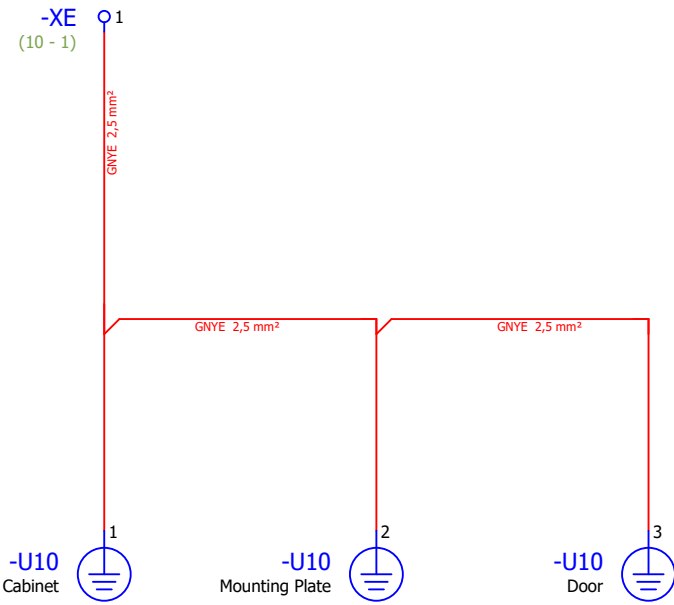
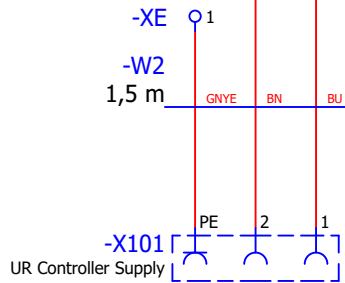
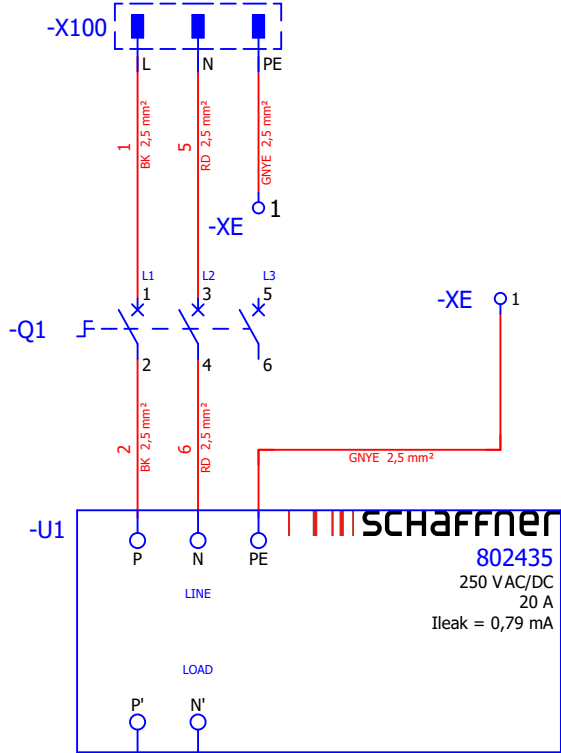
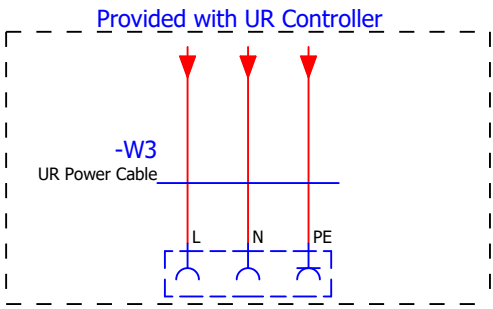
PAL-AE09

Folio 6

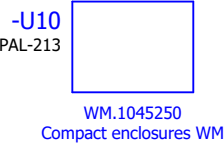
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Safety Overview (optional)





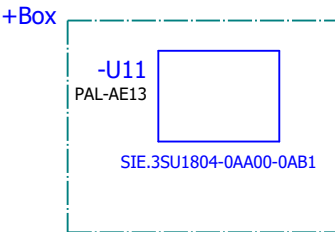
Cabinet #1



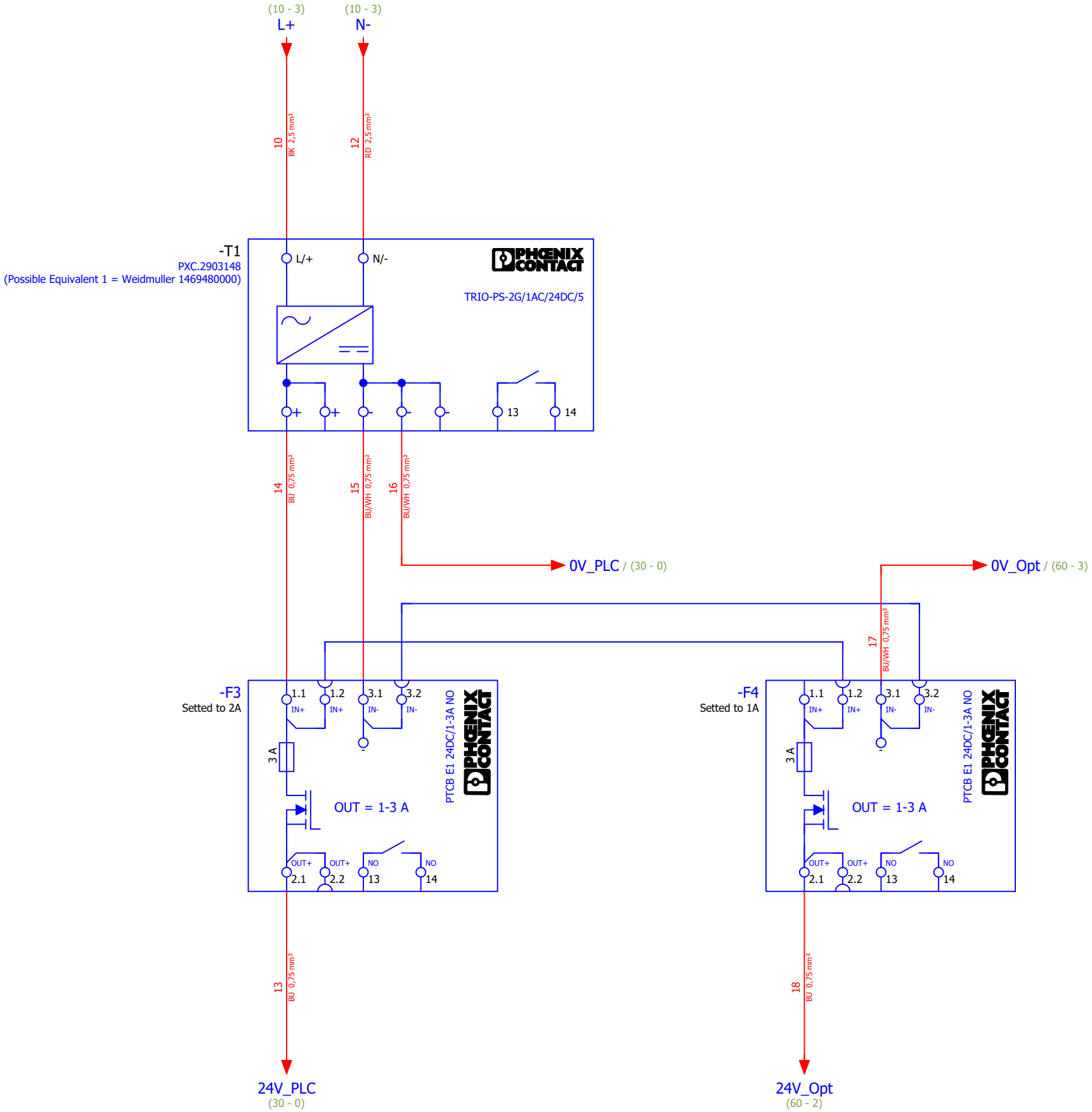
Cabinet Accessories

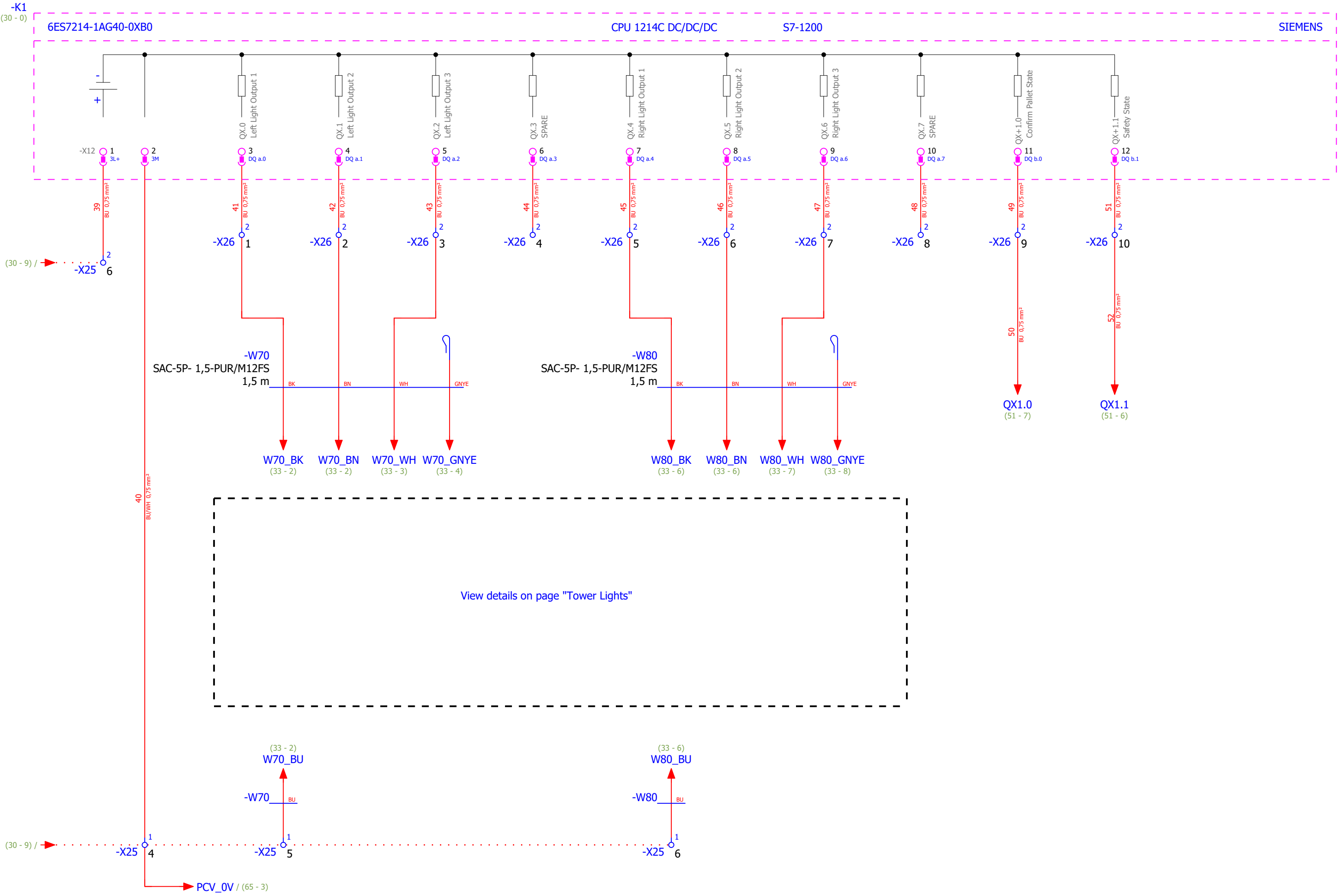


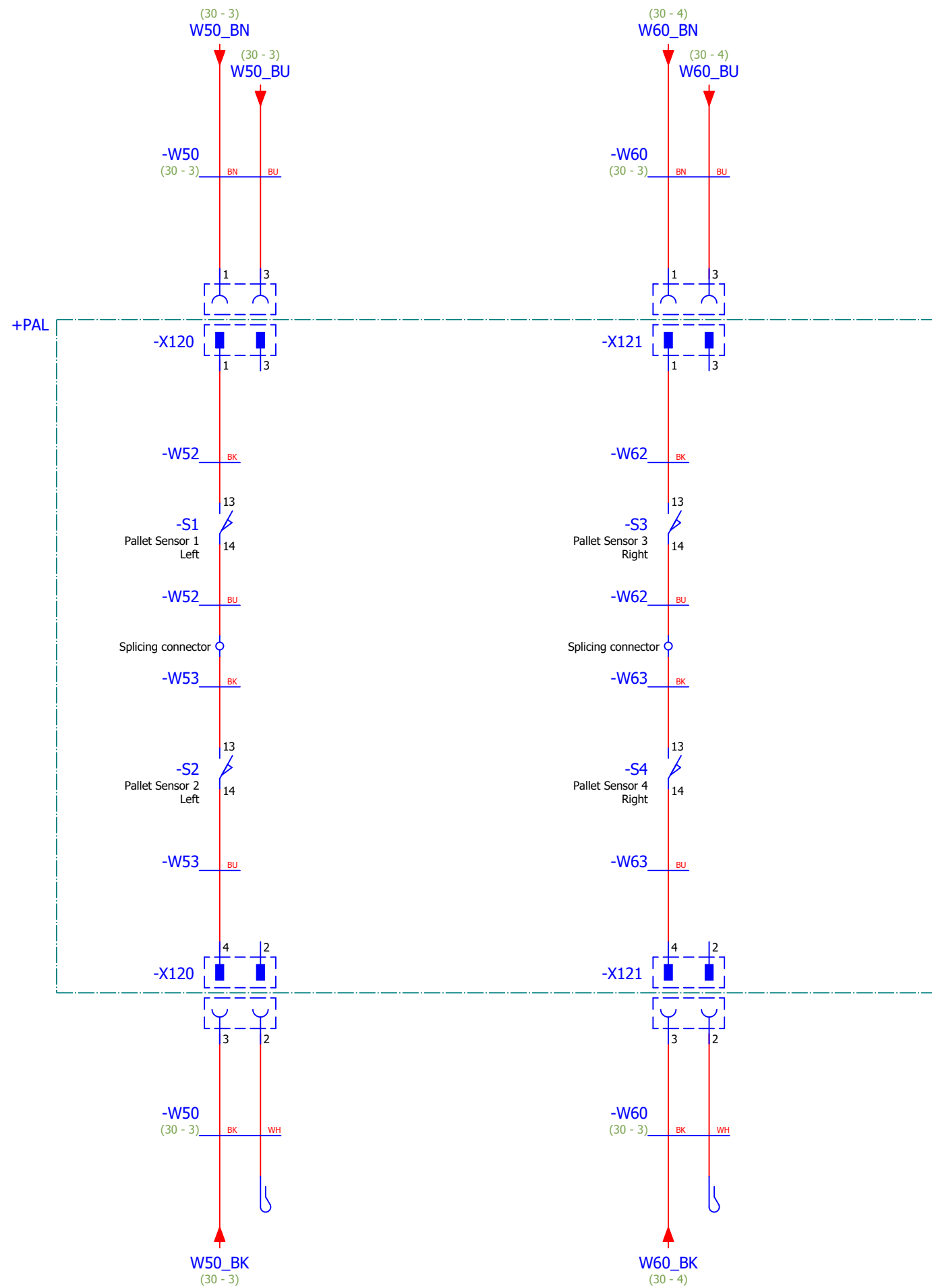
Pushbuttons Box

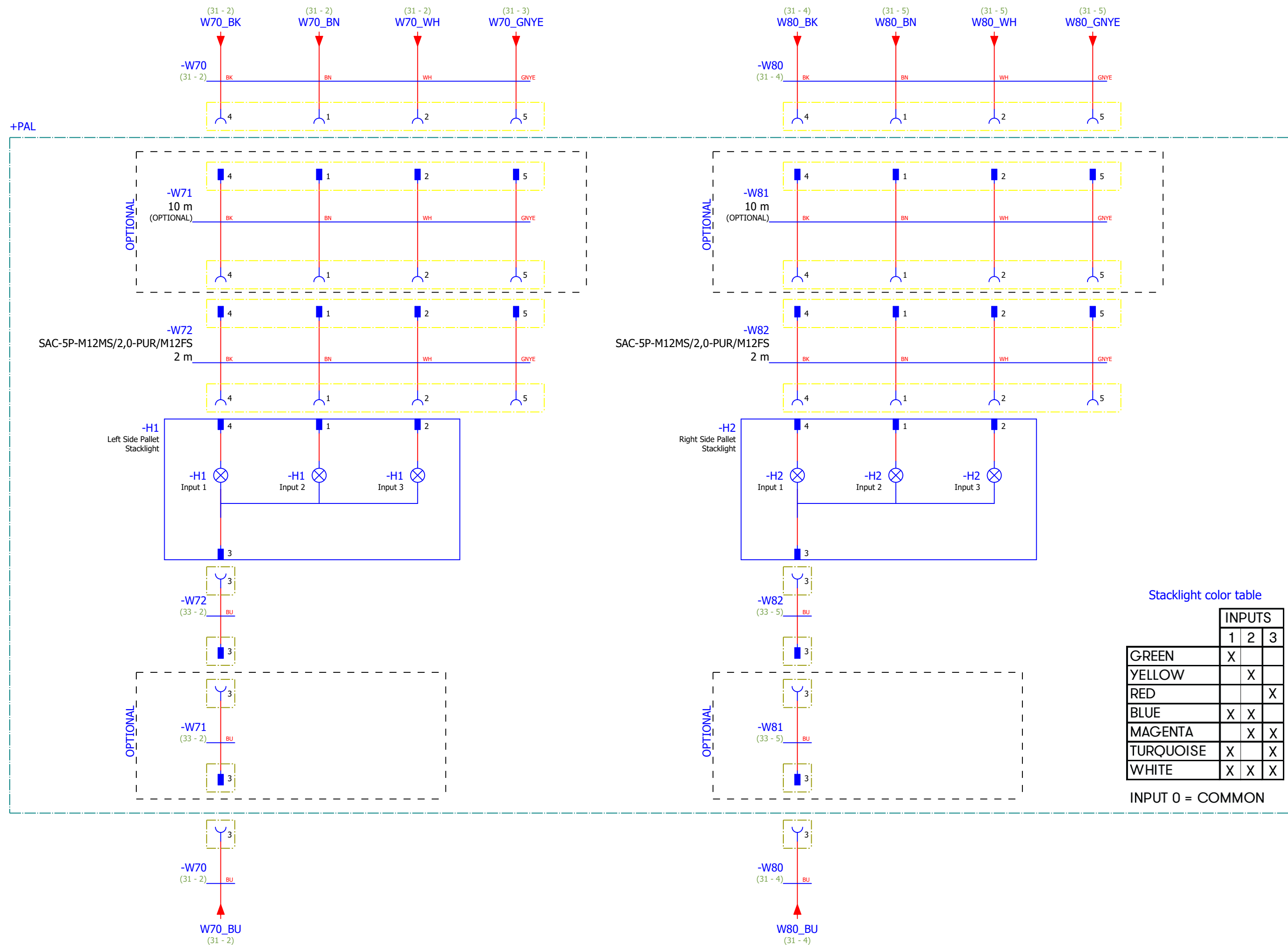


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1.0.3	2024-12-17	fellabb	Created by	
1.0.2	2024-09-19	fellabb	Approved by	
Modification	Date	Name	Revision	1.0.4





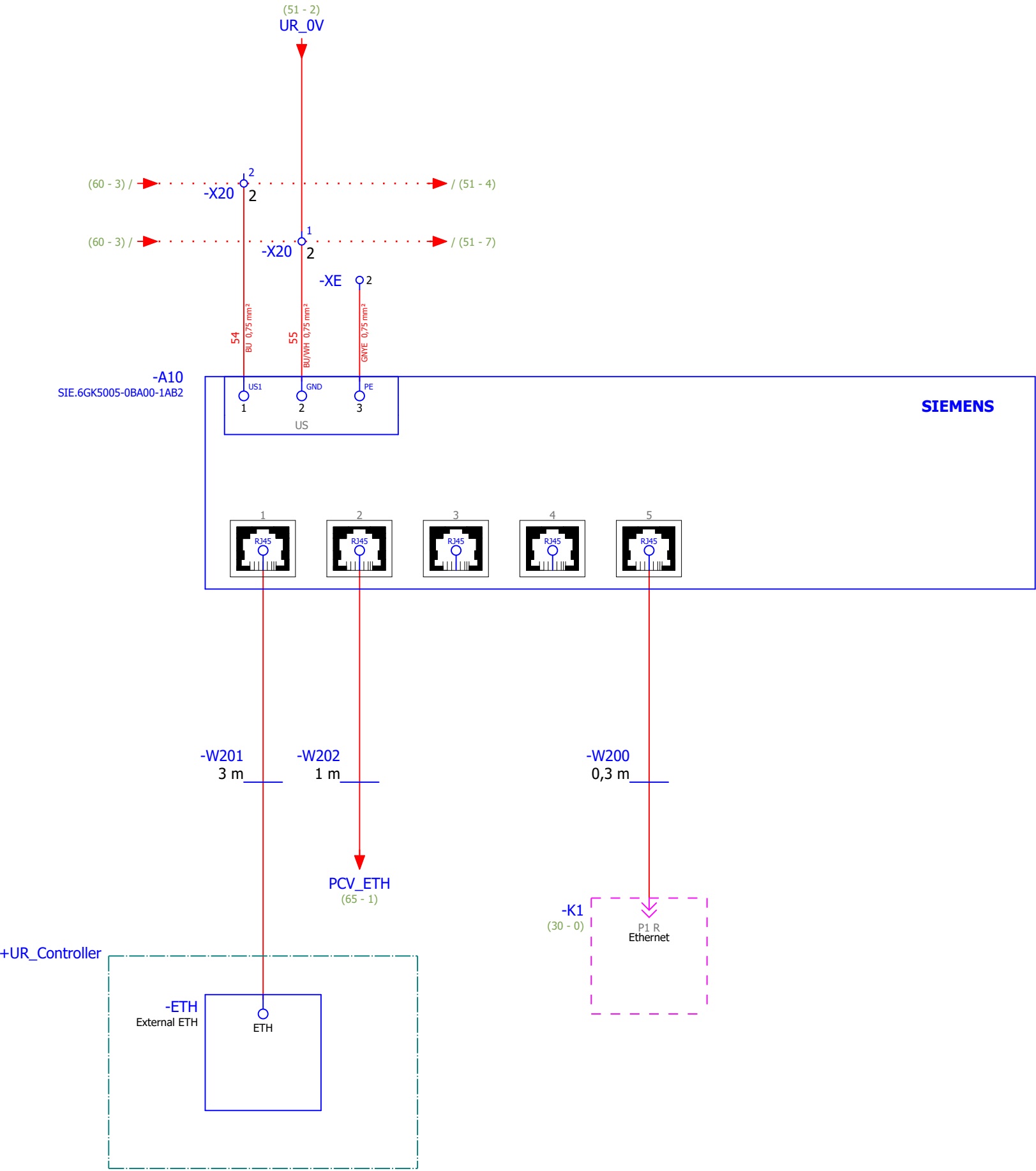


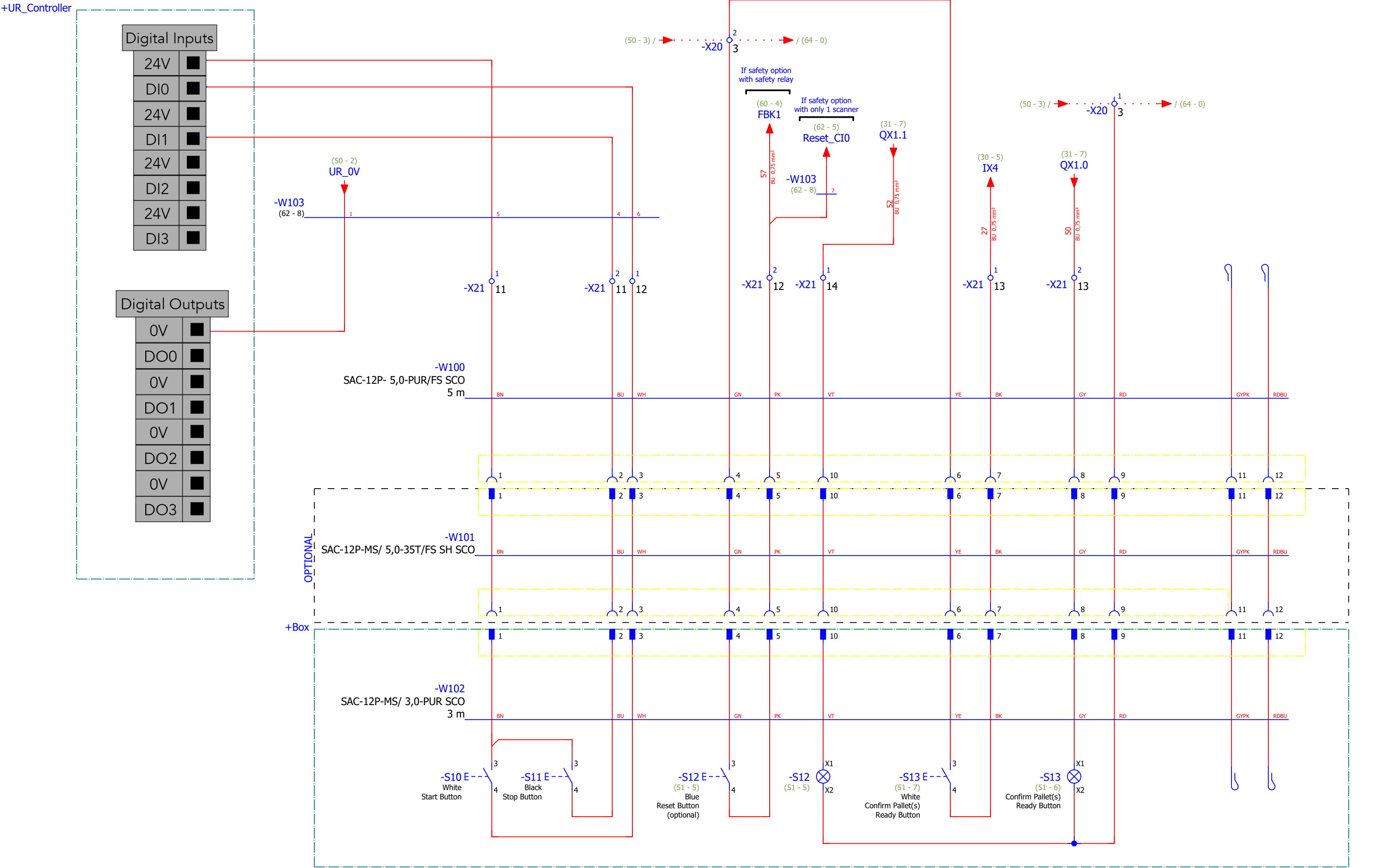


Stacklight color table

	INPUTS		
	1	2	3
GREEN	X		
YELLOW		X	
RED			X
BLUE	X	X	
MAGENTA		X	X
TURQUOISE	X		X
WHITE	X	X	X

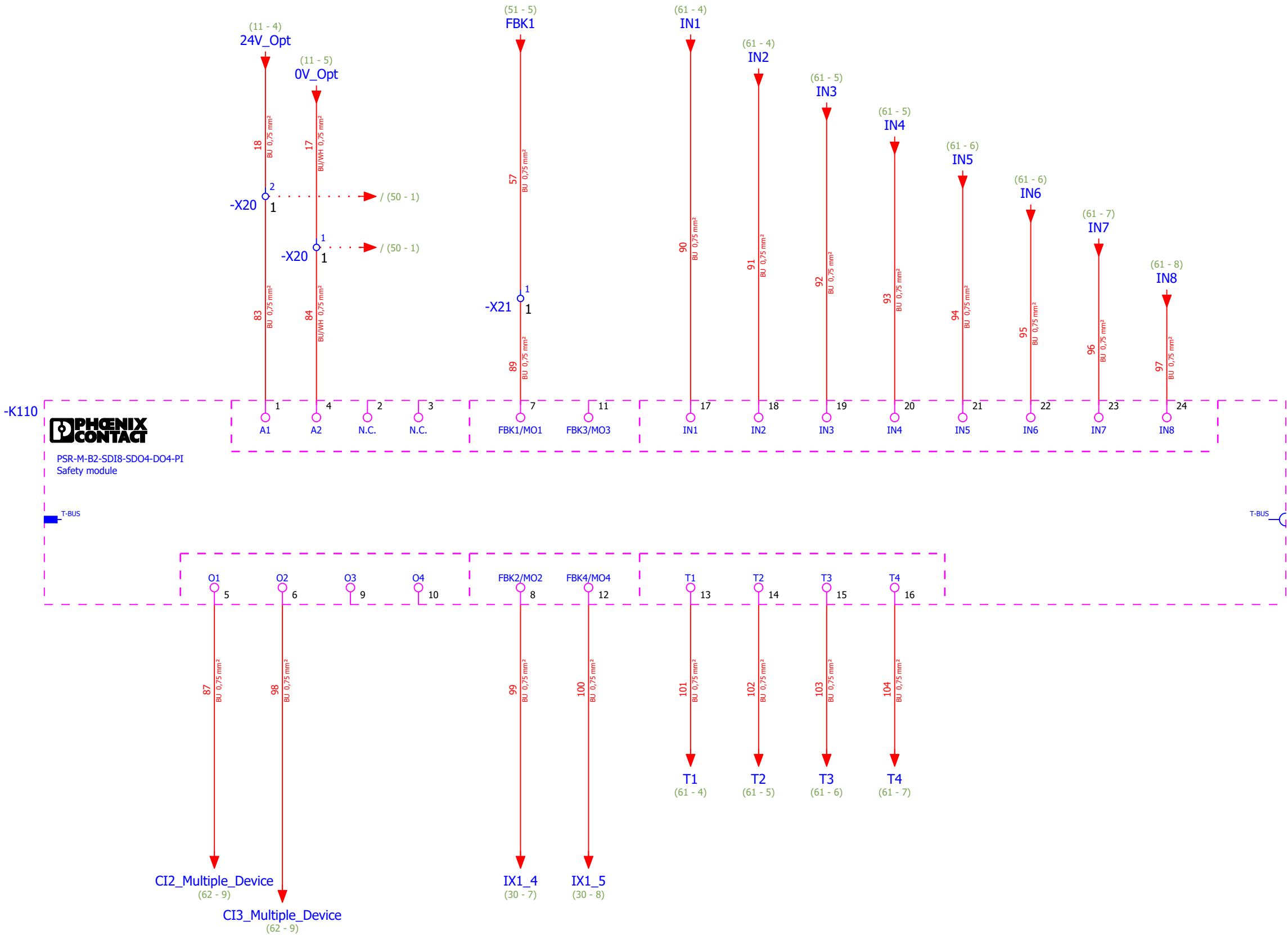
INPUT 0 = COMMON

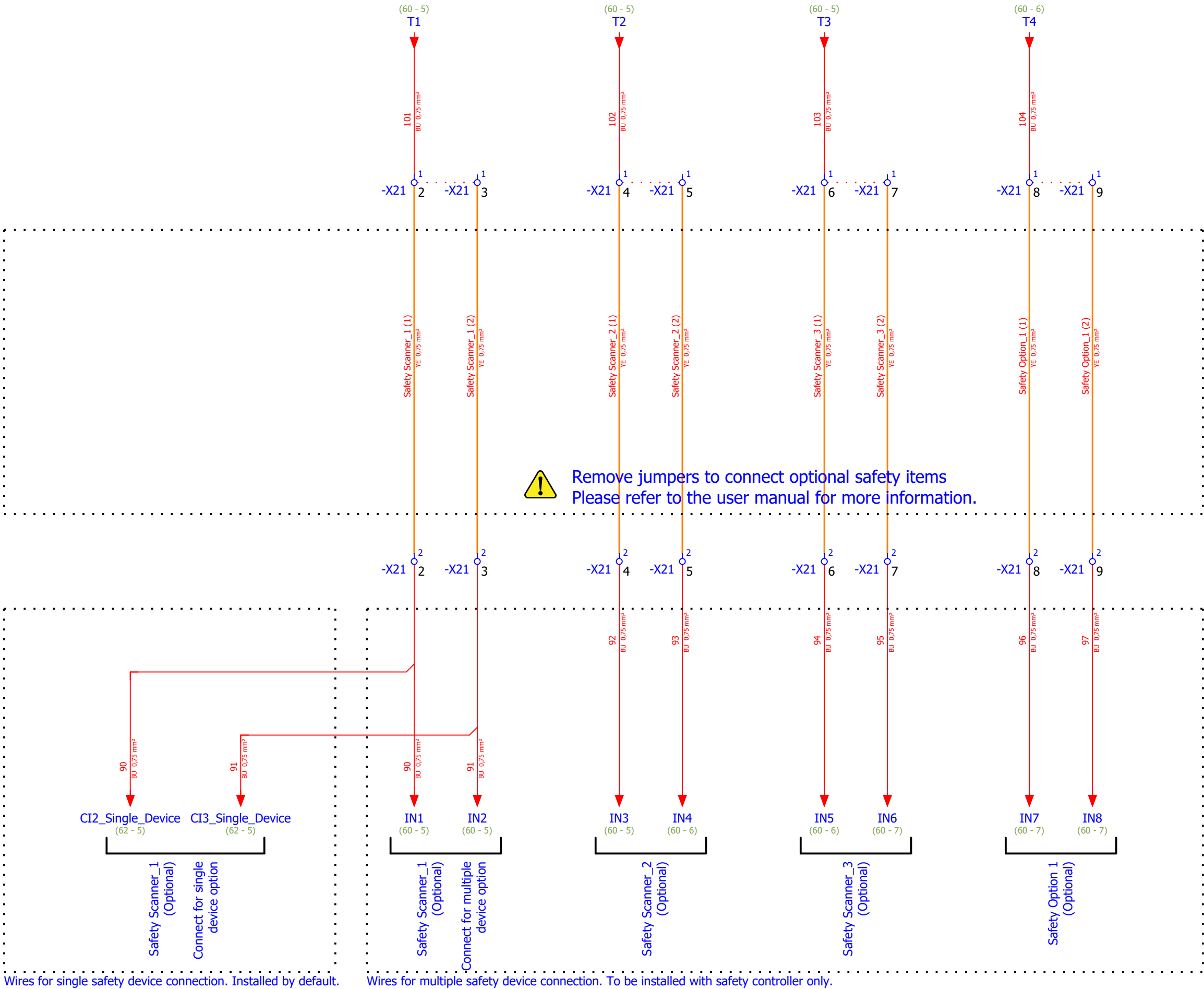




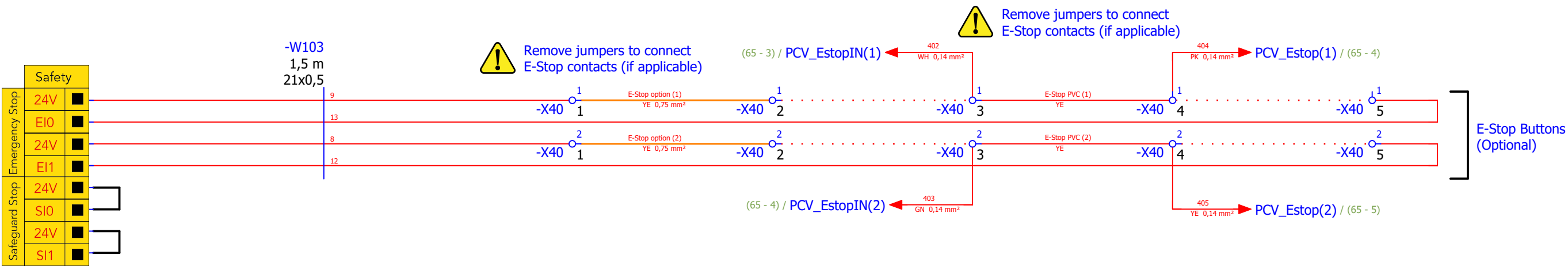


Option with safety controller is used only if more than 1 safety item needs to be connected.



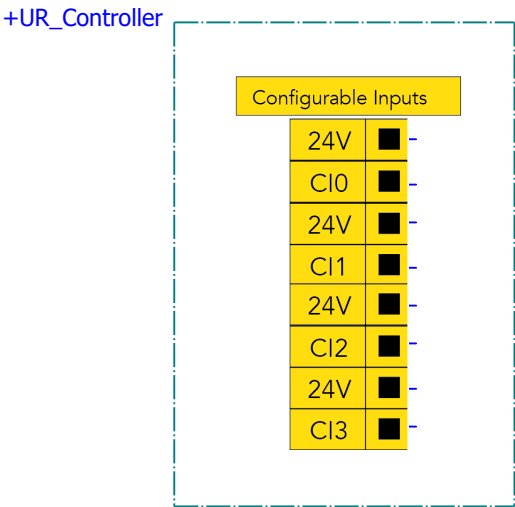


Emergency stop connection to the UR Controller

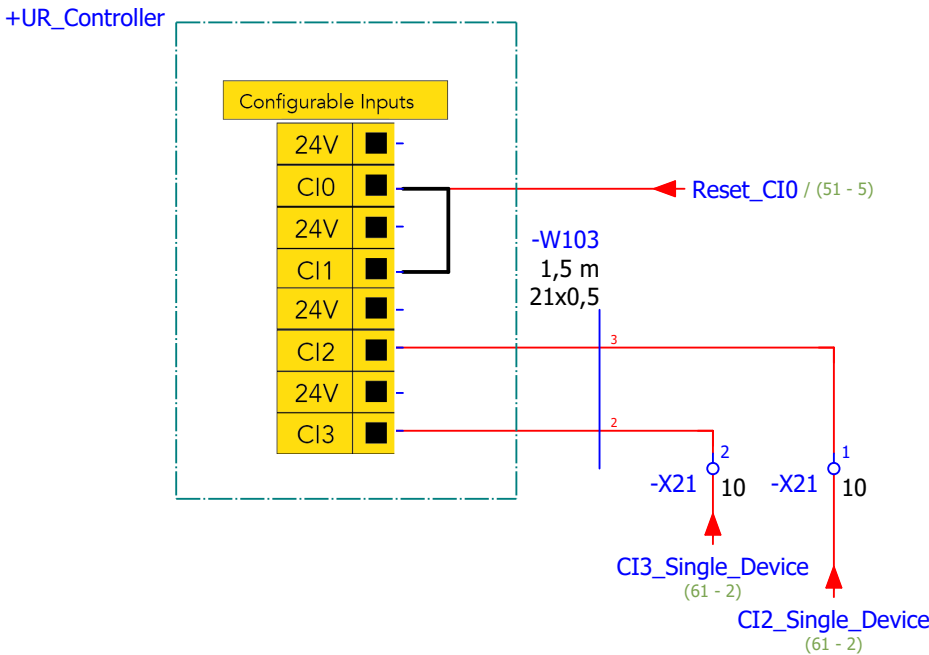


3 ways to connect safeguard in the UR Controller

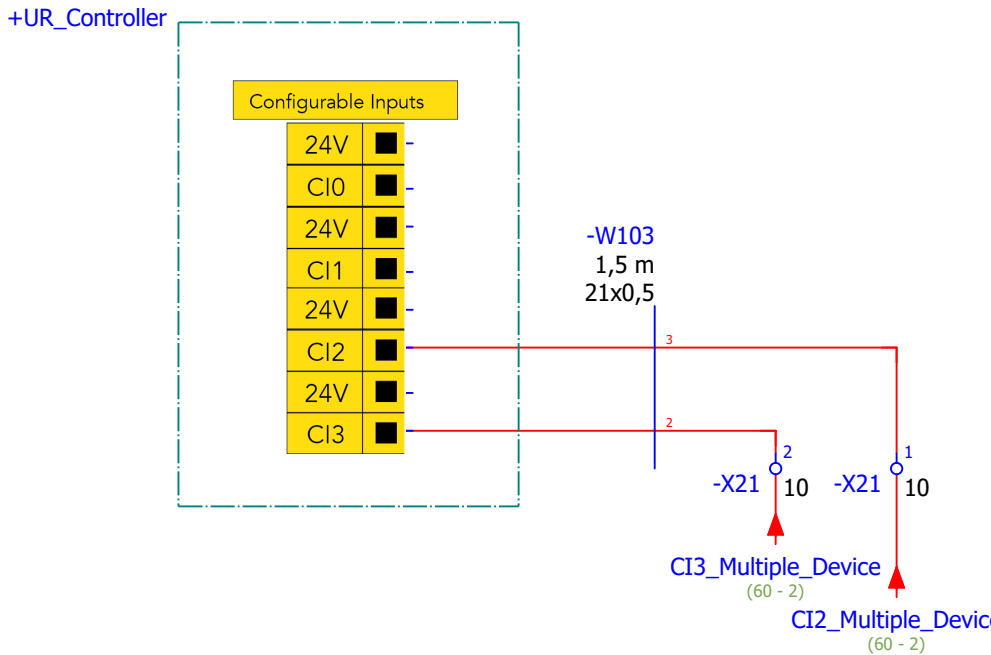
System without safety device connected
(Jumpers in UR Controller and no safety relay needed)

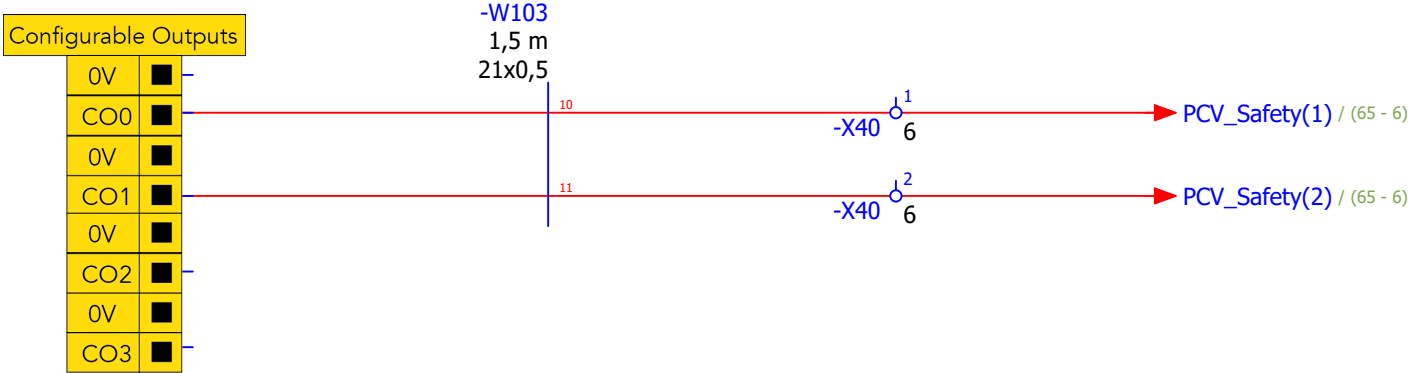


System with only one safety device connected
(2 channels of the device connected to UR Controller and no safety relay needed)



System with more than one safety device connected
(Safety needed and all safety devices connected in the safety relay K101)



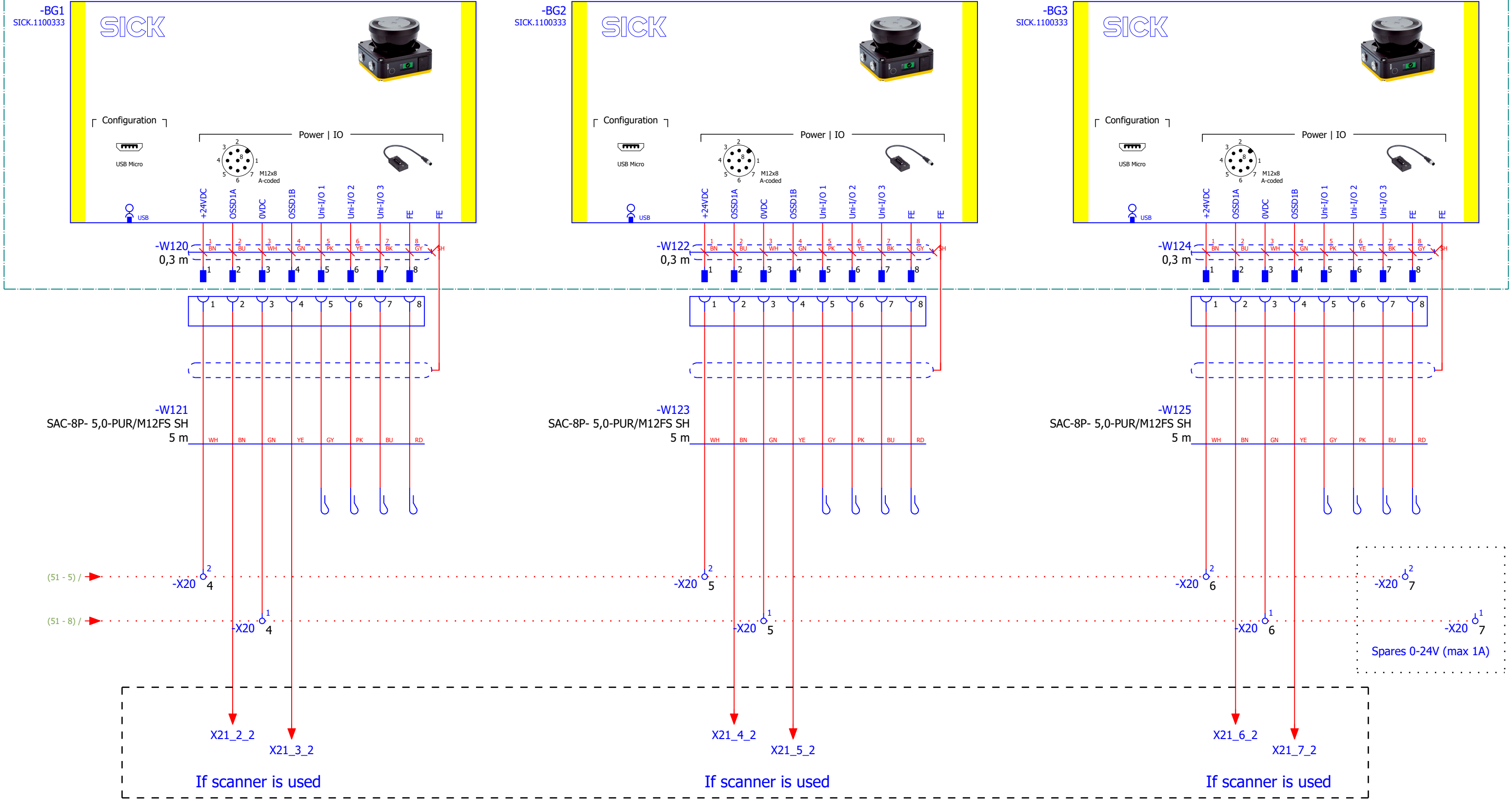


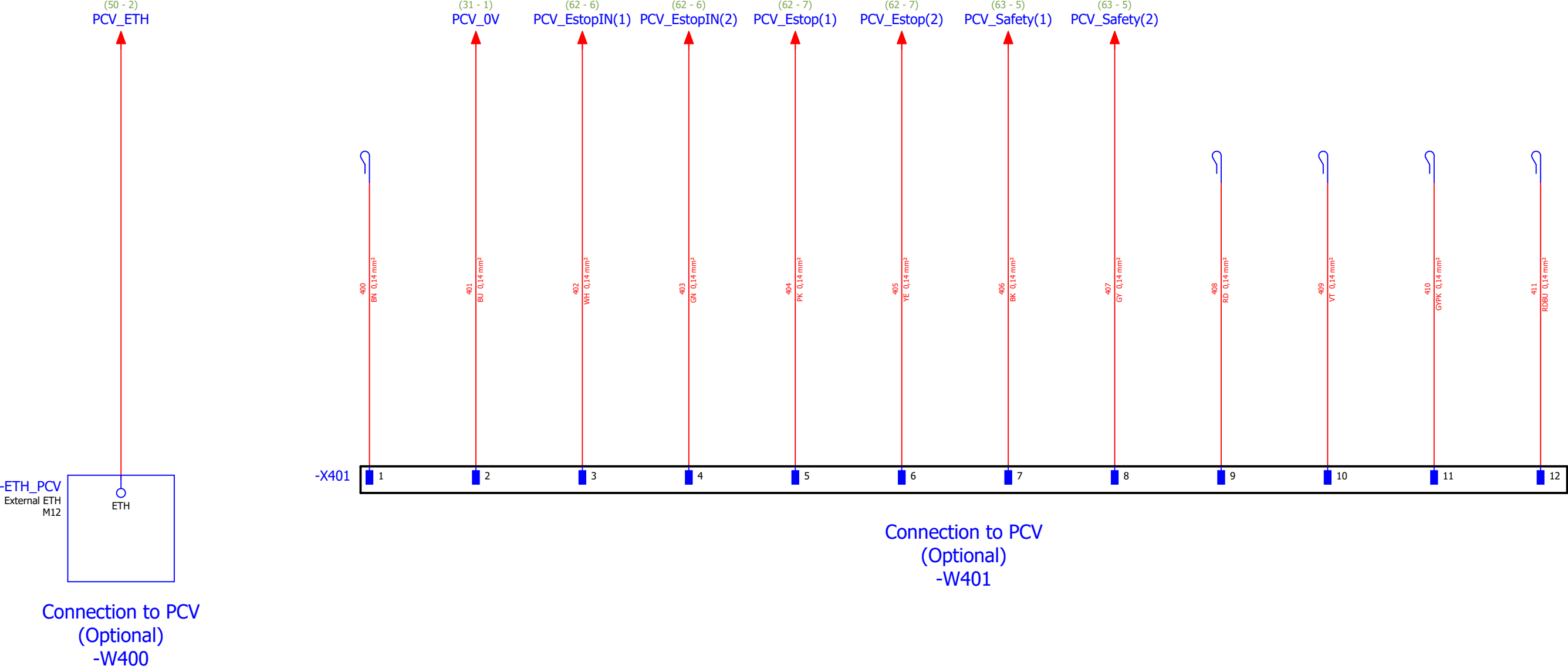
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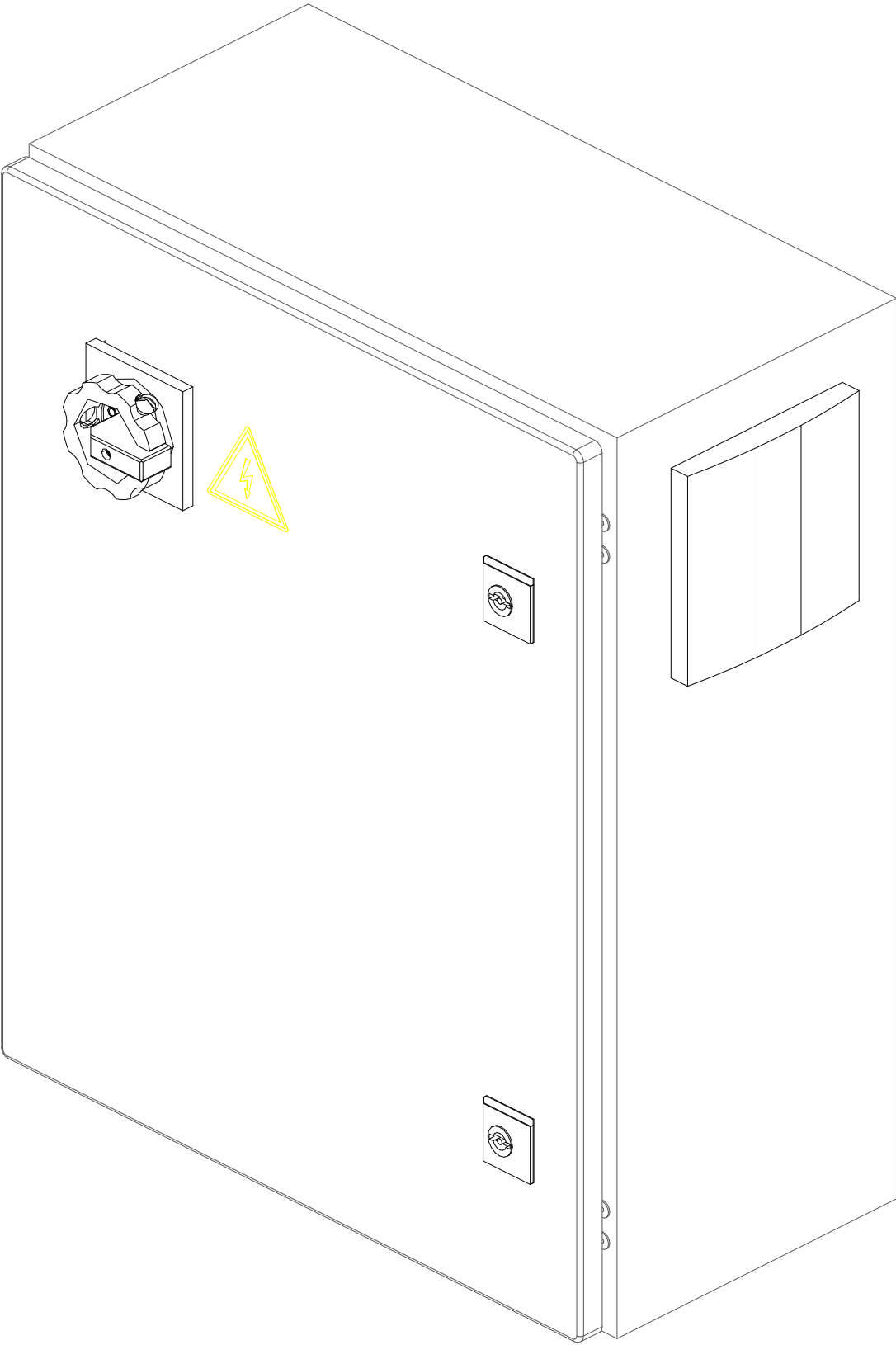


To connect optional Scanners Kit
Please refer to the user manual for more information.

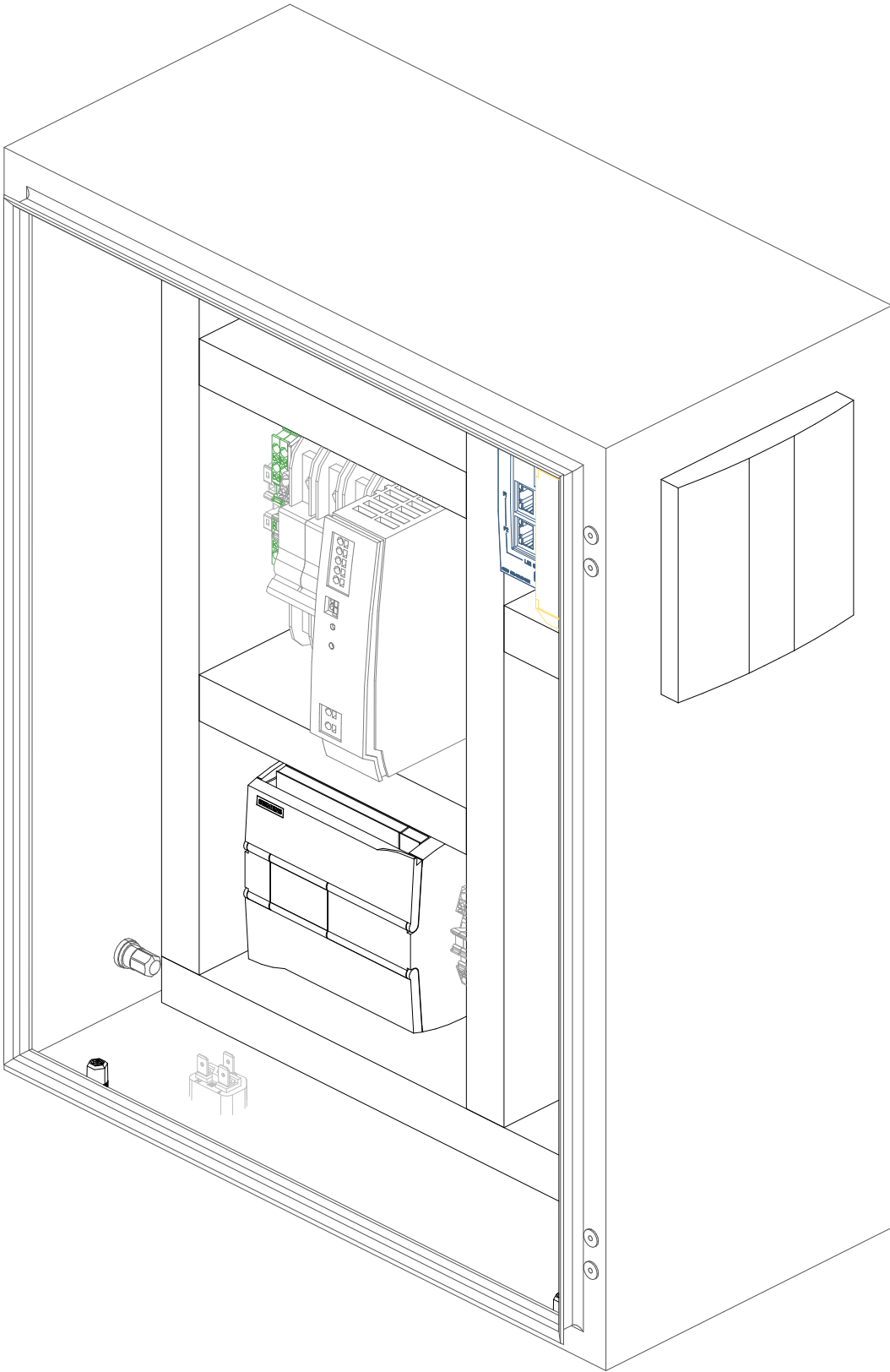
Optional scanners





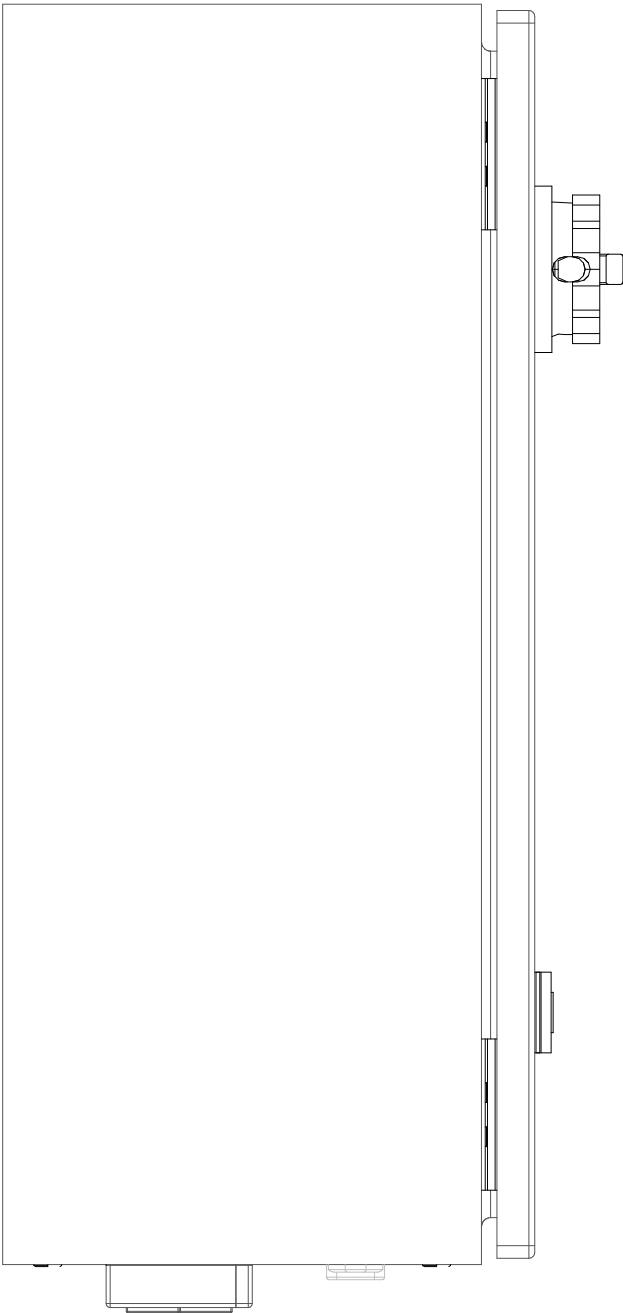


Outside

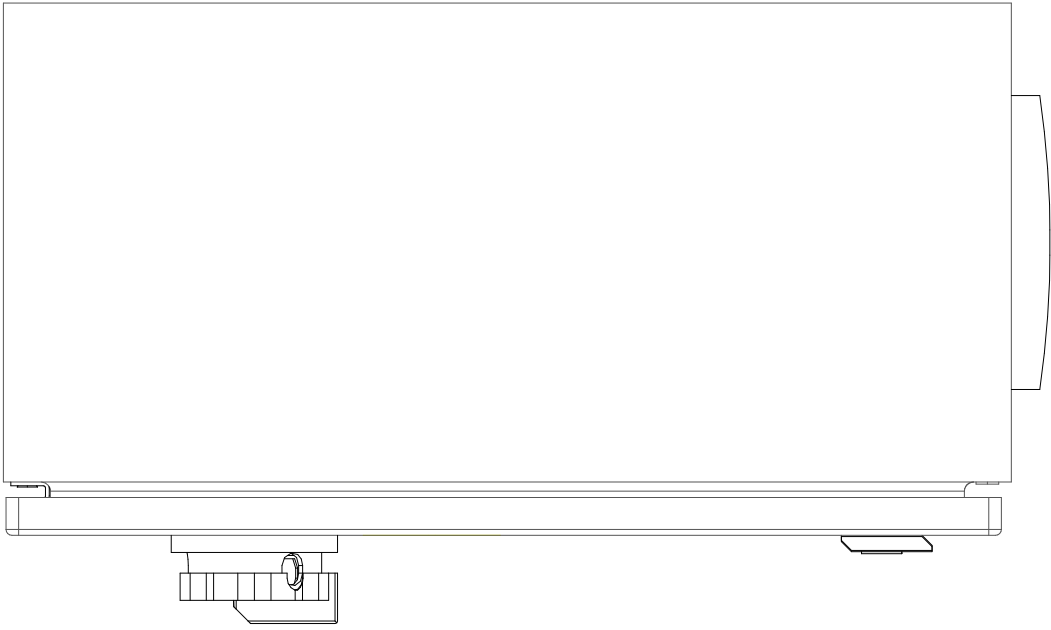


Inside

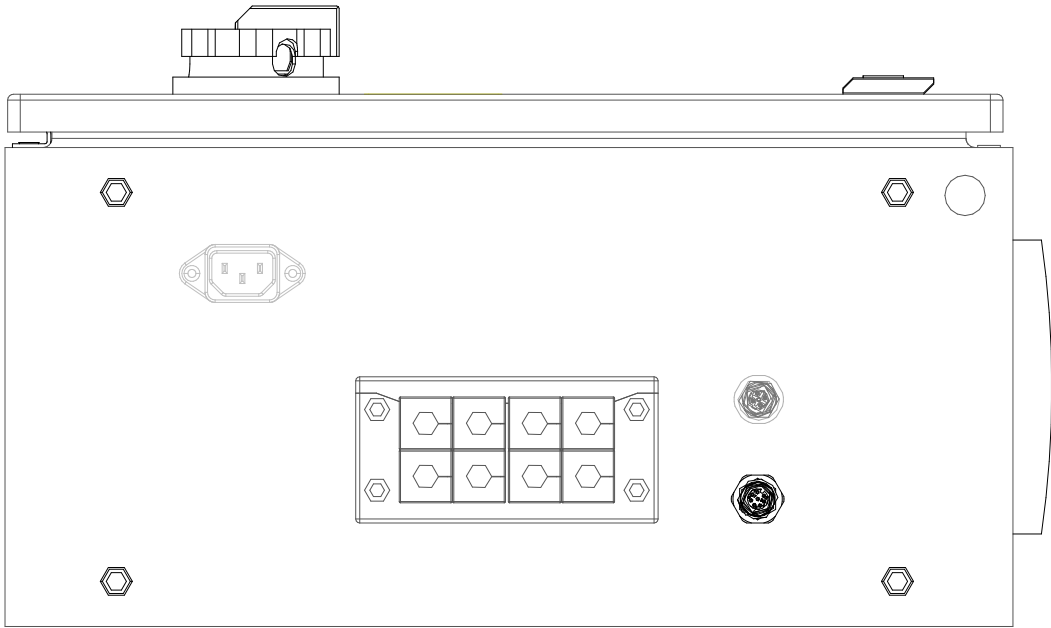
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1.0.3	2024-12-17	fellabb	Created by	
1.0.2	2024-09-19	fellabb	Approved by	
Modification	Date	Name	Revision	1.0.4



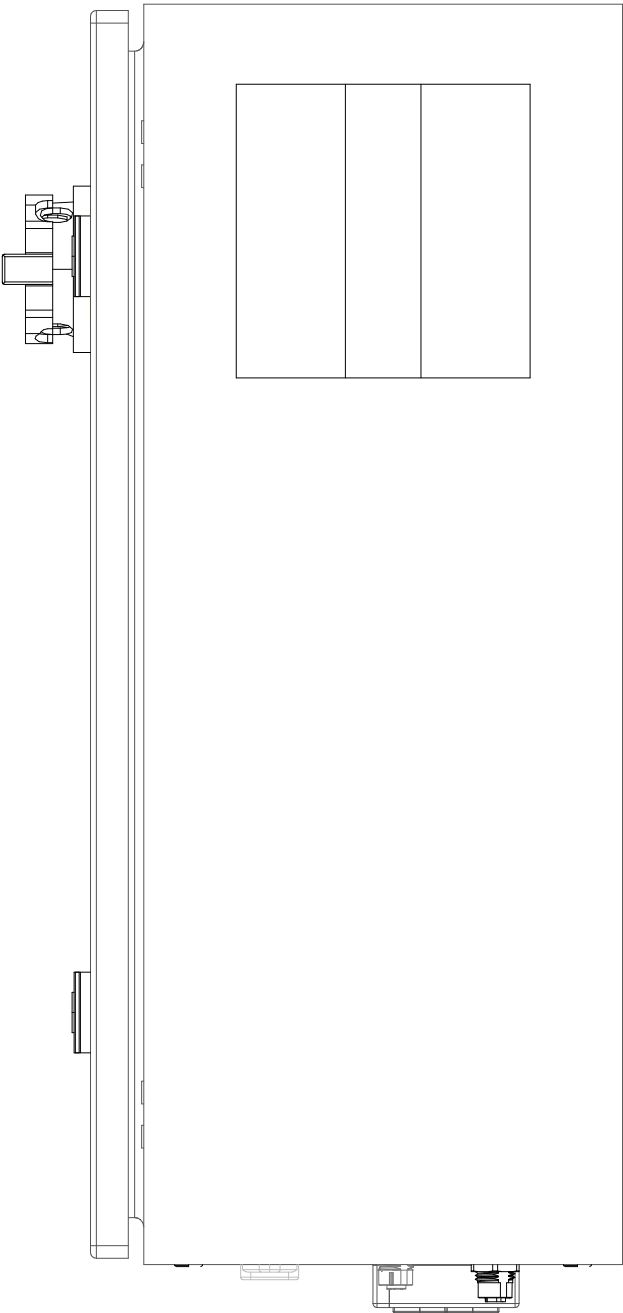
Left Side



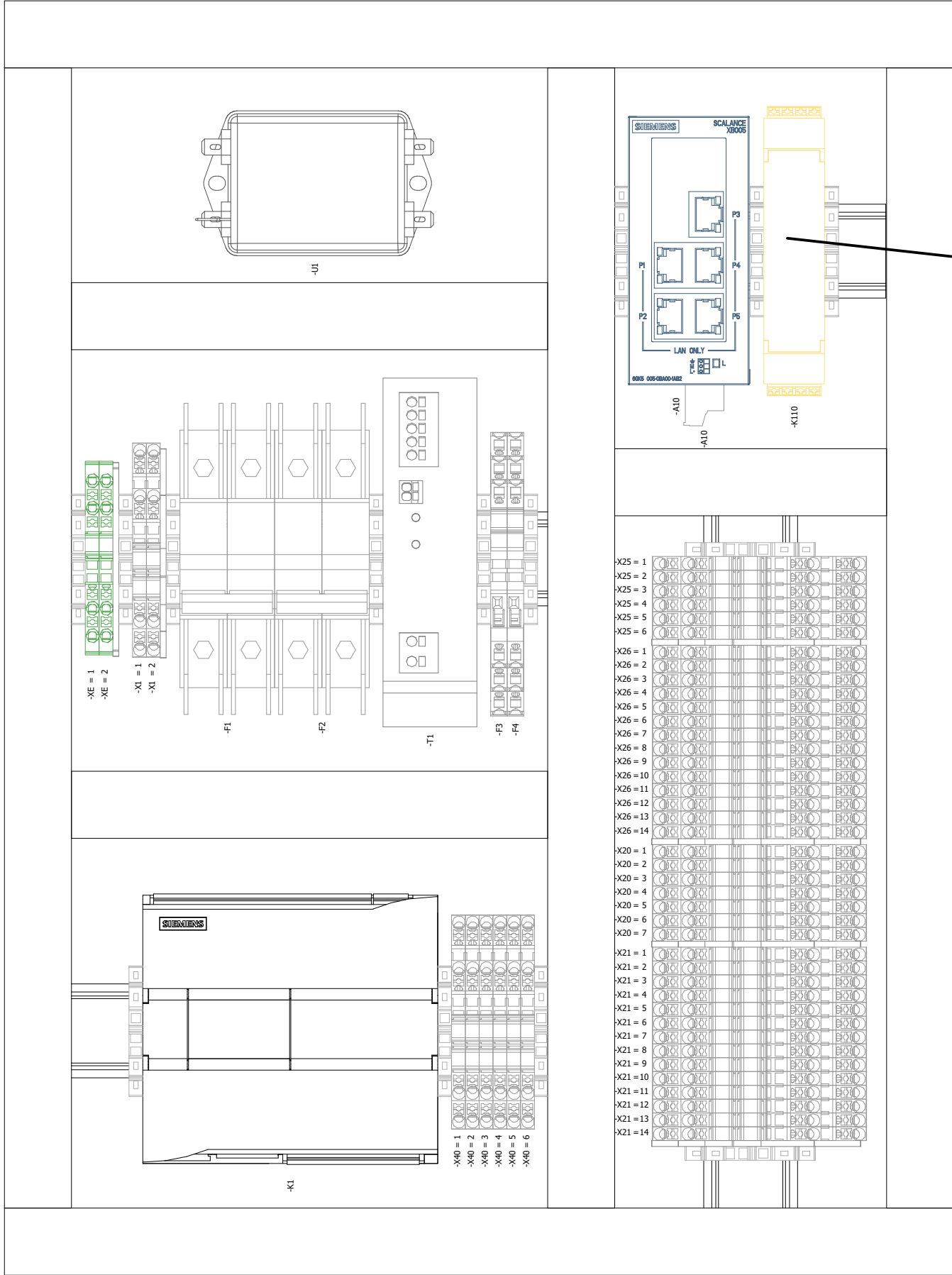
Top



Bottom

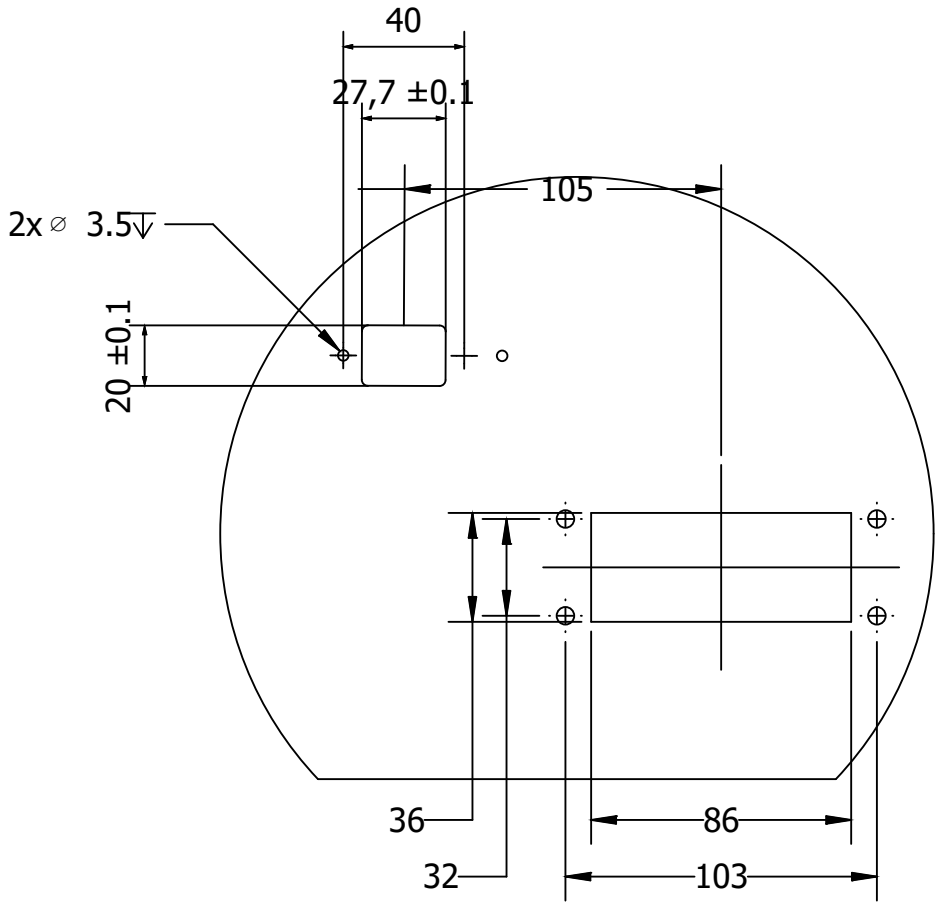
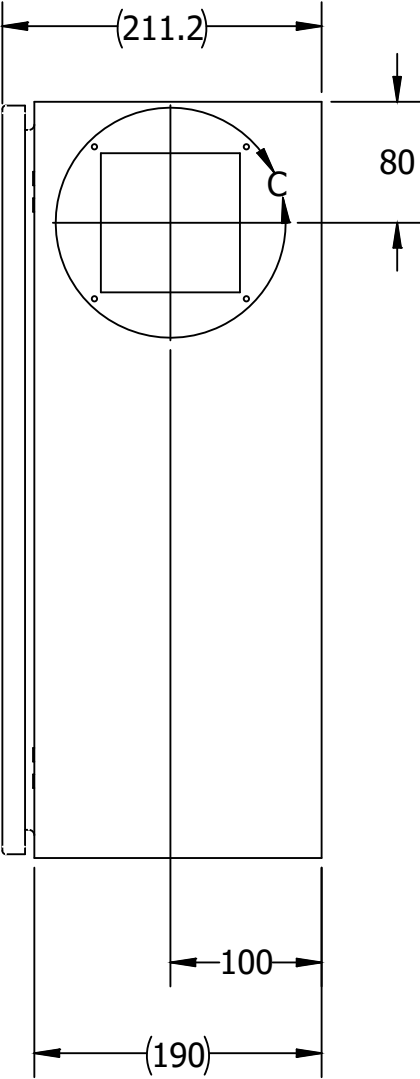
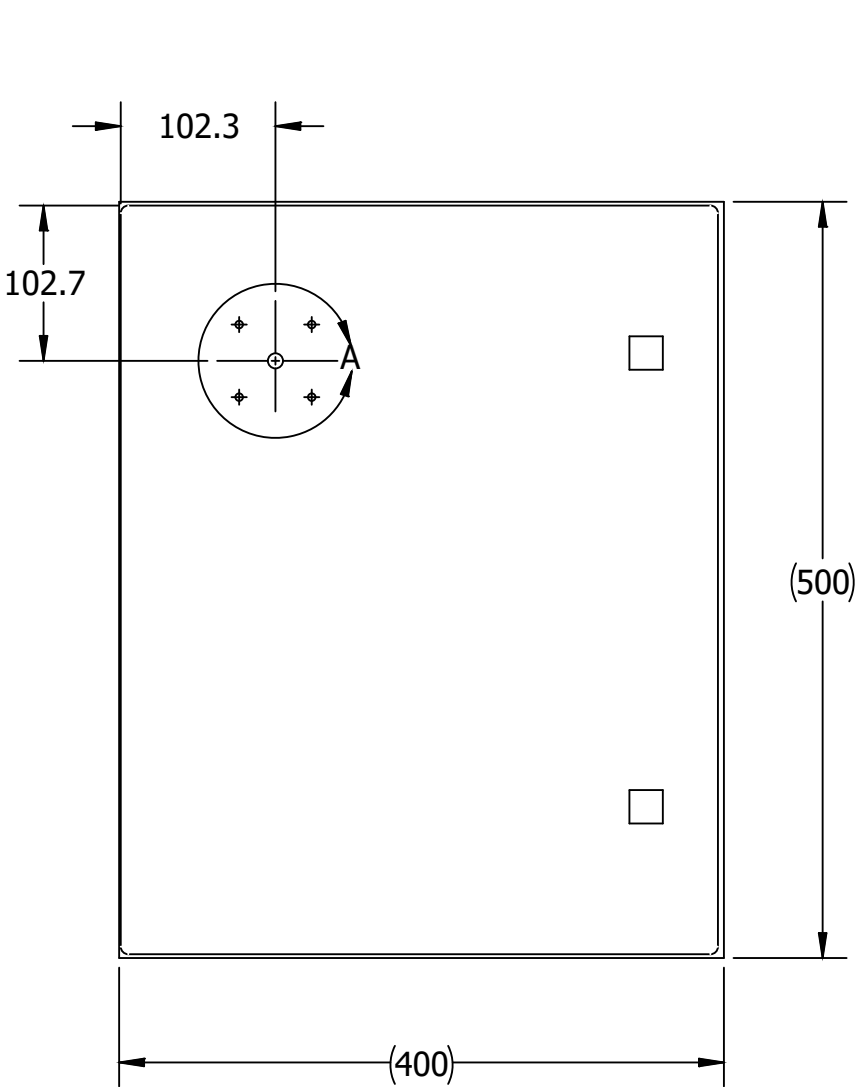


Right Side

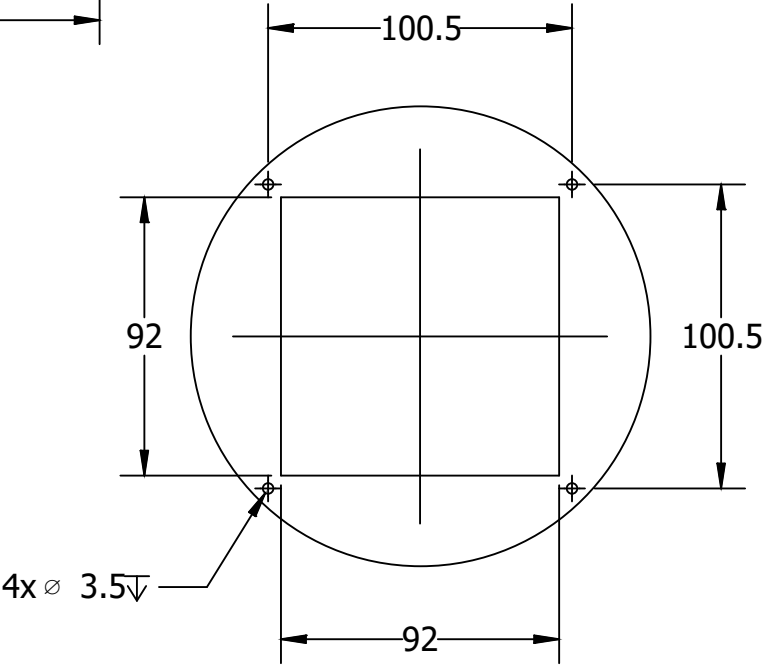
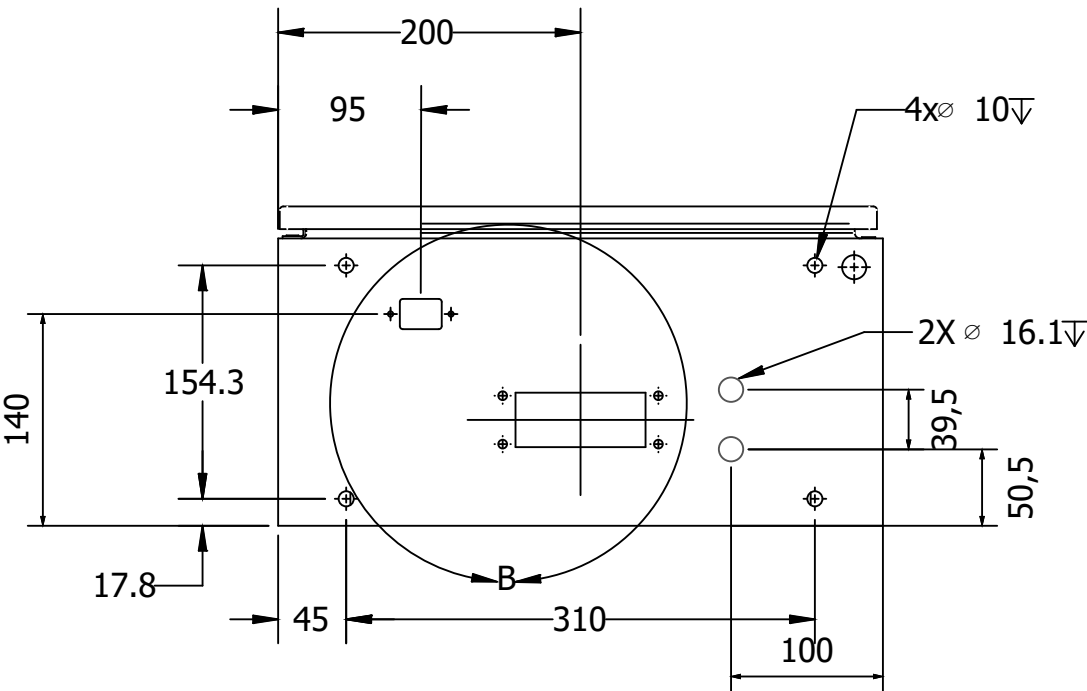


Safety Option

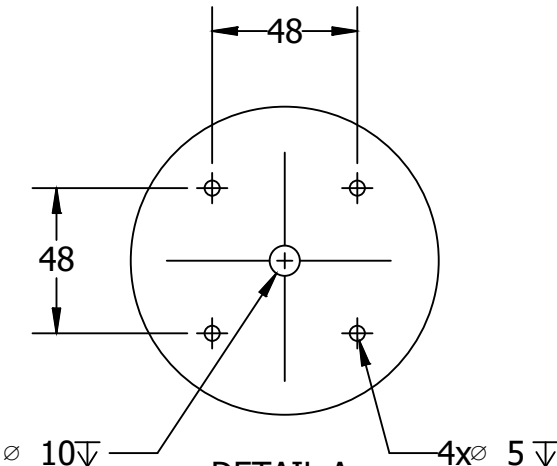
Mounting plate



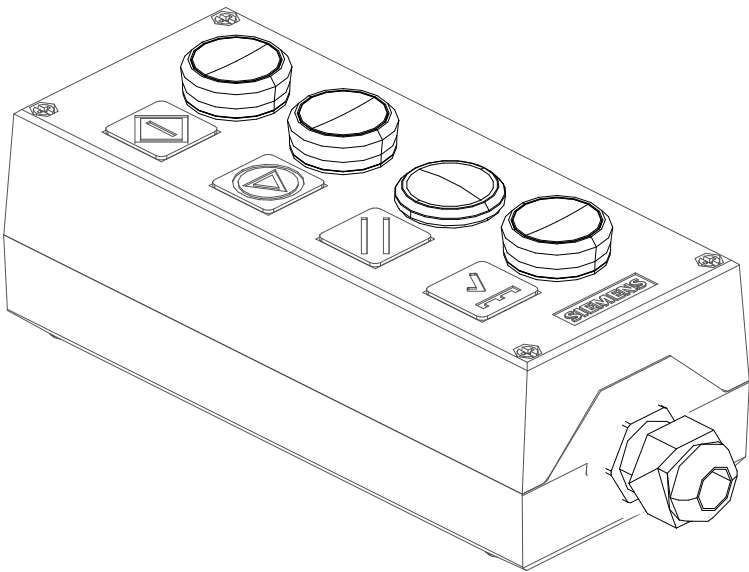
DETAIL B
SCALE 2 : 5



DETAIL C
SCALE 2 : 5



DETAIL A
SCALE 2 : 5



Pushbuttons

Parts list

Parts List Robotiq

Device tag	Qty	Designation	Order number	Manufacturer	ERP number
Placement				Supplier	Function text
	2	Inline splicing connector 221-2401	221-2401	Wago DGY	R-00102
1	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
2	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
3	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
4	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
5	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
6	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
7	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
8	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
9	2	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
10	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
A10	2	SCALANCE XB005 6GK5005-0BA00-1AB2	6GK5005-0BA00-1AB2	Siemens FRE	
A10	1	SCALANCE XB005 6GK5005-0BA00-1AB2	6GK5005-0BA00-1AB2	Siemens FRE	
BG1	1	nanoScan3 Core I/O NANS3-AAAZ30AN1	1100333	SICK 6MGB	
BG1-W120	1	nanoScan3 Core I/O system plug NANSX-AAABZZZZ1	2105106	SICK 6MGB	
BG2	1	nanoScan3 Core I/O NANS3-AAAZ30AN1	1100333	SICK 6MGB	
BG2-W122	1	nanoScan3 Core I/O system plug NANSX-AAABZZZZ1	2105106	SICK 6MGB	
BG3	1	nanoScan3 Core I/O NANS3-AAAZ30AN1	1100333	SICK 6MGB	

Parts list

Parts List Robotiq

Device tag	Qty	Designation	Order number	Manufacturer	ERP number
Placement				Supplier	Function text
BG3-W124	1	nanoScan3 Core I/O system plug NANSX-AAABZZZZ1	2105106	SICK 6MGB	
ETH_PCV	2	Network cable VS-M12FSBPS-IP20-93E-LI/1,0	1404206	Phoenix Contact	
ETH_PCV	1	Network cable VS-M12FSBPS-IP20-93E-LI/1,0	1404206	Phoenix Contact	
F1	1	Circuit breaker TMC 82C 08A TMC 82C 08A	2907590	Phoenix Contact PAX	
F1	1	Circuit breaker TMC 82C 08A TMC 82C 08A	2907590	Phoenix Contact PAX	
F2	1	Circuit breaker TMC 82C 06A TMC 82C 06A	2907588	Phoenix Contact PAX	
F2	1	Circuit breaker TMC 82C 06A TMC 82C 06A	2907588	Phoenix Contact PAX	
F3	1	Electronic device circuit breaker PTCB E1 24DC/1-3A NO	2909909	Phoenix Contact PAX	
F3	1	Electronic device circuit breaker PTCB E1 24DC/1-3A NO	2909909	Phoenix Contact PAX	
F3	1	Plug-in bridge FBS 2-6 BU	3036932	Phoenix Contact PAX	
F3	1	Plug-in bridge FBS 2-6	3030336	Phoenix Contact PAX	
F4	1	Electronic device circuit breaker PTCB E1 24DC/1-3A NO	2909909	Phoenix Contact PAX	
F4	1	Electronic device circuit breaker PTCB E1 24DC/1-3A NO	2909909	Phoenix Contact PAX	
H1	1	Top LED multi colour beacon module PC7DMB	910140405	Auer Signals PAX	X-450014-A
H1	1	Base with integrated 5-pin M12 connector PC7MC5	910781405	Auer Signals PAX	X-450013-A
H2	1	Top LED multi colour beacon module PC7DMB	910140405	Auer Signals PAX	X-450014-A
H2	1	Base with integrated 5-pin M12 connector PC7MC5	910781405	Auer Signals PAX	X-450013-A
K1	1	CPU 1214C, DC/DC/DC, 14DI/10DO/2AI 6ES7214-1AG40-0XB0	6ES7214-1AG40-0XB0	Siemens FRE	

Device tag	Qty	Designation	Order number	Manufacturer	ERP number
Placement				Supplier	Function text
K1	1	CPU 1214C, DC/DC/DC, 14DI/10DO/2AI 6ES7214-1AG40-0XB0	6ES7214-1AG40-0XB0	Siemens FRE	
K110	1	Safety module PSR-M-B2-SDI8-SDO4-DO4-PI	1104975	Phoenix Contact PAX	X-090502-A
K110	1	Safety module PSR-M-B2-SDI8-SDO4-DO4-PI	1104975	Phoenix Contact PAX	X-090502-A
Q1	1	EM. STOP SWITCH 25A/690V 400V/9.5KW 3LD2103-0TK53	3LD2103-0TK53	Siemens FRE	
Q1	1	EM. STOP SWITCH 25A/690V 400V/9.5KW 3LD2103-0TK53	3LD2103-0TK53	Siemens FRE	
S1	1	SWITCH SNAP SPST-NO 100MA 125V Limit Switch	D2HW-C273MR	Omron PAX	X-990102-A
S2	1	SWITCH SNAP SPST-NO 100MA 125V Limit Switch	D2HW-C273MR	Omron PAX	X-990102-A
S3	1	SWITCH SNAP SPST-NO 100MA 125V Limit Switch	D2HW-C273MR	Omron PAX	X-990102-A
S4	1	SWITCH SNAP SPST-NO 100MA 125V Limit Switch	D2HW-C273MR	Omron PAX	X-990102-A
S10	1	PUSHBUTTON, WHITE 3SU1050-0AB60-0AA0	3SU1050-0AB60-0AA0	Siemens FRE	X-440001-A
S10	1	HOLDER 3SU1550-0AA10-0AA0	3SU1550-0AA10-0AA0	Siemens FRE	X-450001-A
S10	1	CONTACT MODULE 1NO 3SU1400-1AA10-1BA0	3SU1400-1AA10-1BA0	Siemens FRE	X-450002-A
S11	1	PUSHBUTTON, BLACK 3SU1050-0AB10-0AA0	3SU1050-0AB10-0AA0	Siemens FRE	X-440002-A
S11	1	HOLDER 3SU1550-0AA10-0AA0	3SU1550-0AA10-0AA0	Siemens FRE	X-450001-A
S11	1	CONTACT MODULE 1NO 3SU1400-1AA10-1BA0	3SU1400-1AA10-1BA0	Siemens FRE	X-450002-A
S12	1	SEALING PLUG, BLACK 3SU1900-0FA10-0AA0	3SU1900-0FA10-0AA0	Siemens FRE	
S12	1	HOLDER 3SU1550-0AA10-0AA0	3SU1550-0AA10-0AA0	Siemens FRE	X-450001-A
S12	1	CONTACT MODULE 1NO 3SU1400-1AA10-1BA0	3SU1400-1AA10-1BA0	Siemens FRE	X-450002-A

Parts list

Parts List Robotiq

Device tag	Qty	Designation	Order number	Manufacturer	ERP number
Placement				Supplier	Function text
S12	1	LED MODULE, BLUE 3SU1401-1BB50-1AA0	3SU1401-1BB50-1AA0	Siemens FRE	X-450003
S13	1	ILLUMINATED PUSHBUTTON, WHITE 3SU1051-0AB60-0AA0	3SU1051-0AB60-0AA0	Siemens SIE	R-00099
S13	1	HOLDER 3SU1550-0AA10-0AA0	3SU1550-0AA10-0AA0	Siemens FRE	X-450001-A
S13	1	CONTACT MODULE 1NO 3SU1400-1AA10-1BA0	3SU1400-1AA10-1BA0	Siemens FRE	X-450002-A
S13	1	LED MODULE, WHITE 3SU1401-1BB60-1AA0	3SU1401-1BB60-1AA0	Siemens SIE	R-00100
T1	1	Power supply unit TRIO-PS-2G/1AC/24DC/5	2903148	Phoenix Contact PAX	
T1	1	Power supply unit TRIO-PS-2G/1AC/24DC/5	2903148	Phoenix Contact PAX	
U1	1	Line filter/choke coil combination FN2030-20-06	802435	Schaffner EMC inc SCF	
U1	1	Line filter/choke coil combination FN2030-20-06	802435	Schaffner EMC inc SCF	
U10	1	Compact enclosures WM WM.1045250	1045250	Rittal	
U11	1	ENCLOSURE PLASTIC, 4 COMMAND POINTS 3SU1804-0AA00-0AB1	3SU1804-0AA00-0AB1	Siemens FRE	X-450015-A
U11	1	DOME CONN .500in NPT .23-.47in BLACK and locknut NPT Nylon Cord Grips	RDC13NA	Techspan FRE	
U11	1	M20 Flat Washer 0.118" (3.00mm) Thick Nylon WASHER FLAT M20 NYLON	RPC4352-ND	Digikey DGY	
U11	1	Start button symbol Sticker	PAL-059	Robotiq ROB	PAL-059
U11	1	Stop button symbol Sticker	PAL-060	Robotiq ROB	PAL-060
U11	1	Pallet button symbol Sticker	PAL-061	Robotiq ROB	PAL-061
U11	1	Reset symbol Sticker	PAL-132	Robotiq ROB	PAL-132
U15	1	TopTherm fan-and-filter units SK.3237208	3237208	Rittal PAX	

Parts list

Parts List Robotiq

Device tag	Qty	Designation	Order number	Manufacturer	ERP number
Placement				Supplier	Function text
U15	1	KEL-ER 16 8 / Cable entry frame, split, double row, IP65 KEL-ER 16 8	48168	Icetek IAC	
U15	4	Resistant Rivet Nuts M6x1.0 Interior Thread, .7-4.2mm Steel Twist-Resistant Rivet Nuts	95105A183	Mc Master MCM	
U15	2	Cam lock SZ.2420000	2420000	Rittal PAX	
U15	1	Ground cable (base to column) Prefabricated Ground Wire	PAL-AE010	Robotiq ROB	PAL-AE010
U15	1	Ground cable (base to Teach Pendant Support) Prefabricated Ground Wire	PAL-AE011	Robotiq ROB	PAL-AE011
U15	1	Electrical Shocks Hazard Sticker Sticker	Electrical Shocks Hazard	Robotiq ROB	
W2	1	VAC13KS, uninsulated wires, V-Lock cord retaining VAC13KS	6051.2089	Schurter Inc FRE	X-990131-A
W50	1	Sensor/actuator cable SAC-4P- 1,5-PUR/M12FS	1668108	Phoenix Contact PAX	
W60	1	Sensor/actuator cable SAC-4P- 1,5-PUR/M12FS	1668108	Phoenix Contact PAX	
W70	1	Sensor/actuator cable SAC-5P- 1,5-PUR/M12FS	1669822	Phoenix Contact PAX	
W71	1	Sensor/actuator cable SAC-5P-M12MS/10,0-PUR/M12FS	1403889	Phoenix Contact PAX	X-060891-A
W72	1	Sensor/actuator cable SAC-5P-M12MS/2,0-PUR/M12FS	1694758	Phoenix Contact PAX	X-060892-A
W80	1	Sensor/actuator cable SAC-5P- 1,5-PUR/M12FS	1669822	Phoenix Contact PAX	
W81	1	Sensor/actuator cable SAC-5P-M12MS/10,0-PUR/M12FS	1403889	Phoenix Contact PAX	X-060891-A
W82	1	Sensor/actuator cable SAC-5P-M12MS/2,0-PUR/M12FS	1694758	Phoenix Contact PAX	X-060892-A
W100	1	Sensor/actuator cable SAC-12P- 5,0-PUR/FS SCO	1430637	Phoenix Contact PAX	X-060905-A
W101	1	Sensor/actuator cable SAC-12P-MS/ 5,0-35T/FS SH SCO	1404940	Phoenix Contact PAX	X-060900-A
W102	1	Sensor/actuator cable SAC-12P-MS/ 3,0-PUR SCO	1430543	Phoenix Contact PAX	X-060901-A

Parts list

Parts List Robotiq

Device tag	Qty	Designation	Order number	Manufacturer	ERP number
Placement				Supplier	Function text
W103	1	Control and connection cable JZ-500 21 G 0.5 JZ-500	10018	Helukabel HELU	
W121	1	Sensor/actuator cable SAC-8P- 5,0-PUR/M12FS SH	1522888	Phoenix Contact PAX	X-060902-A
W123	1	Sensor/actuator cable SAC-8P- 5,0-PUR/M12FS SH	1522888	Phoenix Contact PAX	X-060902-A
W125	1	Sensor/actuator cable SAC-8P- 5,0-PUR/M12FS SH	1522888	Phoenix Contact PAX	X-060902-A
W200	1	Ethernet cable Cat5e 1ft 350Mhz RJ45 ETH Cables Cat6 1ft	AT-C5-1WH	Prime Cables PRC	
W201	1	Ethernet cable Cat6 10ft 550Mhz 24AWG ETH Cables Cat6 10ft	AT-C6-6BK	Prime Cables PRC	
X1	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
X1	2	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X1	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X1	2	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X1	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
X1	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X20	7	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X20	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X20	7	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X20	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
X20	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X21	14	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A

Parts list

Parts List Robotiq

Device tag	Qty	Designation	Order number	Manufacturer	ERP number
Placement				Supplier	Function text
X21	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X21	16	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X21	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
X21	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X25	6	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X25	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
X25	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X25	6	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X25	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
X25	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X26	14	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X26	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X26	14	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X26	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
X26	1	End cover D-STTBS 2,5	3038503	Phoenix Contact PAX	X-140114-A
X40	6	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X40	6	Double-level terminal block PTTBS 2,5	3209604	Phoenix Contact PAX	X-140116-A
X100	1	IEC Appliance Inlet C14 Power Entry Connector Receptacle	6162.0159	Schurter Inc FRE	

Device tag	Qty	Designation	Order number	Manufacturer	ERP number
Placement				Supplier	Function text
X100	1	IEC Appliance Inlet C14 Power Entry Connector Receptacle	6162.0159	Schurter Inc FRE	
X120	1	Connector SACC-M12MS-4PL M	1424657	Phoenix Contact PAX	
X121	1	Connector SACC-M12MS-4PL M	1424657	Phoenix Contact PAX	
X401	1	Flush-type connector SACC-DSI-M12FS-12CON-M16/0,5	1419713	Phoenix Contact PAX	
XE	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
XE	2	Ground modular terminal block PT 2,5-QUATTRO-PE	3209594	Phoenix Contact PAX	
XE	1	End cover D-ST 2,5-QUATTRO	3030514	Phoenix Contact PAX	
XE	2	Ground modular terminal block PT 2,5-QUATTRO-PE	3209594	Phoenix Contact PAX	
XE	1	End clamp CLIPFIX 35-5	3022276	Phoenix Contact PAX	X-140113-A
XE	1	End cover D-ST 2,5-QUATTRO	3030514	Phoenix Contact PAX	

Summarized parts list

Summarized Parts List Robotiq

Manufacturer	ERP number	Order number	Designation	Type number	Quantity	DT
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Phoenix Contact		1404206	Network cable	VS-M12FSBPS-IP20-93E-LI/1,0	1	ETH_PCV
Rittal		1045250	Compact enclosures WM	WM.1045250	1	U10

SICK		1100333	nanoScan3 Core I/O	NANS3-AAAZ30AN1	3	BG1...BG3
SICK		2105106	nanoScan3 Core I/O system plug	NANSX-AAABZZZ1	3	BG1-W120;BG2-W122;BG3-W124

Digikey		RPC4352-ND	M20 Flat Washer 0.118" (3.00mm) Thick Nylon	WASHER FLAT M20 NYLON	1	U11
Wago	R-00102	221-2401	Inline splicing connector	221-2401	2	

Schurter Inc	X-990131-A	6051.2089	VAC13KS, uninsulated wires, V-Lock cord retaining	VAC13KS	1	W2
Schurter Inc		6162.0159	IEC Appliance Inlet C14	Power Entry Connector Receptacle	1	X100
Siemens		6GK5005-0BA00-1AB2	SCALANCE XB005	6GK5005-0BA00-1AB2	1	A10
Siemens		6ES7214-1AG40-0XB0	CPU 1214C, DC/DC/DC, 14DI/10DO/2AI	6ES7214-1AG40-0XB0	1	K1
Siemens		3LD2103-0TK53	EM. STOP SWITCH 25A/690V 400V/9.5KW	3LD2103-0TK53	1	Q1
Siemens	X-440001-A	3SU1050-0AB60-0AA0	PUSHBUTTON, WHITE	3SU1050-0AB60-0AA0	1	S10
Siemens	X-450001-A	3SU1550-0AA10-0AA0	HOLDER	3SU1550-0AA10-0AA0	4	S10...S13
Siemens	X-450002-A	3SU1400-1AA10-1BA0	CONTACT MODULE 1NO	3SU1400-1AA10-1BA0	4	S10...S13
Siemens	X-440002-A	3SU1050-0AB10-0AA0	PUSHBUTTON, BLACK	3SU1050-0AB10-0AA0	1	S11
Siemens		3SU1900-0FA10-0AA0	SEALING PLUG, BLACK	3SU1900-0FA10-0AA0	1	S12
Siemens	X-450003	3SU1401-1BB50-1AA0	LED MODULE, BLUE	3SU1401-1BB50-1AA0	1	S12
Siemens	X-450015-A	3SU1804-0AA00-0AB1	ENCLOSURE PLASTIC, 4 COMMAND POINTS	3SU1804-0AA00-0AB1	1	U11
Techspan		RDC13NA	DOME CONN .500in NPT .23-.47in BLACK and locknut	NPT Nylon Cord Grips	1	U11

Helukabel		10018	Control and connection cable JZ-500 21 G 0.5	JZ-500	1	W103
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Icotek		48168	KEL-ER 16 8 / Cable entry frame, split, double row, IP65	KEL-ER 16 8	1	U15
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Summarized parts list

Summarized Parts List Robotiq

Manufacturer	ERP number	Order number	Designation	Type number	Quantity	DT
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Mc Master		95105A183	Resistant Rivet Nuts M6x1.0 Interior Thread, .7-4.2mm	Steel Twist-Resistant Rivet Nuts	4	U15
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Auer Signals	X-450014-A	910140405	Top LED multi colour beacon module	PC7DMB	2	H1;H2
Auer Signals	X-450013-A	910781405	Base with integrated 5-pin M12 connector	PC7MC5	2	H1;H2
Omron	X-990102-A	D2HW-C273MR	SWITCH SNAP SPST-NO 100MA 125V	Limit Switch	4	S1...S4
Phoenix Contact		2907590	Circuit breaker TMC 82C 08A	TMC 82C 08A	1	F1
Phoenix Contact		2907588	Circuit breaker TMC 82C 06A	TMC 82C 06A	1	F2
Phoenix Contact		2909909	Electronic device circuit breaker	PTCB E1 24DC/1-3A NO	2	F3;F4
Phoenix Contact		3036932	Plug-in bridge	FBS 2-6 BU	1	F3
Phoenix Contact		3030336	Plug-in bridge	FBS 2-6	1	F3
Phoenix Contact	X-090502-A	1104975	Safety module	PSR-M-B2-SDI8-SDO4-DO4-PI	1	K110
Phoenix Contact		2903148	Power supply unit	TRIO-PS-2G/1AC/24DC/5	1	T1
Phoenix Contact		1668108	Sensor/actuator cable	SAC-4P- 1,5-PUR/M12FS	2	W50;W60
Phoenix Contact		1669822	Sensor/actuator cable	SAC-5P- 1,5-PUR/M12FS	2	W70;W80
Phoenix Contact	X-060905-A	1430637	Sensor/actuator cable	SAC-12P- 5,0-PUR/FS SCO	1	W100
Phoenix Contact	X-060900-A	1404940	Sensor/actuator cable	SAC-12P-MS/ 5,0-35T/FS SH SCO	1	W101
Phoenix Contact	X-060902-A	1522888	Sensor/actuator cable	SAC-8P- 5,0-PUR/M12FS SH	3	W121;W123;W125
Phoenix Contact	X-140116-A	3209604	Double-level terminal block	PTTBS 2,5	51	X1;X20;X21;X25;X26;X40
Phoenix Contact	X-140113-A	3022276	End clamp	CLIPFIX 35-5	6	X1;X20;X21;X25;X26;XE
Phoenix Contact	X-140114-A	3038503	End cover	D-STTBS 2,5	5	X1;X20;X21;X25;X26
Phoenix Contact		3209594	Ground modular terminal block	PT 2,5-QUATTRO-PE	2	XE
Phoenix Contact		3030514	End cover	D-ST 2,5-QUATTRO	1	XE
Phoenix Contact	X-060891-A	1403889	Sensor/actuator cable	SAC-5P-M12MS/10,0-PUR/M12FS	2	W71;W81
Phoenix Contact	X-060892-A	1694758	Sensor/actuator cable	SAC-5P-M12MS/2,0-PUR/M12FS	2	W72;W82
Phoenix Contact		1424657	Connector	SACC-M12MS-4PL M	2	X120;X121
Phoenix Contact	X-060901-A	1430543	Sensor/actuator cable	SAC-12P-MS/ 3,0-PUR SCO	1	W102
Rittal		3237208	TopTherm fan-and-filter units	SK.3237208	1	U15

Summarized parts list

Summarized Parts List Robotiq

Manufacturer	ERP number	Order number	Designation	Type number	Quantity	DT
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Rittal		2420000	Cam lock	SZ.2420000	2	U15
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Prime Cables		AT-C5-1WH	Ethernet cable Cat5e 1ft 350Mhz RJ45	ETH Cables Cat6 1ft	1	W200
Prime Cables		AT-C6-6BK	Ethernet cable Cat6 10ft 550Mhz 24AWG	ETH Cables Cat6 10ft	1	W201

Robotiq	PAL-AE010	PAL-AE010	Ground cable (base to column)	Prefabricated Ground Wire	1	U15
Robotiq	PAL-AE011	PAL-AE011	Ground cable (base to Teach Pendant Support)	Prefabricated Ground Wire	1	U15
Robotiq		Electrical Shocks Hazard	Electrical Shocks Hazard Sticker	Sticker	1	U15
Robotiq	PAL-059	PAL-059	Start button symbol	Sticker	1	U11
Robotiq	PAL-060	PAL-060	Stop button symbol	Sticker	1	U11
Robotiq	PAL-061	PAL-061	Pallet button symbol	Sticker	1	U11
Robotiq	PAL-132	PAL-132	Reset symbol	Sticker	1	U11

Schaffner EMC inc		802435	Line filter/choke coil combination	FN2030-20-06	1	U1
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Siemens	R-00099	3SU1051-0AB60-0AA0	ILLUMINATED PUSHBUTTON, WHITE	3SU1051-0AB60-0AA0	1	S13
Siemens	R-00100	3SU1401-1BB60-1AA0	LED MODULE, WHITE	3SU1401-1BB60-1AA0	1	S13

Terminal diagram

Function text									Cable name	Terminal X20						Cable name	-W125					Page / column
										Target designation	Connection point	Terminal	Level	Jumper	Target designation	Connection point						
												6	2		W125-W125	1					(64 - 7)	
											6	1	W125-W125		3	(64 - 8)						
											7	2				(64 - 9)						
											7	1				(64 - 9)						

1.0.4	2025-02-28	fellabb	Date	2025-02-28
1.0.3	2024-12-17	fellabb	Created by	
1.0.2	2024-09-19	fellabb	Approved by	
Modification	Date	Name	Revision	1.0.4



Terminal diagram

Terminal X21										Cable name						Page / column					
Cable name		Cable type		Target designation		Connection point		Cable type		JZ-500											
Function text										Cable name		Cable type		Target designation		Connection point		Cable type		JZ-500	

Terminal diagram

Terminal X25														Cable name		-W80	-W70	-W60	-W50	Page / column																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Terminal diagram

Function text							-W80	-W70	Cable name	Terminal X26							Cable name						Page / column
										Target designation	Connection point	Terminal	Level	Jumper	Target designation	Connection point							
								BK		W70	4	1	2	•	K1	-X12:3							(31 - 1)
										K1	-X10:7	1	1	•									(30 - 3)
								BN		W70	1	2	2	•	K1	-X12:4							(31 - 2)
										K1	-X10:8	2	1	•									(30 - 3)
								WH		W70	2	3	2	•	K1	-X12:5							(31 - 3)
										K1	-X10:9	3	1	•									(30 - 4)
												4	2	•	K1	-X12:6							(31 - 3)
										K1	-X10:10	4	1	•									(30 - 4)
							BK			W80	4	5	2	•	K1	-X12:7							(31 - 4)
										K1	-X10:11	5	1	•	X21	13:1							(30 - 4)
							BN			W80	1	6	2	•	K1	-X12:8							(31 - 5)
										K1	-X10:12	6	1	•									(30 - 5)
										W80	2	7	2	•	K1	-X12:9							(31 - 5)
							WH			K1	-X10:13	7	1	•									(30 - 5)
												8	2	•	K1	-X12:10							(31 - 6)
										K1	-X10:14	8	1	•									(30 - 5)
										X21	13:2	9	2	•	K1	-X12:11							(31 - 7)
										K1	-X10:15	9	1	•									(30 - 6)
										X21	14:1	10	2	•	K1	-X12:12							(31 - 7)
										K1	-X10:16	10	1	•									(30 - 6)
												11	2	•									
										K1	-X10:17	11	1	•									(30 - 7)
												12	2	•									
										K1	-X10:18	12	1	•									(30 - 7)
												13	2	•									
										K1	-X10:19	13	1	•	K110	8							(30 - 7)
												14	2	•									
										K1	-X10:20	14	1	•	K110	12							(30 - 8)

Terminal diagram

[illegible]

Terminal diagram

Function text									Cable name	Terminal XE						Cable name					Page / column
									Cable type	Target designation	Connection point	Terminal	Level	Jumper	Target designation	Connection point	Cable type				
												1	0	•	X100	PE					(10 - 1)
												2	0	•	K1	-X10:3					(30 - 1)
												2	0	•	U20	1					(10 - 7)
												2	0	•	A10	US:3					(50 - 2)

Cable name

-W2

Cable type

VAC13KS

Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	F1				
Cabinet 1	F1				
Cabinet 1	XE:1:0				

1,5 m

-W2

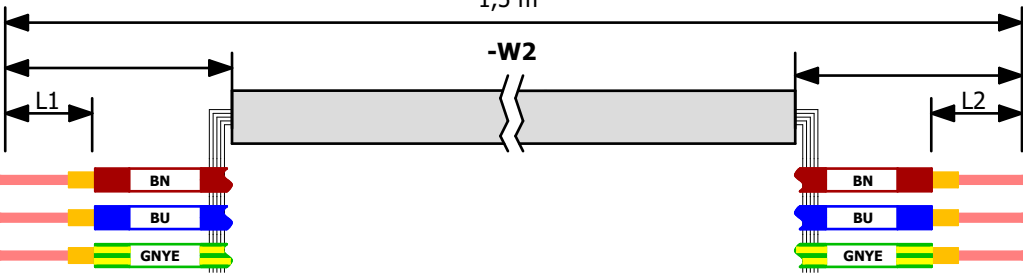
L1

L2

BN

BU

GNYE



Cable parts

SCH.6051.2089

Order number

6051.2089

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				X101	Cabinet 1
				X101	Cabinet 1
				X101	Cabinet 1

Cable name

-W3

Cable type

Free conductors

0

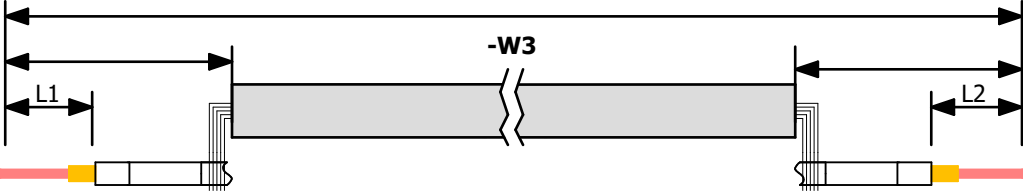
Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	W1				

1,5 m

-W3

L1

L2



Cable parts

Order number

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				W1	Cabinet 1

Cable name

-W50

Cable type

SAC-4P- 1,5-PUR/M12FS

Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	X25:2:2				
Cabinet 1	X25:2:1				

1,5 m

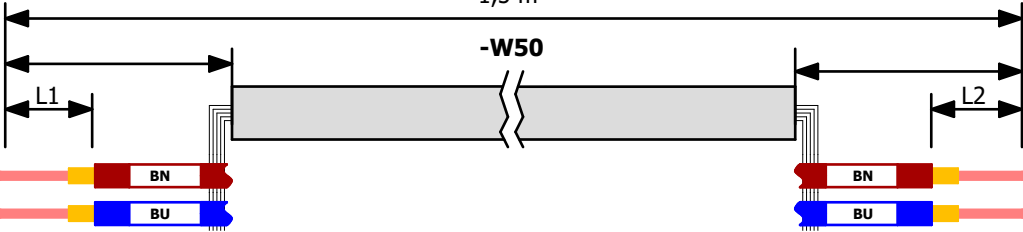
-W50

L1

L2

BN

BU



Cable parts

PXC.1668108

Order number

1668108

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				W50	Cabinet 1
				W50	Cabinet 1

Cable name

-W60

Cable type

SAC-4P- 1,5-PUR/M12FS

Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	X25:3:1				
Cabinet 1	X25:3:2				

1,5 m

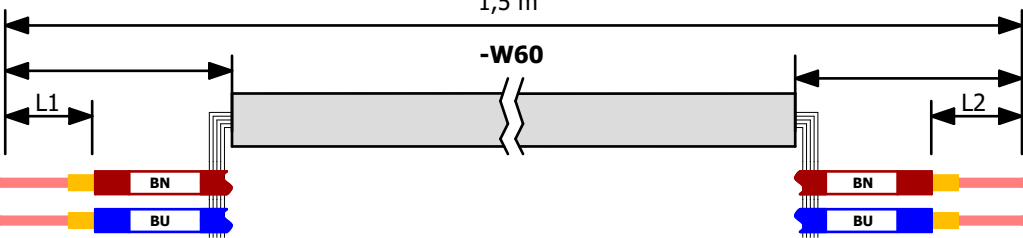
-W60

L1

L2

BN

BU



Cable parts

PXC.1668108

Order number

1668108

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				W60	Cabinet 1
				W60	Cabinet 1

Cable name

-W70

Cable type

SAC-5P- 1,5-PUR/M12FS

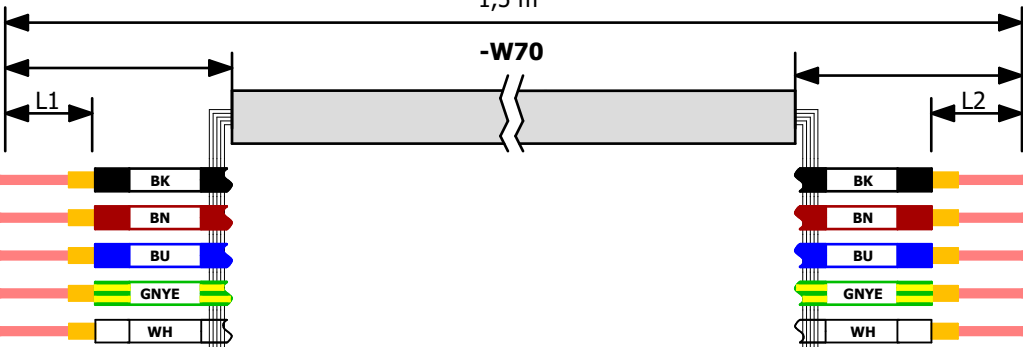
Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	W70:4				
Cabinet 1	W70:1				
Cabinet 1	W70:3				
Cabinet 1	W70:5				
Cabinet 1	W70:2				

1,5 m

-W70



Cable parts

PXC.1669822

Order number

1669822

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				X26:1:2	Cabinet 1
				X26:2:2	Cabinet 1
				X25:5:1	Cabinet 1
				W70	Cabinet 1
				X26:3:2	Cabinet 1

Cable name

-W71

Cable type

SAC-5P-M12MS/10,0-PUR/M12FS

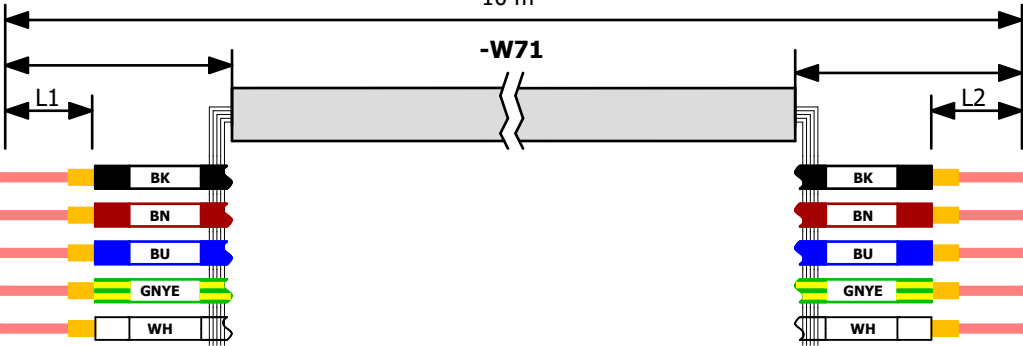
Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
	W71:4				
	W71:1				
	W71:3				
	W71:5				
	W71:2				

10 m

-W71



Cable parts

PXC.1403889

Order number

1403889

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				W71:4	
				W71:1	
				W71:3	
				W71:5	
				W71:2	

Cable name

-W72

Cable type

SAC-5P-M12MS/2,0-PUR/M12FS

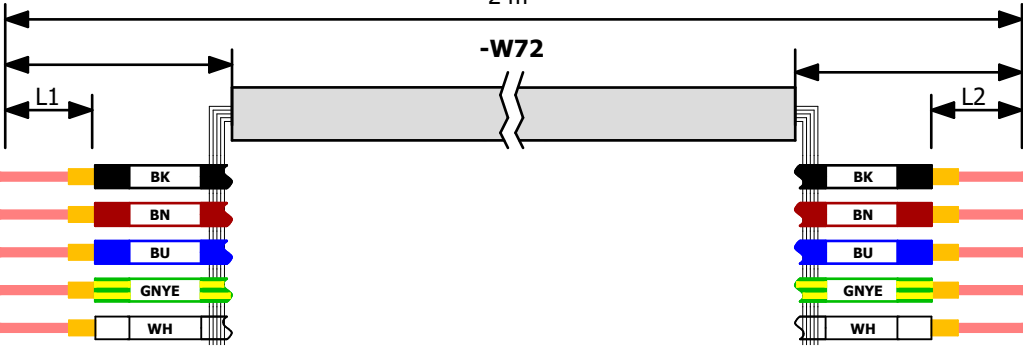
Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
	W72:4				
	W72:1				
	W72:3				
	W72:5				
	W72:2				

2 m

-W72



Cable parts

PXC.1694758

Order number

1694758

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				W72:4	
				W72:1	
				W72:3	
				W72:5	
				W72:2	

Cable name

-W80

Cable type

SAC-5P- 1,5-PUR/M12FS

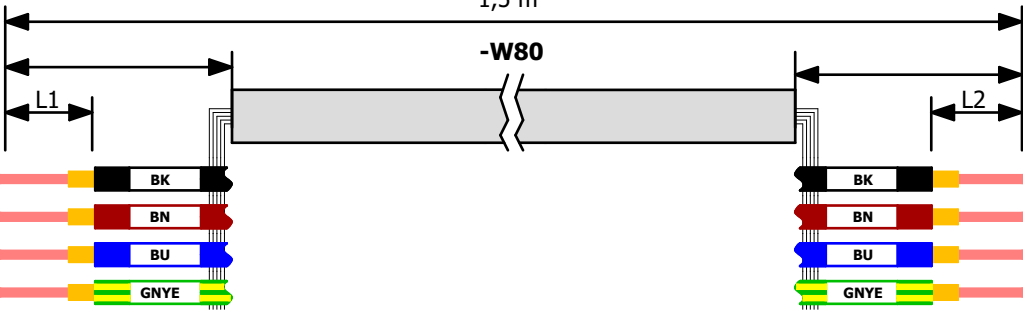
Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	W80:4				
Cabinet 1	W80:1				
Cabinet 1	W80:3				
Cabinet 1	W80:5				

1,5 m

-W80



Cable parts

PXC.1669822

Order number

1669822

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				X26:5:2	Cabinet 1
				X26:6:2	Cabinet 1
				X25:6:1	Cabinet 1
				W80	Cabinet 1

300

1.0.4	2025-02-28	fellabb	Date	2024-12-18
1.0.3	2024-12-17	fellabb	Created by	
1.0.2	2024-09-19	fellabb	Approved by	
Modification	Date	Name	Revision	1.0.4

Palletizing

PE10 Solution



Cable diagram:W70 :W71 :W72 :W80

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Cable name

-W80

Cable type

SAC-5P- 1,5-PUR/M12FS

Free conductors

0

Mounting location:

Source

Function text source

Stopper

L1
[mm]

Part number

Cabinet 1

W80:2

1,5 m

-W80

L1

L2

WH

WH

Cable parts

PXC.1669822

Order number

1669822

Part number

L2
[mm]

Stopper

Function text target

Target

Mounting location:

X26:7:2

Cabinet 1

Cable name

-W81

Cable type

SAC-5P-M12MS/10,0-PUR/M12FS

Free conductors

0

Mounting location:

Source

Function text source

Stopper

L1
[mm]

Part number

W81:4

W81:1

W81:3

W81:5

W81:2

10 m

-W81

L1

L2

BK

BN

BU

GNYE

WH

BK

BN

BU

GNYE

WH

Cable parts

PXC.1403889

Order number

1403889

Part number

L2
[mm]

Stopper

Function text target

Target

Mounting location:

W81:4

W81:1

W81:3

W81:5

W81:2

Cable name

-W82

Cable type

SAC-5P-M12MS/2,0-PUR/M12FS

Free conductors

0

Mounting location:

Source

Function text source

Stopper

L1
[mm]

Part number

W82:4

W82:1

W82:3

W82:5

W82:2

2 m

-W82

L1

L2

BK

BN

BU

GNYE

WH

BK

BN

BU

GNYE

WH

Cable parts

PXC.1694758

Order number

1694758

Part number

L2
[mm]

Stopper

Function text target

Target

Mounting location:

W82:4

W82:1

W82:3

W82:5

W82:2

Cable name

-W100

Cable type

SAC-12P- 5,0-PUR/FS SCO

Free conductors

0

Mounting location:

Source

Function text source

Stopper

L1
[mm]

Part number

Cabinet 1

W100:7

Cabinet 1

W100:1

Cabinet 1

W100:2

Cabinet 1

W100:4

Cabinet 1

W100:8

Cabinet 1

W100:11

Cabinet 1

W100:5

Cabinet 1

W100:9

Cabinet 1

W100:12

5 m

-W100

L1

L2

BK

BN

BU

GN

GY

GYPK

PK

RD

RDBU

BK

BN

BU

GN

GY

GYPK

PK

RD

RDBU

Cable parts

PXC.1430637

Order number

1430637

Part number

L2
[mm]

Stopper

Function text target

Target

Mounting location:

X21:13:1

Cabinet 1

X21:11:1

Cabinet 1

X21:11:2

Cabinet 1

X20:3:2

Cabinet 1

X21:13:2

Cabinet 1

X110

Cabinet 1

X21:12:2

Cabinet 1

X20:3:1

Cabinet 1

X110

Cabinet 1

301

1.0.4

2025-02-28

fellabb

Date

2024-08-20

1.0.3

2024-12-17

fellabb

Created by

1.0.2

2024-09-19

fellabb

Approved by

Modification

Date

Name

Revision

1.0.4

Palletizing

PE10 Solution

ROBOTIQ

Cable diagram:W80 :W81 :W82 :W100

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Cable name

-W100

Cable type

SAC-12P- 5,0-PUR/FS SCO

Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	W100:10				
Cabinet 1	W100:3				
Cabinet 1	W100:6				

5 m

-W100

L1

L2

VT

WH

YE

VT

WH

YE

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				X21:14:1	Cabinet 1
				X21:12:1	Cabinet 1
				X20:3:2	Cabinet 1

Cable name

-W101

Cable type

SAC-12P-MS/ 5,0-35T/FS SH SCO

Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	W101:7				
Cabinet 1	W101:1				
Cabinet 1	W101:2				
Cabinet 1	W101:4				
Cabinet 1	W101:8				
Cabinet 1	W101:11				
Cabinet 1	W101:5				
Cabinet 1	W101:9				
Cabinet 1	W101:12				
Cabinet 1	W101:10				
Cabinet 1	W101:3				
Cabinet 1	W101:6				

-W101

L1

L2

BK

BN

BU

GN

GY

GYPK

PK

RD

RDBU

VT

WH

YE

BK

BN

BU

GN

GY

GYPK

PK

RD

RDBU

VT

WH

YE

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				W101:7	Cabinet 1
				W101:1	Cabinet 1
				W101:2	Cabinet 1
				W101:4	Cabinet 1
				W101:8	Cabinet 1
				W101:11	Cabinet 1
				W101:5	Cabinet 1
				W101:9	Cabinet 1
				W101:12	Cabinet 1
				W101:10	Cabinet 1
				W101:3	Cabinet 1
				W101:6	Cabinet 1

Cable name

-W102

Cable type

SAC-12P-MS/ 3,0-PUR SCO

Free conductors

0

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
	W102:7				
	W102:1				
	W102:2				
	W102:4				
	W102:8				
	W102:11				
	W102:5				
	W102:9				
	W102:12				
	W102:10				
	W102:3				
	W102:6				

3 m

-W102

L1

L2

BK

BN

BU

GN

GY

GYPK

PK

RD

RDBU

VT

WH

YE

BK

BN

BU

GN

GY

GYPK

PK

RD

RDBU

VT

WH

YE

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				S13	
				S10	
				S11	
				S12	
				S13	
				W102	
				S12	
				W102	
				S12	
				S10	
				S13	

302

1.0.4	2025-02-28	fellabb	Date	2024-12-18
1.0.3	2024-12-17	fellabb	Created by	
1.0.2	2024-09-19	fellabb	Approved by	
Modification	Date	Name	Revision	1.0.4

Palletizing

PE10 Solution

ROBOTIQ

Cable diagram:W100 :W101 :W102

PAL-AE09

Folio

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304

Cable name

-W123

Cable type

SAC-8P- 5,0-PUR/M12FS SH

Free conductors

2

Cable parts

PXC.1522888

Order number

1522888

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	W123-W123:1				
Cabinet 1	W123-W123:3				
Cabinet 1	W123-W123:5				
Cabinet 1	W123-W123:6				
Cabinet 1	W123-W123:7				
Cabinet 1	W123-W123:8				

5 m

-W123

L1

L2

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				X20:5:2	Cabinet 1
				X20:5:1	Cabinet 1
				W123	Cabinet 1
				W123	Cabinet 1
				W123	Cabinet 1
				W123	Cabinet 1

Cable name

-W125

Cable type

SAC-8P- 5,0-PUR/M12FS SH

Free conductors

2

Cable parts

PXC.1522888

Order number

1522888

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	W125-W125:1				
Cabinet 1	W125-W125:3				
Cabinet 1	W125-W125:5				
Cabinet 1	W125-W125:6				
Cabinet 1	W125-W125:7				
Cabinet 1	W125-W125:8				

5 m

-W125

L1

L2

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				X20:6:2	Cabinet 1
				X20:6:1	Cabinet 1
				W125	Cabinet 1
				W125	Cabinet 1
				W125	Cabinet 1
				W125	Cabinet 1

Cable name

-W200

Cable type

ETH Cables Cat6 1ft

Free conductors

0

Cable parts

PRC.AT-C5-1WH

Order number

AT-C5-1WH

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	A10:5				

0,3 m

-W200

L1

L2

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				K1	Cabinet 1

Cable name

-W201

Cable type

ETH Cables Cat6 10ft

Free conductors

0

Cable parts

PRC.AT-C6-6BK

Order number

AT-C6-6BK

Mounting location:	Source	Function text source	Stopper	L1 [mm]	Part number
Cabinet 1	A10:1				

3 m

-W201

L1

L2

Part number	L2 [mm]	Stopper	Function text target	Target	Mounting location:
				ETH:ETH	

Cable name

-W202

Cable type

Free conductors

0

Mounting location:

Source

Function text source

Stopper

L1
[mm]

Part number

Cabinet 1

A10:2

1 m

-W202

L1

L2

Cable parts

Order number

Part number

L2
[mm]

Stopper

Function text target

Target

Mounting location:

ETH_PCV:ETH

Cabinet 1

Wires list

Connection	Target 1	Target 2	Color	Cross-section	Page / column
1	X100	Q1	BK	2,5	(=SYS10 - 1)
2	U1:P	Q1	BK	2,5	(=SYS10 - 1)
3	X1:1:2	U1:P'	BK	2,5	(=SYS10 - 1)
4	X1:1:2	F1	BK	2,5	(=SYS10 - 1)
5	X100	Q1	RD	2,5	(=SYS10 - 1)
6	U1:N	Q1	RD	2,5	(=SYS10 - 1)
7	X1:1:1	U1:N'	RD	2,5	(=SYS10 - 1)
8	X1:1:1	F1	RD	2,5	(=SYS10 - 1)
9	X1:2:2	F2	BK	2,5	(=SYS10 - 3)
10	T1:L/+	F2	BK	2,5	(=SYS11 - 2)
11	X1:2:1	F2	RD	2,5	(=SYS10 - 3)
12	T1:N/-	F2	RD	2,5	(=SYS11 - 2)
13	X25:1:2	F3:2.1	BU	0,75	(=SYS30 - 1)
14	T1:+	F3:1.1	BU	0,75	(=SYS11 - 2)
15	T1:-	F3:3.1	BU/WH	0,75	(=SYS11 - 2)
16	X25:1:1	T1:-'	BU/WH	0,75	(=SYS30 - 1)
17	X20:1:1	F4:3.1	BU/WH	0,75	(=SYS60 - 3)
18	X20:1:2	F4:2.1	BU	0,75	(=SYS60 - 2)
20	X25:1:2	K1:1	BU	0,75	(=SYS30 - 1)
21	X25:1:1	K1:2	BU/WH	0,75	(=SYS30 - 1)
22	X25:2:1	K1:6	BU/WH	0,75	(=SYS30 - 2)
23	X26:1:1	K1:7	BU	0,75	(=SYS30 - 3)
24	X26:2:1	K1:8	BU	0,75	(=SYS30 - 3)
25	X26:3:1	K1:9	BU	0,75	(=SYS30 - 4)
26	X26:4:1	K1:10	BU	0,75	(=SYS30 - 4)
27	X26:5:1	X21:13:1	BU	0,75	(=SYS30 - 4)
28	X26:5:1	K1:11	BU	0,75	(=SYS30 - 4)
29	X26:6:1	K1:12	BU	0,75	(=SYS30 - 5)
30	X26:7:1	K1:13	BU	0,75	(=SYS30 - 5)

Connections List Robotiq

31	X26:8:1	K1:14	BU	0,75	(=SYS30 - 5)
32	X26:9:1	K1:15	BU	0,75	(=SYS30 - 6)
33	X26:10:1	K1:16	BU	0,75	(=SYS30 - 6)
34	X26:11:1	K1:17	BU	0,75	(=SYS30 - 7)
35	X26:12:1	K1:18	BU	0,75	(=SYS30 - 7)
36	X26:13:1	K1:19	BU	0,75	(=SYS30 - 7)
37	X26:14:1	K1:20	BU	0,75	(=SYS30 - 8)
38	X25:3:1	K1:1	BU/WH	0,75	(=SYS30 - 8)
39	X25:6:2	K1:1	BU	0,75	(=SYS31 - 0)
40	X25:4:1	K1:2	BU/WH	0,75	(=SYS31 - 1)
41	X26:1:2	K1:3	BU	0,75	(=SYS31 - 1)
42	X26:2:2	K1:4	BU	0,75	(=SYS31 - 2)
43	X26:3:2	K1:5	BU	0,75	(=SYS31 - 3)
44	X26:4:2	K1:6	BU	0,75	(=SYS31 - 3)
45	X26:5:2	K1:7	BU	0,75	(=SYS31 - 4)
46	X26:6:2	K1:8	BU	0,75	(=SYS31 - 5)
47	X26:7:2	K1:9	BU	0,75	(=SYS31 - 5)
48	X26:8:2	K1:10	BU	0,75	(=SYS31 - 6)
49	X26:9:2	K1:11	BU	0,75	(=SYS31 - 7)
50	X26:9:2	X21:13:2	BU	0,75	(=SYS31 - 7)
51	X26:10:2	K1:12	BU	0,75	(=SYS31 - 7)
52	X26:10:2	X21:14:1	BU	0,75	(=SYS31 - 7)
54	X20:2:2	A10:1	BU	0,75	(=SYS50 - 2)
55	X20:2:1	A10:2	BU/WH	0,75	(=SYS50 - 2)
57	X21:12:2	X21:1:1	BU	0,75	(=SYS51 - 5)
83	X20:1:2	K110:1	BU	0,75	(=SYS60 - 2)
84	X20:1:1	K110:4	BU/WH	0,75	(=SYS60 - 3)
87	X21:10:1	K110:5	BU	0,75	(=SYS62 - 9)
89	X21:1:1	K110:7	BU	0,75	(=SYS60 - 4)
90	K110:17	X21:2:2	BU	0,75	(=SYS60 - 5)

1.0.4	2025-02-28	fellabb	Date	2024-12-18
1.0.3	2024-12-17	fellabb	Created by	
1.0.2	2024-09-19	fellabb	Approved by	
Modification	Date	Name	Revision	1.0.4

Wires list

Connection	Target 1	Target 2	Color	Cross-section	Page / column
90	X21:2:2	X21:10:1	BU	0,75	(=SYS61 - 4)
91	X21:3:2	K110:18	BU	0,75	(=SYS61 - 4)
91	X21:10:2	X21:3:2	BU	0,75	(=SYS62 - 5)
92	X21:4:2	K110:19	BU	0,75	(=SYS61 - 5)
93	X21:5:2	K110:20	BU	0,75	(=SYS61 - 5)
94	X21:6:2	K110:21	BU	0,75	(=SYS61 - 6)
95	X21:7:2	K110:22	BU	0,75	(=SYS61 - 6)
96	X21:8:2	K110:23	BU	0,75	(=SYS61 - 7)
97	X21:9:2	K110:24	BU	0,75	(=SYS61 - 8)
98	X21:10:2	K110:6	BU	0,75	(=SYS62 - 9)
99	X26:13:1	K110:8	BU	0,75	(=SYS30 - 7)
100	X26:14:1	K110:12	BU	0,75	(=SYS30 - 8)
101	X21:2:1	K110:13	BU	0,75	(=SYS61 - 4)
102	X21:4:1	K110:14	BU	0,75	(=SYS61 - 5)
103	X21:6:1	K110:15	BU	0,75	(=SYS61 - 6)
104	X21:8:1	K110:16	BU	0,75	(=SYS61 - 7)
400		X401:1	BN	0,14	(=SYS65 - 2)
401	X25:4:1	X401:2	BU	0,14	(=SYS31 - 1)
402	X40:3:1	X401:3	WH	0,14	(=SYS62 - 6)
403	X40:3:2	X401:4	GN	0,14	(=SYS62 - 6)
404	X40:4:1	X401:5	PK	0,14	(=SYS62 - 7)
405	X40:4:2	X401:6	YE	0,14	(=SYS62 - 7)
406	X40:6:1	X401:7	BK	0,14	(=SYS63 - 4)
407	X40:6:2	X401:8	GY	0,14	(=SYS63 - 4)
408		X401:9	RD	0,14	(=SYS65 - 7)
409		X401:10	VT	0,14	(=SYS65 - 7)
410		X401:11	GYPK	0,14	(=SYS65 - 8)
411		X401:12	RDBU	0,14	(=SYS65 - 8)
E-Stop option (1)	X40:1:1	X40:2:1	YE	0,75	(=SYS62 - 4)

Connections List Robotiq

E-Stop option (2)	X40:1:2	X40:2:2	YE	0,75	(=SYS62 - 4)
Safety Option_1 (1)	X21:8:1	X21:8:2	YE	0,75	(=SYS61 - 7)
Safety Option_1 (2)	X21:9:1	X21:9:2	YE	0,75	(=SYS61 - 8)
Safety Scanner_1 (1)	X21:2:1	X21:2:2	YE	0,75	(=SYS61 - 4)
Safety Scanner_1 (2)	X21:3:1	X21:3:2	YE	0,75	(=SYS61 - 4)
Safety Scanner_2 (1)	X21:4:1	X21:4:2	YE	0,75	(=SYS61 - 5)
Safety Scanner_2 (2)	X21:5:1	X21:5:2	YE	0,75	(=SYS61 - 5)
Safety Scanner_3 (1)	X21:6:1	X21:6:2	YE	0,75	(=SYS61 - 6)
Safety Scanner_3 (2)	X21:7:1	X21:7:2	YE	0,75	(=SYS61 - 6)

