



BK Technic s.r.o.

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Firma / zákazník

Zakázka	BK Technic s.r.o
Popis projektu	N20-1024 (V-XL)
Číslo výkresu	Ultrasonic bonding station
Typ stroje	N20-1024

Napětí sítě	400V AC
Frekvence	50 Hz
Ovladací napětí	24 V DC
Místo instalace	Golde Oradea SRL
Osoba odpovědná za projekt	Fiala
Cesta projektu	DAVID

Vytvořeno dne 20.11.2020

Poslední změna 19.01.2021 od david.fiala@bk-technic.cz

Počet stran 116

Označení	Mn.	Umístění_Str._Sl.	Typové číslo	Popis - Označení 1	Číslo artiklu	Dodavatel
+RM1	1	=TER/1.0	8285000	Systém řadových skříní VX25	RIT.8285000	RITTAL
+RM1	1	=TER/1.0	8185245	Bočnice, pro sešroubování, ocelový plech	RIT.8185245	RITTAL
+RM1	1	=TER/1.0	8618200	Komfortní rukojet' VX	RIT.8618200	RITTAL
+RM1	1	=TER/1.0	4568000	Přepravní oka pro skříně	RIT.4568000	RITTAL
+RM1	1	=TER/1.0	4116500	Schránka dokumentace pro š.600mm hl.35mm	RIT.4116500	RITTAL
+RM1	1	=TER/1.0	8640025	Rohové díly podstavce VX s krytem vpředu/vzadu, výška: 200 mm, pro šířku 1200 mm	RIT.8640025	RITTAL
+RM1	1	=TER/1.0	8640042	Kryty podstavce VX, výška: 200 mm, pro hloubku 500 mm	RIT.8640042	RITTAL
-CP100	1	=TER/19.1	6ES7510-1SJ01-0AB0	CPU1510SP F-1 PN, 150KB PROG./750KB DATA	SIE.6ES7510-1SJ01-0AB0	SIEMENS
-CP101	1	=TER/20.3	6ES7193-6AR00-0AA0	BA 2XRJ45	SIE.6ES7193-6AR00-0AA0	SIEMENS
-CP110	1	=TER/19.3	6ES7136-6BA00-0CA0	ET 200SP, EL-MOD., F-DI 8X24VDC HF	SIE.6ES7136-6BA00-0CA0	SIEMENS
-CP110	1	=TER/19.3	6ES7193-6BP20-0DA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. separate	SIE.6ES7193-6BP20-0DA0	SIEMENS
-CP112	1	=TER/19.3	6ES7136-6DB00-0CA0	ET 200SP, EL-MOD., F-DQ 4XDC 24V/2A	SIE.6ES7136-6DB00-0CA0	SIEMENS
-CP112	1	=TER/19.3	6ES7193-6BP20-0DA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. separate	SIE.6ES7193-6BP20-0DA0	SIEMENS
-CP113	1	=TER/19.4	6ES7136-6DC00-0CA0	ET 200SP, F-DQ 8X 24VDC/0.5A PP	SIE.6ES7136-6DC00-0CA0	SIEMENS
-CP113	1	=TER/19.4	6ES7193-6BP20-0BA0	BaseUnit BU15-P16+A10+2B, BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered	SIE.6ES7193-6BP20-0BA0	SIEMENS
-CP121	1	=TER/19.4	6ES7131-6BH01-0BA0	ET 200SP, DI 16x 24V DC ST, VPE 1	SIE.6ES7131-6BH01-0BA0	SIEMENS
-CP121	1	=TER/19.4	6ES7193-6BP20-0DA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. separate	SIE.6ES7193-6BP20-0DA0	SIEMENS
-CP122	1	=TER/19.5	6ES7131-6BH01-0BA0	ET 200SP, DI 16x 24V DC ST, VPE 1	SIE.6ES7131-6BH01-0BA0	SIEMENS
-CP122	1	=TER/19.5	6ES7193-6BP20-0BA0	BaseUnit BU15-P16+A10+2B, BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered	SIE.6ES7193-6BP20-0BA0	SIEMENS
-CP131	1	=TER/19.5	6ES7132-6BH01-0BA0	ET 200SP, DQ 16x 24V DC/0,5A ST, PU 1	SIE.6ES7132-6BH01-0BA0	SIEMENS
-CP131	1	=TER/19.5	6ES7193-6BP20-0DA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. separate	SIE.6ES7193-6BP20-0DA0	SIEMENS
-CP132	1	=TER/19.6	6ES7132-6BH01-0BA0	ET 200SP, DQ 16x 24V DC/0,5A ST, PU 1	SIE.6ES7132-6BH01-0BA0	SIEMENS
-CP132	1	=TER/19.6	6ES7193-6BP20-0BA0	BaseUnit BU15-P16+A10+2B, BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered	SIE.6ES7193-6BP20-0BA0	SIEMENS
-EC2	1	=TER/4.3	3240100	Ventilátory s filtrem TopTherm	RIT.3240100	
-EP0	1	=TER/28.1	XALD01	Prázdná skříň - 1 otvor, tm.šedé víko	SE.XALD01	SCHNEIDER ELECTRIC
-SP1	1	=TER/28.2	LFR-3/8-D-MIDI-KE	Úpravna s čidlem tlaku	Festo.LFR-3/8-D-MIDI-KE	FESTO
-ES1	1	=TER/15.3	ZB5AS844	Hlavice stiskací s aretací, hřib RU	SE.ZB5AS844	SCHNEIDER ELECTRIC
-ES1	2	=TER/15.3	ZBE102	Jednotka rozpínací, 1V kontakt, šroubová svorka	SE.ZBE102	SCHNEIDER ELECTRIC
-FA1	1	=TER/3.4	A9F07106	JISTIČ iC60H, C6A/1P	SE.A9F07106	SCHNEIDER ELECTRIC
-FA2	1	=TER/3.7	SE.A9F06106	JISTIČ iC60H, B6A/1P	SE.A9F06106	SCHNEIDER ELECTRIC
-FA3L	1	=TER/5.2	A9F07110	JISTIČ iC60H, C10A/1P	SE.A9F07110	SCHNEIDER ELECTRIC
-FA3R	1	=TER/5.6	A9F07110	JISTIČ iC60H, C10A/1P	SE.A9F07110	SCHNEIDER ELECTRIC
-FA4L	1	=TER/6.2	A9F07110	JISTIČ iC60H, C10A/1P	SE.A9F07110	SCHNEIDER ELECTRIC
-FA4R	1	=TER/6.6	A9F07110	JISTIČ iC60H, C10A/1P	SE.A9F07110	SCHNEIDER ELECTRIC
-FA5L	1	=TER/7.2	A9F07110	JISTIČ iC60H, C10A/1P	SE.A9F07110	SCHNEIDER ELECTRIC
-FA5R	1	=TER/7.6	A9F07110	JISTIČ iC60H, C10A/1P	SE.A9F07110	SCHNEIDER ELECTRIC
-FA6L	1	=TER/8.2	A9F07116	JISTIČ iC60H, C16A/1P	SE.A9F07116	SCHNEIDER ELECTRIC
-FA6R	1	=TER/9.2	A9F07116	JISTIČ iC60H, C16A/1P	SE.A9F07116	SCHNEIDER ELECTRIC
-FA10	1	=TER/10.2	A9F06110	Jistič 1P 10A B iC60H (A9F06110) 10kA Acti9	SE.A9F06110	SCHNEIDER ELECTRIC
-FA11	1	=TER/10.5	SE.A9F06106	JISTIČ iC60H, B6A/1P	SE.A9F06106	SCHNEIDER ELECTRIC
-FA12	1	=TER/10.7	A9F07106	JISTIČ iC60H, C6A/1P	SE.A9F07106	SCHNEIDER ELECTRIC

Označení	Mn.	Umístění_Str._Sl.	Typové číslo	Popis - Označení 1	Číslo artiklu	Dodavatel
-FD1	1	=TER/3.4	A9F06110	Jistič 1P 10A B iC60H (A9F06110) 10kA Acti9	SE.A9F06110	SCHNEIDER ELECTRIC
-FH0	1	=TER/3.1	A9F07350	JISTIČ 3P 50A C iC60H	SE.A9F07350	SCHNEIDER ELECTRIC
-FU1	1	=TER/11.1	85363010	POJISTKOVÝ BLOK 4x KANÁL 4-6-8-10A/24VDC	MURR.MICO 85363010	Murrelektronik
-G1L	1	=TER/8.1	85774	Ultrasonic Generator G7 digital 30/1800	HERR.85774	HERRMANN
-G2R	1	=TER/9.1	85774	Ultrasonic Generator G7 digital 30/1800	HERR.85774	HERRMANN
GF1L	1	=TER/5.2	LXM32MD18M2	Servoměnič In / Ip = 6 /18 A, 1 x 230 V	SE.LXM32MD18M2	SCHNEIDER ELECTRIC
GF1L	1	=TER/5.2	VW3M3308	ProfiNet modul pro LXM32M	SE.VW3M3308	SCHNEIDER ELECTRIC
GF1R	1	=TER/5.6	LXM32MD18M2	Servoměnič In / Ip = 6 /18 A, 1 x 230 V	SE.LXM32MD18M2	SCHNEIDER ELECTRIC
GF1R	1	=TER/5.6	VW3M3308	ProfiNet modul pro LXM32M	SE.VW3M3308	SCHNEIDER ELECTRIC
-GF2L	1	=TER/6.2	LXM32MD18M2	Servoměnič In / Ip = 6 /18 A, 1 x 230 V	SE.LXM32MD18M2	SCHNEIDER ELECTRIC
-GF2L	1	=TER/6.2	VW3M3308	ProfiNet modul pro LXM32M	SE.VW3M3308	SCHNEIDER ELECTRIC
-GF2R	1	=TER/6.6	LXM32MD18M2	Servoměnič In / Ip = 6 /18 A, 1 x 230 V	SE.LXM32MD18M2	SCHNEIDER ELECTRIC
-GF2R	1	=TER/6.6	VW3M3308	ProfiNet modul pro LXM32M	SE.VW3M3308	SCHNEIDER ELECTRIC
-GF3L	1	=TER/7.2	LXM32MD18M2	Servoměnič In / Ip = 6 /18 A, 1 x 230 V	SE.LXM32MD18M2	SCHNEIDER ELECTRIC
-GF3L	1	=TER/7.2	VW3M3308	ProfiNet modul pro LXM32M	SE.VW3M3308	SCHNEIDER ELECTRIC
-GF3R	1	=TER/7.6	LXM32MD18M2	Servoměnič In / Ip = 6 /18 A, 1 x 230 V	SE.LXM32MD18M2	SCHNEIDER ELECTRIC
-GF3R	1	=TER/7.6	VW3M3308	ProfiNet modul pro LXM32M	SE.VW3M3308	SCHNEIDER ELECTRIC
-GU1	1	=TER/3.4	1469490000	Zdroj 24V 10A	WEI.1469490000	WEIDMÜLLER
-H2	1	=TER/24.0	ZB5AZ009	UCHYTKA PRO PRIPEVNENI DO ROZVADECE	SE.ZB5AZ009	SCHNEIDER ELECTRIC
-H2	1	=TER/24.0	ZBVB1	Objímka LED 24VAC/DC BÍLÁ	SE.ZBVB1	SCHNEIDER ELECTRIC
-HMI1	1	=TER/13.1	6AV2 123-2GB03-0AX0	KTP700 Basic PN displej 7"	SIE.6AV2123-2GB03-0AX0	SIEMENS
-HS2	1	=TER/15.2	ZBVB3	Objímka LED 24VAC/DC ZE	SE.ZBVB3	SCHNEIDER ELECTRIC
-KM1	1	=TER/22.4	LC1DT20BD	Stykač LC1-D - 4P - AC-1 440V 20 A, cívka 24 V DC	SE.LC1DT20BD	SCHNEIDER ELECTRIC
-KM2	1	=TER/22.5	LC1DT20BD	Stykač LC1-D - 4P - AC-1 440V 20 A, cívka 24 V DC	SE.LC1DT20BD	SCHNEIDER ELECTRIC
-KM3	1	=TER/22.5	LP1K0601BD	Stykač TeSys LP1-K - 3P - AC-3 440V 6A	SE.LP1K0601BD	SCHNEIDER ELECTRIC
-KM4	1	=TER/22.6	LP1K0601BD	Stykač TeSys LP1-K - 3P - AC-3 440V 6A	SE.LP1K0601BD	SCHNEIDER ELECTRIC
-KM5	1	=TER/23.2	LP1K1201BD	Stykač TeSys LP1-K - 3P - AC-3 440V 12A	SE.LP1K1201BD	SCHNEIDER ELECTRIC
-KM6	1	=TER/23.3	LP1K0601BD3	Stykač TeSys LP1-K - 3P, AC3 440V 6A	SE.LP1K0601BD3	SCHNEIDER ELECTRIC
-KM7	1	=TER/23.4	LP1K0601BD3	Stykač TeSys LP1-K - 3P, AC3 440V 6A	SE.LP1K0601BD3	SCHNEIDER ELECTRIC
-KM8	1	=TER/23.5	LP1K0601BD3	Stykač TeSys LP1-K - 3P, AC3 440V 6A	SE.LP1K0601BD3	SCHNEIDER ELECTRIC
-M1L	1	=TER/5.2	BSH0551T12A2A	Servomotor PMSM, příruba IEC 55 mm 0,5	SE.BSH0551T12A2A	SCHNEIDER ELECTRIC
-M1R	1	=TER/5.6	BSH0551T12A2A	Servomotor PMSM, příruba IEC 55 mm 0,5	SE.BSH0551T12A2A	SCHNEIDER ELECTRIC
-M2L	1	=TER/6.2	BSH0551T12A2A	Servomotor PMSM, příruba IEC 55 mm 0,5	SE.BSH0551T12A2A	SCHNEIDER ELECTRIC
-M2R	1	=TER/6.6	BSH0551T12A2A	Servomotor PMSM, příruba IEC 55 mm 0,5	SE.BSH0551T12A2A	SCHNEIDER ELECTRIC
-M3L	1	=TER/7.2	BMH0701T07F2A	Servomotor BMH 1.4 Nm - 8000 rpm	SE.BMH0701T07F2A	SCHNEIDER ELECTRIC
-M3R	1	=TER/7.6	BMH0701T07F2A	Servomotor BMH 1.4 Nm - 8000 rpm	SE.BMH0701T07F2A	SCHNEIDER ELECTRIC
-MAJ1	1	=TER/26.2	TL50HGYRAQ	LED Světelný maják	TURCK.TL50HGYRAQ	TURCK
-Q1	1	=TER/3.1	1SCA105060R1001	3-pólový odpínač v krytí IP20, 125A/400V	ABB.1SCA105060R1001	ABB
-Q1	1	=TER/3.1	1SCA105323R1001	Rukojeti pro montáž čtyřmi šrouby Žluto-červená	ABB.1SCA105323R1001	ABB
-Q1	1	=TER/3.1	1SCA022379R9680	Kryt svorek	ABB.1SCA022379R9680	ABB
-RG1	1	=TER/4.2	3110000	Termostat	RIT.3110000	RITTAL

Seznam kabelů

Název kabelu	Název umístění	Typ kabelu	Vn.pr.[mm]	Pr.žl. [mm]	Žíly vš./použ.	Funkční text	Start (od)	Cíl (do)
W1	=TER+RM1/18	7x0,5 mm ²		0,5	7 14		=TER-X2	=TER+RIO-XK1
W2	=TER+RM1/29	ÖLFLEX® CLASSIC 110 21G0.5 mm	ÖLFLEX® CLASSIC 110	11.7	0.5	21G 20	CONNECTION BETWEEN RM1 AND RIO	=TER-X2
W8	=TER+RM1/15				2	VETIL HLAVNÍ ÚPRAVNY VZDUCHU NA ROZVÁDĚČI	=TER-X2	=TER+EP0-EP0
WES1	=TER+RM1/15	ÖLFLEX® CLASSIC 110 4X0.5 mm	ÖLFLEX® CLASSIC 110	5.7	0.5	4X 4	EMERGENCY stop	=TER-X2
WES2	=TER+RM1/15	ÖLFLEX® CLASSIC 110 4X0.5 mm	ÖLFLEX® CLASSIC 110	5.7	0.5	4X 4	EMERGENCY STOP EXTERNAL	=TER-X2
WG1_L	=TER+RM1/8		11/G/12.0/IP65/U		1	CABLE HF 20-30 11/G/12.0/IP65/U	=TER-G1L	=TER-SG1_L
WG2_R	=TER+RM1/9		11/G/12.0/IP65/U		1	CABLE HF 20-30 11/G/12.0/IP65/U	=TER-G2R	=TER-SG2_R
WM1.1L	=TER+RM1/5	VW3M5101R050	162 503005010		6		=TER-GF1L	=TER-M1L
WM1.1R	=TER+RM1/5	VW3M5101R050	162 503005010		6		=TER-GF1R	=TER-M1R
WM1.2L	=TER+RM1/5	VW3M8102R050	593 00000139		1		=TER-M1.L	=TER-GF1L
WM1.2R	=TER+RM1/5	VW3M8102R050	593 00000139		1		=TER-M1.R	=TER-GF1R
WM2.1L	=TER+RM1/6	VW3M5101R100	162 503005010		6		=TER-GF2L	=TER-M2L
WM2.1R	=TER+RM1/6	VW3M5101R100	162 503005010		6		=TER-GF2R	=TER-M2R
WM2.2L	=TER+RM1/6	VW3M8102R100	593 00000139		1		=TER-M2.L	=TER-GF2L
WM2.2R	=TER+RM1/6	VW3M8102R100	593 00000139		1		=TER-M2.R	=TER-GF2R
WM3.1L	=TER+RM1/7	VW3M5101R200	162 503005010		6		=TER-GF3L	=TER-M3L
WM3.1R	=TER+RM1/7	VW3M5101R200	162 503005010		6		=TER-GF3R	=TER-M3R
WM3.2L	=TER+RM1/7	VW3M8102R200	593 00000139		1		=TER-M3.L	=TER-GF3L
WM3.2R	=TER+RM1/7	VW3M8102R200	593 00000139		1		=TER-M3.R	=TER-GF3R
WMAJ1	=TER+RM1/26	M12x5p			5	Beacon-green	=TER-X2	=TER-MAJ1
WP1	=TER+RM1/28	PKG3M-5/TXL-M8 3x0,34 mm ²	PKG3M-5/TXL-M8	6	0,34	3x 3	=TER-XC1	=TER-EP0-SP1
WPF1	=TER+RM1/20	ETHERLINE® PN Cat.5e Y 4x0,22 mm ²	Profinet 2pair cabling Cat.5/5e PVC fixed	6,4	0,22	4 1	=TER-CP101	=TER-SW2
WPF3	=TER+RM1/13	ETHERLINE® PN Cat.5e Y 4x0,22 mm ²	Profinet 2pair cabling Cat.5/5e PVC fixed	6,4	0,22	4 1	=TER-GF1L	=TER-SW2
WPF3.1	=TER+RM1/5				1		=TER-GF1L	=TER-GF1R
WPF3.2	=TER+RM1/5				1		=TER-GF1R	=TER-GF2L
WPF3.3	=TER+RM1/6				1		=TER-GF2L	=TER-GF2R
WPF3.4	=TER+RM1/6				1		=TER-GF2R	=TER-GF3L
WPF3.5	=TER+RM1/7				1		=TER-GF3L	=TER-GF3R
WPF4	=TER+RM1/13	ETHERLINE® PN Cat.5e Y 4x0,22 mm ²	Profinet 2pair cabling Cat.5/5e PVC fixed	6,4	0,22	4 1	=TER-HMI1	=TER-SW2
WPF10	=TER+RM1/13	ETHERLINE® PN Cat.5e Y 4x0,22 mm ²	Profinet 2pair cabling Cat.5/5e PVC fixed	6,4	0,22	4 1	=TER-SW2	=TER+RIO-SW2
WS4	=TER+RM1/15	ÖLFLEX® CLASSIC 110 4X0.5 mm	ÖLFLEX® CLASSIC 110	5.7	0.5	4X 4	EMERGENCY STOP EXTERNAL	=TER-X2

Plán svorkovnice		Lišta									
Název kabelu - Externí spoje		Název kabelu - Interní spoje									
Místek	Označení cíle	Napojení		Napojení		Napojení		Napojení		Napojení	
		1	3	5	N	1					
Svorka	Označení cíle	L1	-Q1.	L2	-Q1.	L3	-Q1.	N	-Q1.	PE	-xPE1-xN
	Napojení										

**=TER+RM1
-X0**

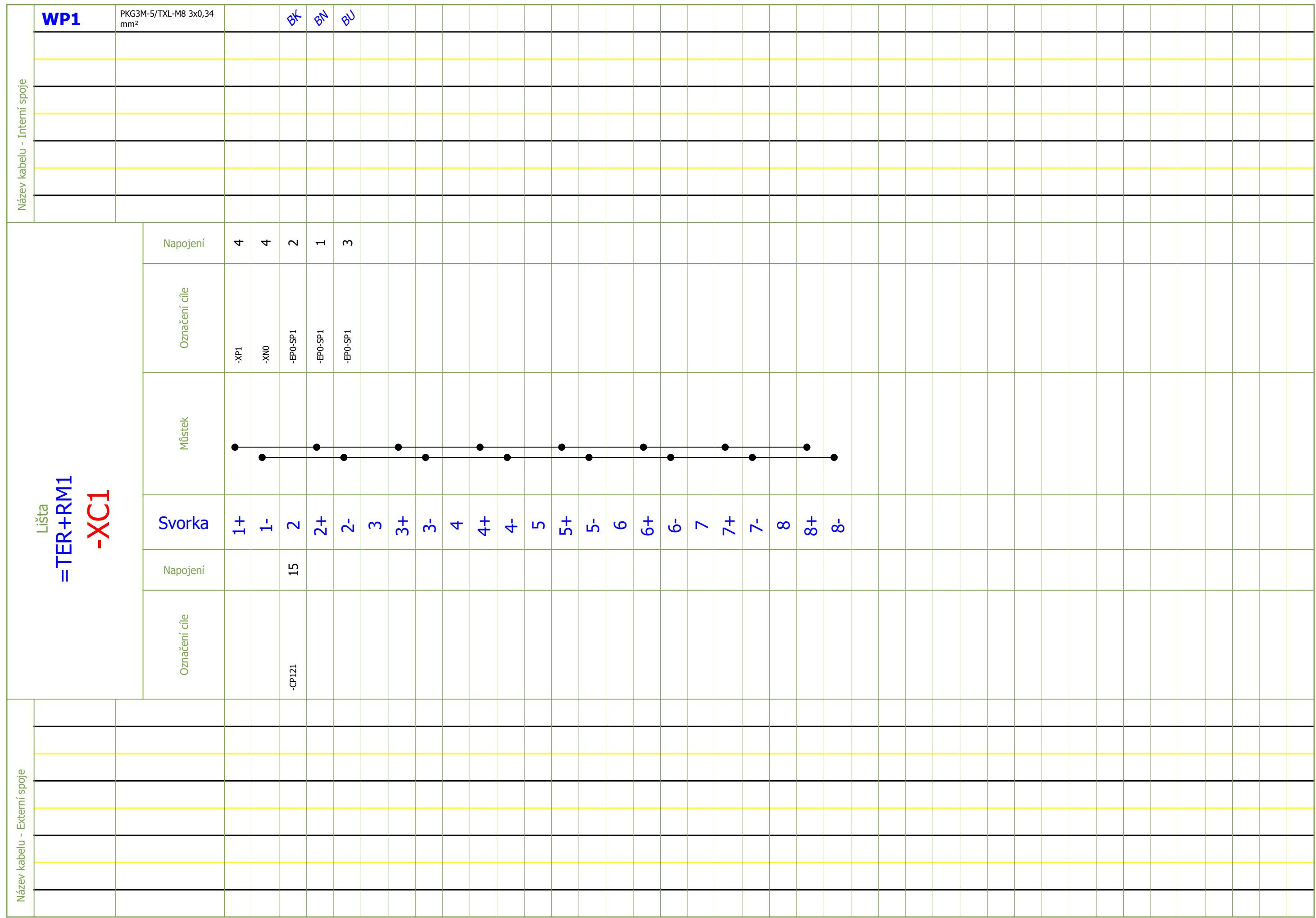
Plán svorkovnice		Lišta						
Název kabelu - Externí spoje		Název kabelu - Interní spoje						
Svorka	Napojení	Můstek	Označení cíle	Napojení	Můstek	Označení cíle	Napojení	Můstek
	1	-	-FA10	2	2	-XN-XN	5	
	2	-	-FA11	3	2	-XN-XN	6	
	3	-	-FA12	4	2	-XN-XN	7	
	4	PE	PE	5	PE	PE	6	
	5	PE	PE	6	PE	PE	7	
	6	PE	PE	7	PE	PE		
	7							

=TER+RM1
-X1

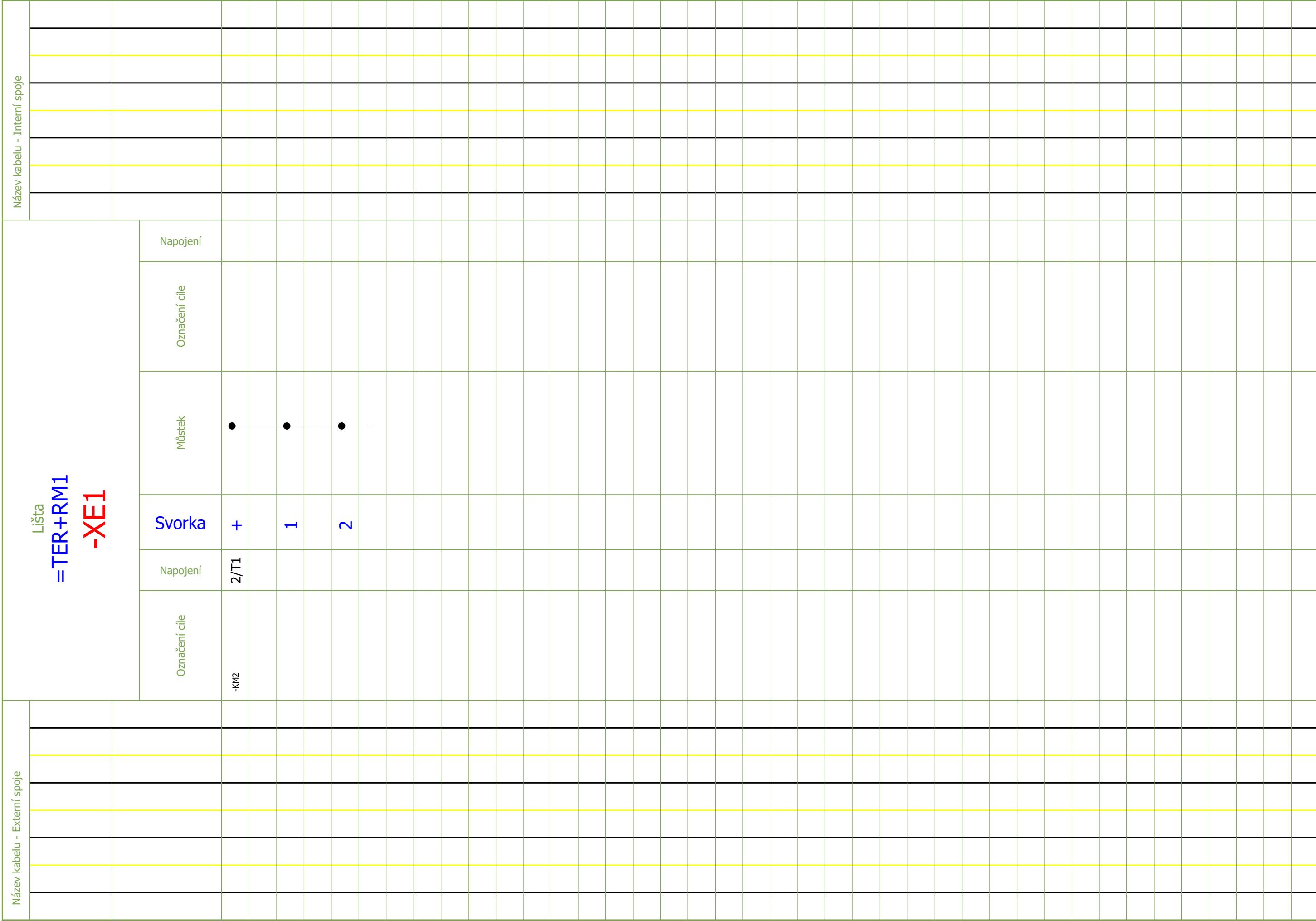
Plán svorkovnice

Název kabelu - Externí spoje		Lišta		Název kabelu - Interní spoje	
WMAJ1		=TER+RM1 -X2		ÖLFLEX® CLASSIC 110 4X0.5 mm	
WES2				ÖLFLEX® CLASSIC 110 4X0.5 mm	
Název kabelu - Externí spoje	Oznáčení cíle	Svorka	Můstek	Označení cíle	Napojení
		Napojení			
WMAJ1	+RIO-XK1	1	1	-FU1-1	
WES2	+RIO-XK1	2	2	-FU1-GND	
WES1	+RIO-XK1	3	3	-xE1	
W8	+RIO-XK1	4	4	-xE2	
W2	+RIO-XK1	5	5	-xE3	
W1	+RIO-XK1	6	6	-xE4	
	+RIO-XK2	1:1	7	-G2L	D12
	+RIO-XK2	2	8	-G2R	D13
	+RIO-XK2	3	9	-G3L	D12
	+RIO-XK2	4	10	-G3R	D13
	+RIO-XK2	5	11	-G3L	D12
	+RIO-XK2	6	12	-G3R	D13
	+RIO-XK2	7	13	-G3L	D12
	+RIO-XK2	8	14	-G3R	D13
	+RIO-XK2	9:9	15	-KM2	8/T4
	+RIO-XK2	10	16	-KM1	7/L4
	+RIO-XK2	11	17	-KM4	6/T3
	+RIO-XK2	12	18	-KM3	5/L3
	+RIO-XK2	13	19	-KM6	6/T3
	+RIO-XK2	14	20	-KM5	5/L3
	+RIO-XK2	15	21	-KM8	6/T3
	+RIO-XK2	16	22	-KM7	5/L3
	+RIO-XK2	17	23		
	+RIO-XK2	18	24		
	+RIO-XK2	19	25		
	+RIO-XK2	20	26		
	+EP0-EP0	x1	27	-CP113	4
	+EP0-EP0	x2	28	-CP113	8
	-ES1.	11	29	-CP110	2
	-CP110	1	30	-ES1	12
	-ES1.	21	31	-CP110	10
	-CP110	9	32	-ES1	22
	+XAL01-ES2	11	33	+XAL01-ES2	12
	-CP110	3	34	-CP131	1
	+XAL01-ES2	21	35	-CP110	12
	-CP110	11	36	+XAL01-ES2	22
	-MAJ1	4	37	-CP131	2
	-MAJ1	1	38	-CP131	5
	-MAJ1	3	39	-XN0	4
	-MAJ1	5	40	-CP131	4

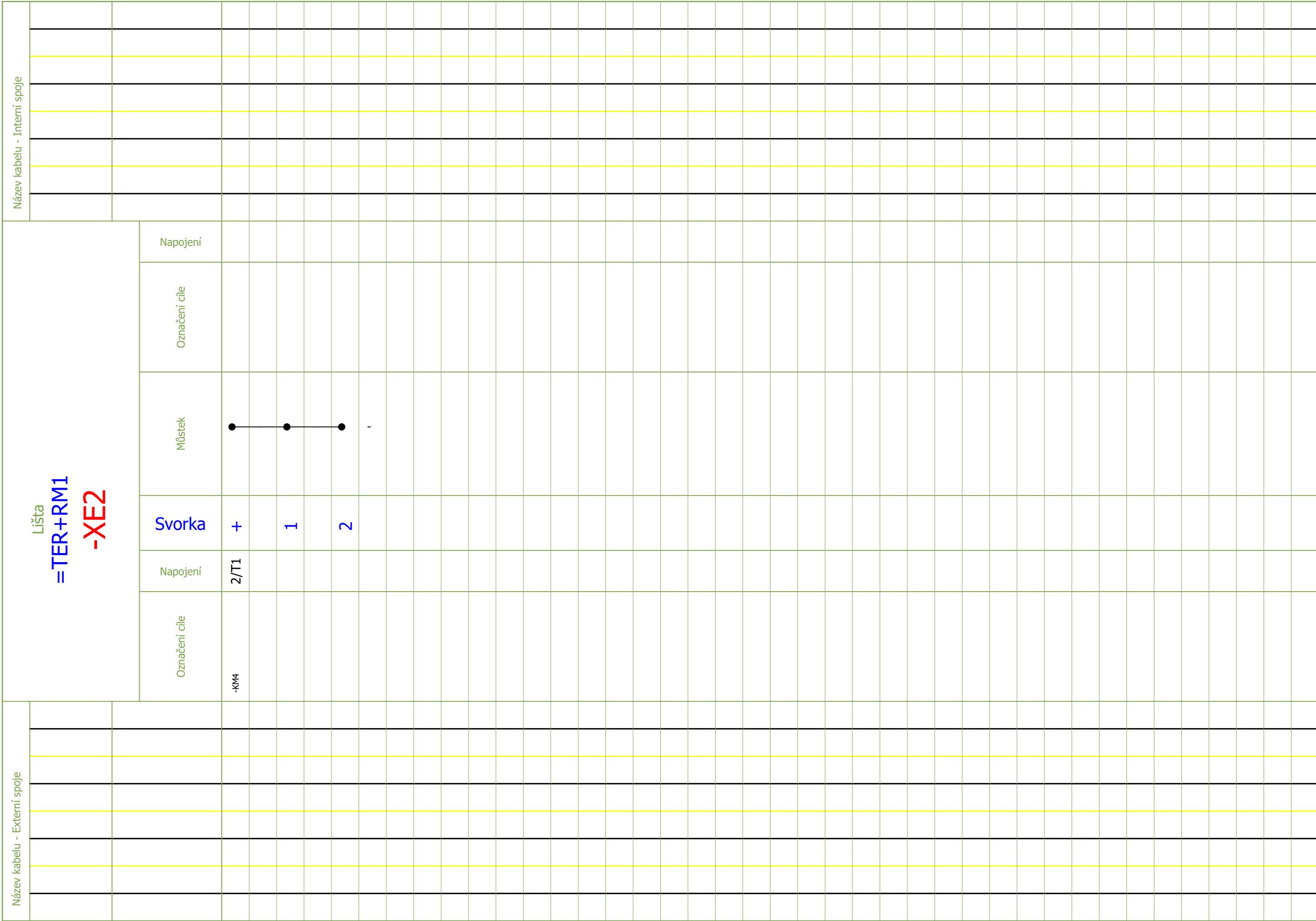
Plán svorkovnice		Název kabelu - Interní spoje																																																																																																																																																																							
Název kabelu - Externí spoje																																																																																																																																																																									
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WS4	ÖLFLEX® CLASSIC 110 4x0,5 mm		1	2	3	4																																																																																																																																																																			
WMAJ1	M12x5p	WH																																																																																																																																																																							
=TER+RM1 -X2		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Lišta</th><th colspan="2">Napojení</th><th colspan="2">Označení cíle</th><th colspan="2">Můstek</th><th colspan="2">Označení cíle</th><th colspan="2">Napojení</th></tr> </thead> <tbody> <tr> <td colspan="2">Svorka</td><td colspan="2">41</td><td colspan="2">-</td><td colspan="2">-CP131</td><td colspan="2">3</td><td colspan="2">4</td></tr> <tr> <td colspan="2">Napojení</td><td colspan="2">42</td><td colspan="2">-</td><td colspan="2">>P1</td><td colspan="2">43</td><td colspan="2">4</td></tr> <tr> <td colspan="2">Označení cíle</td><td colspan="2">13</td><td colspan="2">-</td><td colspan="2">-CP121</td><td colspan="2">44</td><td colspan="2">4</td></tr> <tr> <td colspan="2">Napojení</td><td colspan="2">14</td><td colspan="2">45</td><td colspan="2">-</td><td colspan="2">5</td><td colspan="2">46</td></tr> <tr> <td colspan="2">Označení cíle</td><td colspan="2">x1</td><td colspan="2">47</td><td colspan="2">-</td><td colspan="2">6</td><td colspan="2">48</td></tr> <tr> <td colspan="2">Napojení</td><td colspan="2">x2</td><td colspan="2">49</td><td colspan="2">-</td><td colspan="2">7</td><td colspan="2">50</td></tr> <tr> <td colspan="2">Označení cíle</td><td colspan="2">x1</td><td colspan="2">51</td><td colspan="2">-</td><td colspan="2">8</td><td colspan="2">52</td></tr> <tr> <td colspan="2">Napojení</td><td colspan="2">x2</td><td colspan="2">53</td><td colspan="2">-</td><td colspan="2">13</td><td colspan="2">54</td></tr> <tr> <td colspan="2">Označení cíle</td><td colspan="2">x1</td><td colspan="2">PE</td><td colspan="2">-</td><td colspan="2">14</td><td colspan="2">PE</td></tr> <tr> <td colspan="2">Napojení</td><td colspan="2">x2</td><td colspan="2">PE</td><td colspan="2">-</td><td colspan="2">15</td><td colspan="2">PE</td></tr> <tr> <td colspan="2">Označení cíle</td><td colspan="2">x1</td><td colspan="2">PE</td><td colspan="2">-</td><td colspan="2">16</td><td colspan="2">PE</td></tr> <tr> <td colspan="2">Napojení</td><td colspan="2">x2</td><td colspan="2">PE</td><td colspan="2">-</td><td colspan="2">17</td><td colspan="2">PE</td></tr> </tbody> </table>												Lišta		Napojení		Označení cíle		Můstek		Označení cíle		Napojení		Svorka		41		-		-CP131		3		4		Napojení		42		-		>P1		43		4		Označení cíle		13		-		-CP121		44		4		Napojení		14		45		-		5		46		Označení cíle		x1		47		-		6		48		Napojení		x2		49		-		7		50		Označení cíle		x1		51		-		8		52		Napojení		x2		53		-		13		54		Označení cíle		x1		PE		-		14		PE		Napojení		x2		PE		-		15		PE		Označení cíle		x1		PE		-		16		PE		Napojení		x2		PE		-		17		PE	
Lišta		Napojení		Označení cíle		Můstek		Označení cíle		Napojení																																																																																																																																																															
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Napojení		x2		49		-		7		50																																																																																																																																																															
Označení cíle		x1		51		-		8		52																																																																																																																																																															
Napojení		x2		53		-		13		54																																																																																																																																																															
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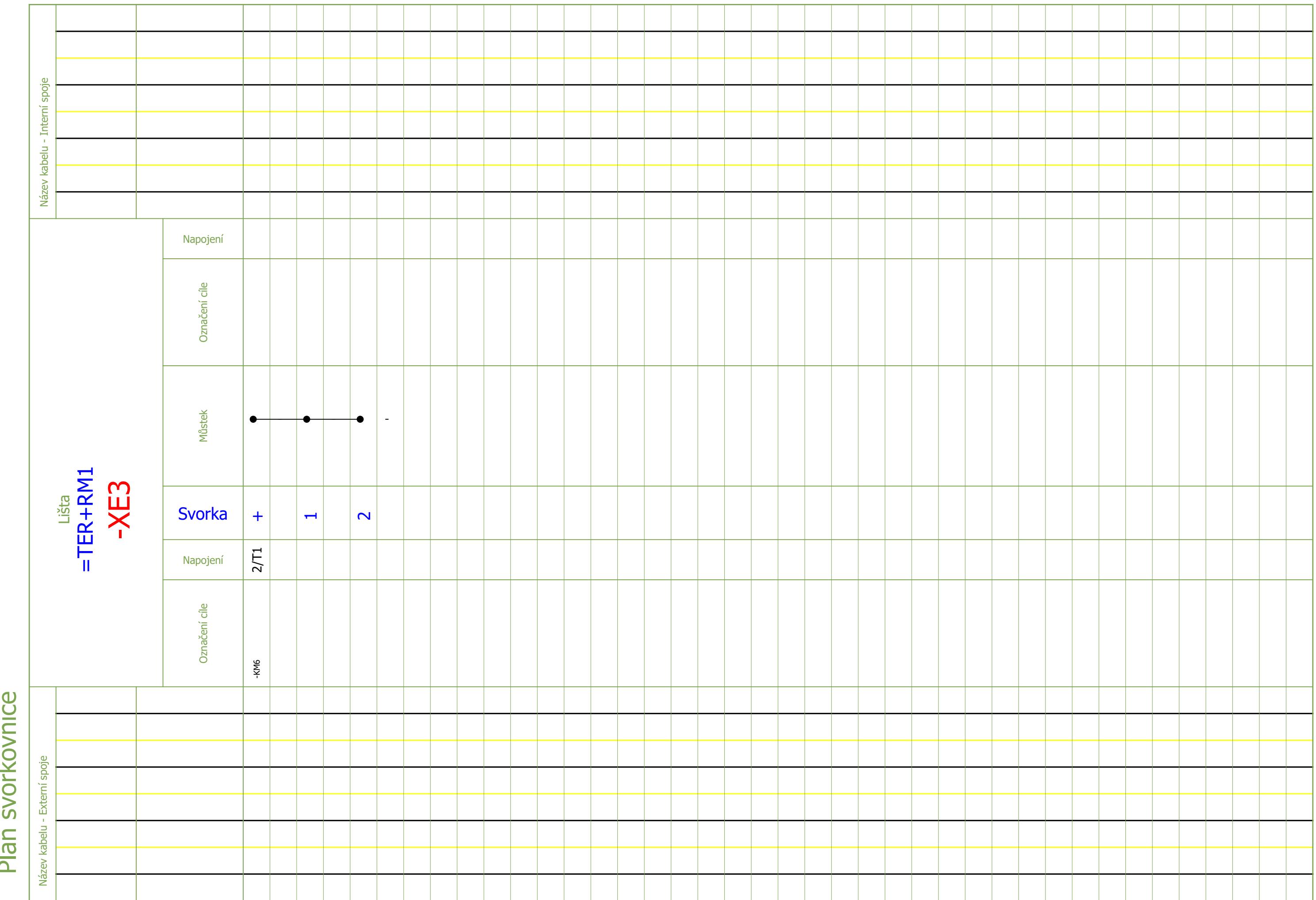


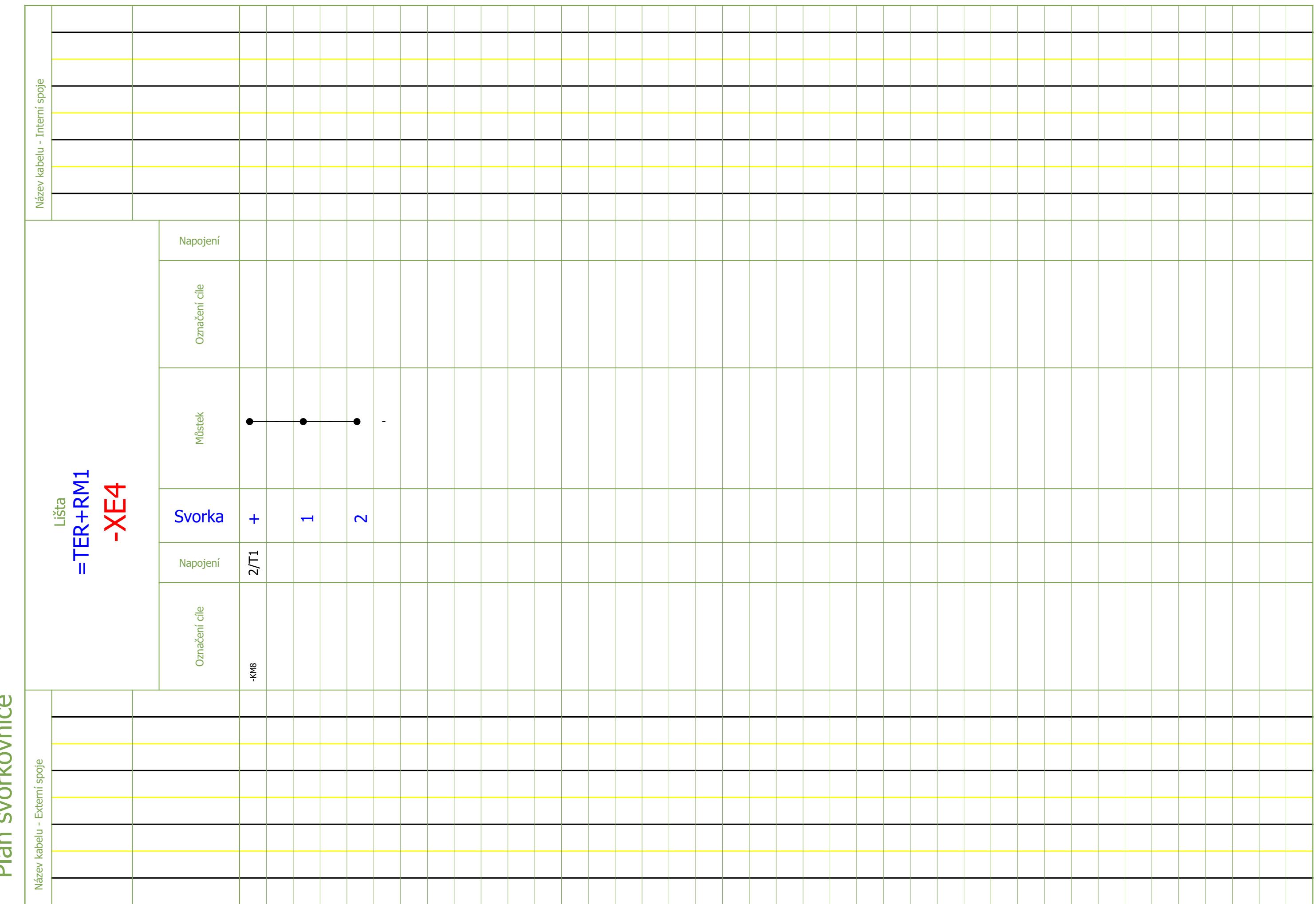
Plán svorkovnice

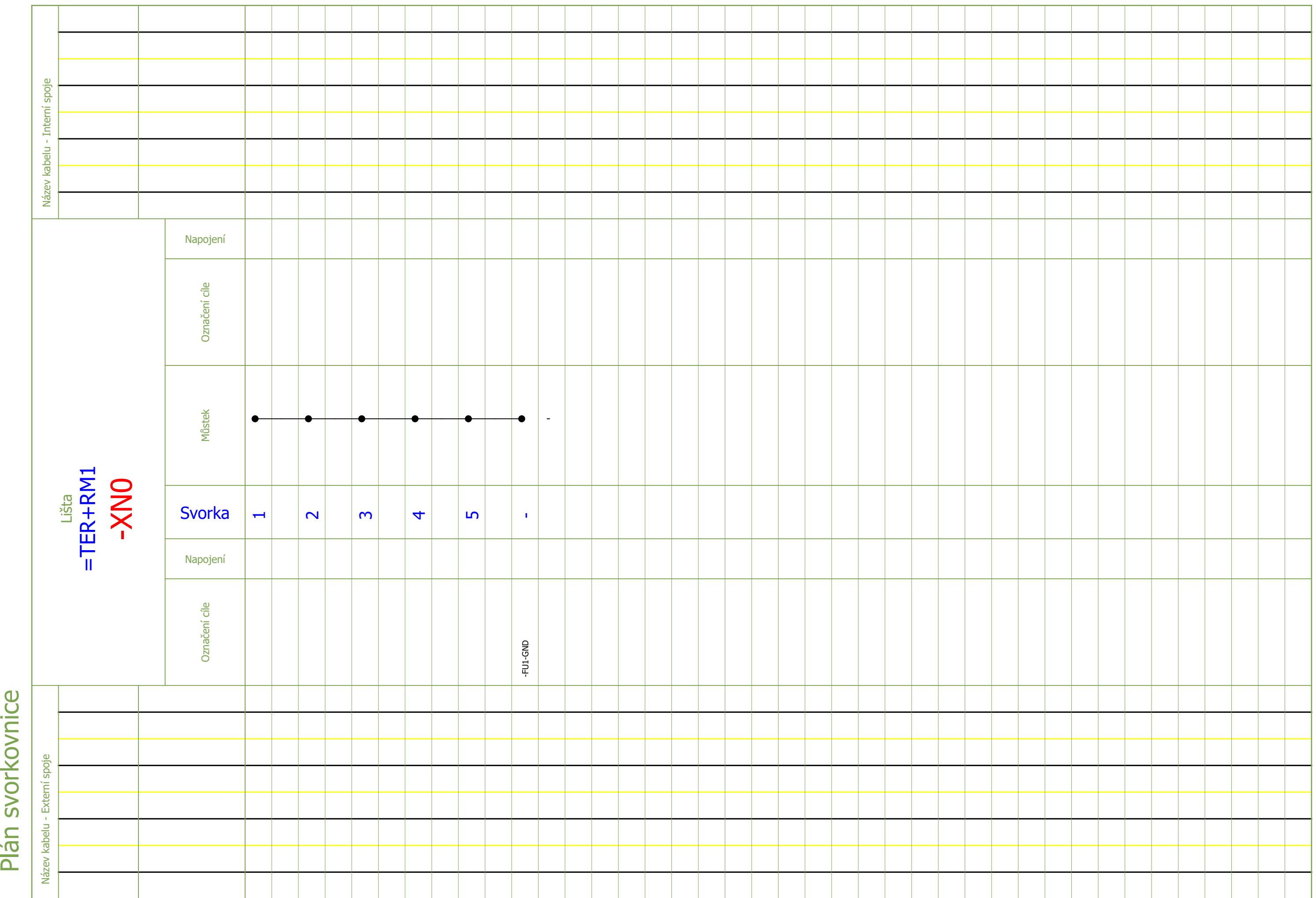


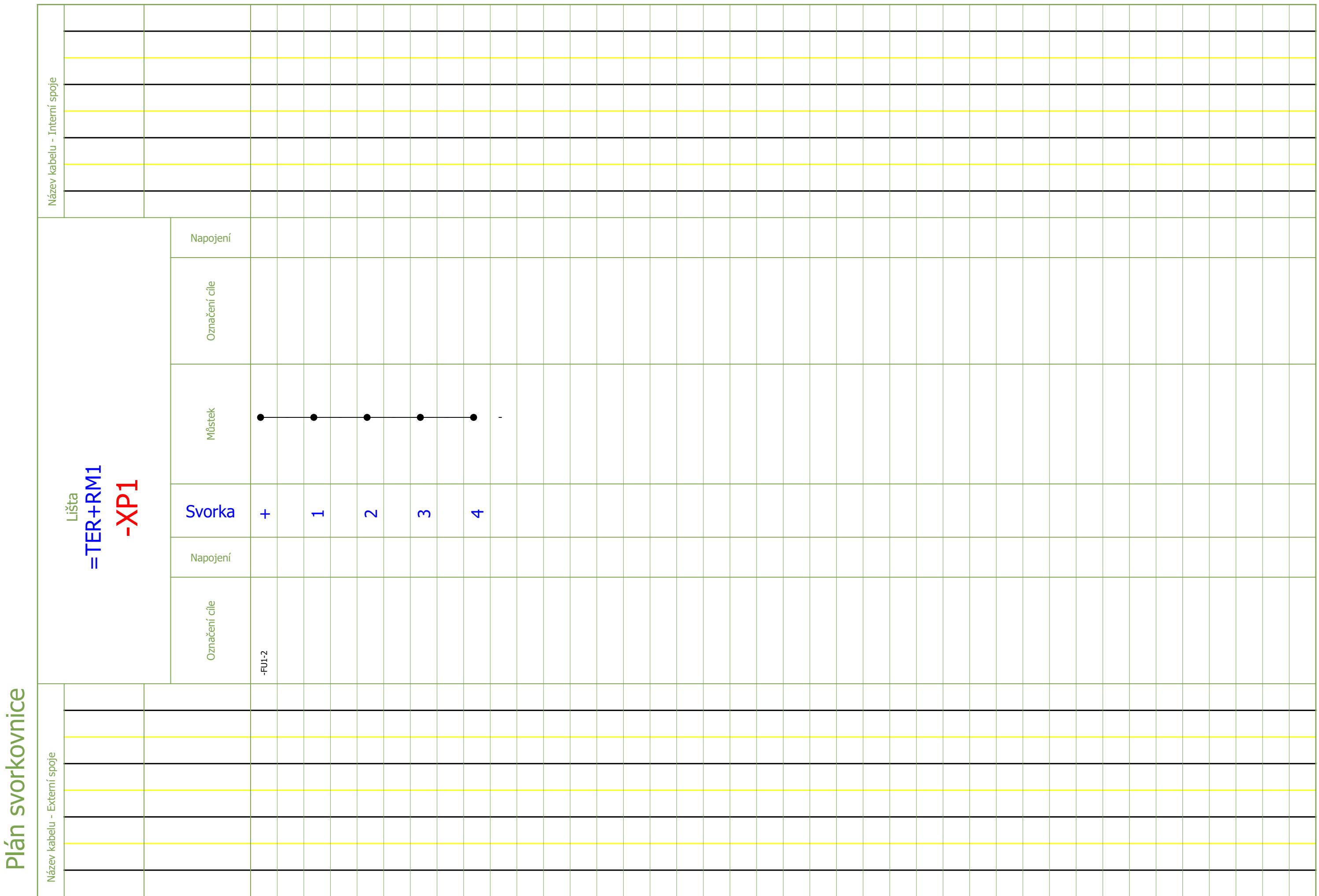
Plán svorkovnice











Označení	Mn.	Umístění_Str._Sl.	Typové číslo	Popis - Označení 1	Číslo artiklu	Dodavatel
-CP242	1	=TER/6.7	6ES7138-6BA00-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered	SIE.6ES7138-6BA00-0BA0	SIEMENS
-CP242	1	=TER/6.7	6ES7193-6BP20-0BA0	BaseUnit BU15-P16+A10+2B, BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered	SIE.6ES7193-6BP20-0BA0	SIEMENS
-CP250	1	=TER/20.a.1	6ES7134-6HD00-0BA1 / 6ES7193-6BP20-0BA0	AI 4 U/I	SIE.6ES7134-6HD00-0BA1+BU15-P16+A10+2B	
-CP250	1	=TER/6.7	6ES7138-6BA00-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered	SIE.6ES7138-6BA00-0BA0	SIEMENS
-CP250	1	=TER/6.7	6ES7193-6BP20-0BA0	BaseUnit BU15-P16+A10+2B, BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered	SIE.6ES7193-6BP20-0BA0	SIEMENS
-SBG1	1	=TER/22.1	1091142	*^*	SICK.1091142	SICK
-SBG2	1	=TER/22.5	1091142	*^*	SICK.1091142	SICK
-SBK1	0	=TER/36.6				
-SBK2	0	=TER/36.8				
-SC1	1	=TER/23.0	1075843	*^*	SICK.1075843	SICK
-SC2	1	=TER/23.4	1075843	*^*	SICK.1075843	SICK
-SE1.1L	1	=TER/25.1	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE1.2L	1	=TER/25.3	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE2.1R	1	=TER/25.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE2.2R	1	=TER/25.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE3.1L	1	=TER/26.0	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE3.2L	1	=TER/26.2	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE4.1R	1	=TER/26.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE4.2R	1	=TER/26.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE5.1	1	=TER/27.1	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE5.2	1	=TER/27.3	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE6.1	1	=TER/27.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE6.2	1	=TER/27.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE9.1	1	=TER/29.1	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE9.2	1	=TER/29.3	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE10.1	1	=TER/29.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE10.2	1	=TER/29.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE11.1	1	=TER/30.1	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE11.2	1	=TER/30.3	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE12.1	1	=TER/30.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE12.2	1	=TER/30.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE13.1	1	=TER/31.1	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE13.2	1	=TER/31.3	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE14.1	1	=TER/31.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE14.2	1	=TER/31.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE15.1	1	=TER/32.1	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE15.2	1	=TER/32.3	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE16.1	1	=TER/32.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE16.2	1	=TER/32.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE17.1	1	=TER/34.1	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE17.2	1	=TER/34.3	4685742	Snímač do T drážky	TURCK.4685742	TURCK

Označení	Mn.	Umístění_Str._Sl.	Typové číslo	Popis - Označení 1	Číslo artiklu	Dodavatel
-SE18.1	1	=TER/34.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE18.2	1	=TER/34.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE19.1	1	=TER/35.1	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE19.2	1	=TER/35.3	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE20.1	1	=TER/35.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE20.2	1	=TER/35.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE21.1	1	=TER/33.1	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE21.2	1	=TER/33.3	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE22.1	1	=TER/33.5	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SE22.2	1	=TER/33.7	4685742	Snímač do T drážky	TURCK.4685742	TURCK
-SM1	1	=TER/21.1	1059503	Magnetický bezpečnostní spínač	SICK.RE13-SAC	SICK
-SM2	1	=TER/21.5	1059503	Magnetický bezpečnostní spínač	SICK.RE13-SAC	SICK
-SQ1	1	=TER/36.1	LR-ZB100CP	Laser KEYENCE LR-ZB100CP	KEY.LR-ZB100CP	KEYENCE
-SQ2	1	=TER/36.3	LR-ZB100CP	Laser KEYENCE LR-ZB100CP	KEY.LR-ZB100CP	KEYENCE
-SQ5	1	=TER/37.0	4602050	Indukční čidlo M8x1	TURCK.4602050	TURCK
-SQ6	1	=TER/37.2	4602050	Indukční čidlo M8x1	TURCK.4602050	TURCK
-SQ7	1	=TER/37.4	551392	čidlo	FES.551392	FESTO
-SQ8	1	=TER/37.7	551392	čidlo	FES.551392	FESTO
-SQ9	1	=TER/38.0	551392	čidlo	FES.551392	FESTO
-SQ10	1	=TER/38.3	551392	čidlo	FES.551392	FESTO
-SQ11	1	=TER/38.6	XS508B1PBP01M8	Indukční senzor XS5 - 12..24VDC - cylindrical M8	SE.XS508B1PBP01M8	SCHNEIDER ELECTRIC
-SQ12	1	=TER/38.8	XS508B1PBP01M8	Indukční senzor XS5 - 12..24VDC - cylindrical M8	SE.XS508B1PBP01M8	SCHNEIDER ELECTRIC
-SQ13	1	=TER/39.1	XS508B1PBP01M8	Indukční senzor XS5 - 12..24VDC - cylindrical M8	SE.XS508B1PBP01M8	SCHNEIDER ELECTRIC
-SQ14	1	=TER/39.3	XS508B1PBP01M8	Indukční senzor XS5 - 12..24VDC - cylindrical M8	SE.XS508B1PBP01M8	SCHNEIDER ELECTRIC
-SQ15	1	=TER/39.5	4602050	Indukční čidlo M8x1	TURCK.4602050	TURCK
-SW2	1	=TER/5.3	SWITCH SE20-84X-RJ522	Ethernet switch 5 portů	TURCK.SWITCH SE20-84X-RJ522	TURCK
-XBT1L	1	=TER/43.0	6930792	Field-Wireable Connector	TUR.6930792	TURCK
-XBT1R	1	=TER/44.0	6930792	Field-Wireable Connector	TUR.6930792	TURCK
-XK1	1	=TER/2.0	09200030301	Kryt konektoru panelový s páčkou, kovový	HAR.09200030301	HARTING
-XK1	1	=TER/2.0	09360082632	Zásuvková vložka kolík - Han 8D-M Quick Lock 1,5mm ² _pin	HAR.09360082632	HARTING
-XK1	1	=TER/2.0	09360082732	Zásuvková vložka díry - Han 8D-F Quick Lock 1,5mm ² _pin	HAR.09360082732	HARTING
-XK1	1	=TER/2.0	19200031640	Pouzdro kolík-úhlový vstup Han A Hood M20	HAR.19200031640	HARTING
-XK2	1	=TER/3.2	09300060301	Pouzdro napájecího konektoru Han B 6 B	HAR.09300060301	HARTING
-XK2	1	=TER/3.2	09160243001	Vložka konektoru pro kolík	HAR.09160243001	HARTING
-XK2	0	=TER/3.2...=TER/3.8...=TER/4.2...=TER/4.7				
-XK2	24	=TER/3.2	09150006103	Han DM Crimp Contact Ag 0,5	HAR.09150006103	HARTING
-XK2	1	=TER/3.2	19300061540	Kryty / pouzdra	HAR.19300061540	HARTING
-XK2	1	=TER/3.2	09160243101	Vložka konektoru pro kolík	HAR.09160243101	HARTING
-XK2	24	=TER/3.2	09150006203	*^*	HAR.09150006203	HARTING
-XSBK1	1	=TER/36.5	6905402	Field-Wireable Connector M8/3xPIN male	TUR.6905402	TURCK
-XSBK1	1	=TER/36.5	6905404	Field-Wireable Connector M8/3xPIN female	TUR.6905404	TURCK

Seznam kabelů

Název kabelu	Název umístění	Typ kabelu	Vn.pr.[mm]	Pr.žl. [mm]	Žíly vš./použ.	Funkční text	Start (od)	Cíl (do)	
W12.1	=TER+RIO/30	M8x3p			3		=TER-CP212	=TER-SE12.1	
W18.1	=TER+RIO/34	TPE-Steuerleitung 4x0,34 mm ²	^{CF9}	5	0,34	4 3	<i>IGUS.CF9.03.04.INI</i>	=TER-CP214	=TER-SE18.1
WB1	=TER+RIO/42	TPE-Steuerleitung 4x0,34 mm ²	^{CF9}	5	0,34	4 3	---"---		=TER-XP1
WB2	=TER+RIO/42	TPE-Steuerleitung 4x0,34 mm ²	^{CF9}	5	0,34	4 3	---"---		=TER-XP1
WBG1	=TER+RIO/22	RKC4.4T-10/TXL-M12 4x0,34 mm ²	^{RKC4.4T-5/TXL-M12}	8	0,34	4x 4		=TER-X1	=TER-SBG1
WBG2	=TER+RIO/22	RKC4.4T-10/TXL-M12 4x0,34 mm ²	^{RKC4.4T-5/TXL-M12}	8	0,34	4x 4	<i>Saftey induction sensor L</i>	=TER-X1	=TER-SBG2
WBT1.1L	=TER+RIO/43	PUR 8x0.25 mm ²	^{RKS8T-10/TXL-M12}	6.3 mm	0.25	8 0	<i>TUR.6625460</i>		
WBT1.1R	=TER+RIO/44	PUR/M12 8x0.25 mm ²	^{RKS8T-5/TXL-M12}	6.3 mm	0.25	8 0	<i>TUR.6625459</i>		
WBT1L	=TER+RIO/43	PUR/M12 8x0.25 mm ²			0.25	8 6	<i>Phoenix contact M12</i>	=TER-XBT1L	=TER-BT1L
WBT1R	=TER+RIO/44	PUR/M12 8x0.25 mm ²			0.25	8 6	---"---	=TER-XBT1R	=TER-BT1R
WE1.1	=TER+RIO/25	M8x3p			3			=TER-CP210	=TER-SE1.1L
WE1.2	=TER+RIO/25	M8x3p			3			=TER-CP210	=TER-SE1.2L
WE2.1	=TER+RIO/25	M8x3p			3			=TER-CP210	=TER-SE2.1R
WE2.2	=TER+RIO/25	M8x3p			3			=TER-CP210	=TER-SE2.2R
WE3.1	=TER+RIO/26	M8x3p			3			=TER-CP210	=TER-SE3.1L
WE3.2	=TER+RIO/26	M8x3p			3			=TER-CP210	=TER-SE3.2L
WE4.1	=TER+RIO/26	M8x3p			3			=TER-CP210	=TER-SE4.1R
WE4.2	=TER+RIO/26	M8x3p			3			=TER-CP210	=TER-SE4.2R
WE5.1	=TER+RIO/27	M8x3p			3			=TER-CP211	=TER-SE5.1
WE5.2	=TER+RIO/27	M8x3p			3			=TER-CP211	=TER-SE5.2
WE6.1	=TER+RIO/27	M8x3p			3			=TER-CP211	=TER-SE6.1
WE6.2	=TER+RIO/27	M8x3p			3			=TER-CP211	=TER-SE6.2
WE9.1	=TER+RIO/29	M8x3p			3			=TER-CP212	=TER-SE9.1
WE9.2	=TER+RIO/29	M8x3p			3			=TER-CP212	=TER-SE9.2
WE10.1	=TER+RIO/29	M8x3p			3			=TER-CP212	=TER-SE10.1
WE10.2	=TER+RIO/29	M8x3p			3			=TER-CP212	=TER-SE10.2
WE11.1	=TER+RIO/30	M8x3p			3			=TER-CP212	=TER-SE11.1
WE11.2	=TER+RIO/30	M8x3p			3			=TER-CP212	=TER-SE11.2
WE12.2	=TER+RIO/30	M8x3p			3			=TER-CP212	=TER-SE12.2
WE13.1	=TER+RIO/31	M8x3p			3			=TER-CP213	=TER-SE13.1
WE13.2	=TER+RIO/31	M8x3p			3			=TER-CP213	=TER-SE13.2

Seznam kabelů

Název kabelu	Název umístění	Typ kabelu	Vn.pr.[mm]	Pr.žl. [mm]	Žíly vš./použ.	Funkční text	Start (od)	Cíl (do)
WE14.1	=TER+RIO/31	M8x3p			3		=TER-CP213	=TER-SE14.1
WE14.2	=TER+RIO/31	M8x3p			3		=TER-CP213	=TER-SE14.2
WE15.1	=TER+RIO/32	M8x3p			3		=TER-CP213	=TER-SE15.1
WE15.2	=TER+RIO/32	M8x3p			3		=TER-CP213	=TER-SE15.2
WE16.1	=TER+RIO/32	M8x3p			3		=TER-CP213	=TER-SE16.1
WE16.2	=TER+RIO/32	M8x3p			3		=TER-CP213	=TER-SE16.2
WE17.1	=TER+RIO/34	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	IGUS.CF9.03.04.INI	=TER-CP214	=TER-SE17.1
WE17.2	=TER+RIO/34	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP214	=TER-SE17.2
WE18.2	=TER+RIO/34	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP214	=TER-SE18.2
WE19.1	=TER+RIO/35	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP215	=TER-SE19.1
WE19.2	=TER+RIO/35	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP215	=TER-SE19.2
WE20.1	=TER+RIO/35	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP215	=TER-SE20.1
WE20.2	=TER+RIO/35	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP215	=TER-SE20.2
WE21.1	=TER+RIO/33	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP214	=TER-SE21.1
WE21.2	=TER+RIO/33	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP214	=TER-SE21.2
WE22.1	=TER+RIO/33	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP214	=TER-SE22.1
WE22.2	=TER+RIO/33	TPE-Steuerleitung 4x0,34 mm ²	^{CF9} 5	0,34	4 3	---	=TER-CP214	=TER-SE22.2
WEP21a	=TER+RIO/41	M8x3p	^{PKG3M-5/TXL-M8} 6		2		=TER-CP220	=TER+PNE-EP21
WEP21b	=TER+RIO/41	M8x3p	^{PKG3M-5/TXL-M8} 6		2		=TER-CP220	=TER+PNE-EP21
WEP22a	=TER+RIO/41	M8x3p	^{PKG3M-5/TXL-M8} 6		2		=TER-CP220	=TER+PNE-EP22
WEP22b	=TER+RIO/41	M8x3p	^{PKG3M-5/TXL-M8} 6		2		=TER-CP220	=TER+PNE-EP22
WES3	=TER+RIO/24	ÖLFLEX® CLASSIC 110 4X0.5 mm	^{ÖLFLEX® CLASSIC 110} 5.7	0.5	4X 4	EMERGENCY STOP EXTERNAL	=TER-CP202	=TER+XAL01-ES3
WSBK1	=TER+RIO/36	ÖLFLEX® CLASSIC 110 2x0.5 mm	^{ÖLFLEX® CLASSIC 110} 4,8 mm	0.5	2 2		=TER-XSBK1	=TER-CP215
WSBK2	=TER+RIO/36	ÖLFLEX® CLASSIC 110 2x0.5 mm	^{ÖLFLEX® CLASSIC 110} 4,8 mm	0.5	2 2		=TER-XSBK2	=TER-CP215
WSC1	=TER+RIO/23	M12X8p			7	DOL-1208G05MD25KM1	=TER-XSC1.3	=TER-X1
WSC2	=TER+RIO/23	M12X8p			7	---	=TER-XSC2.3	=TER-X1
WSM1	=TER+RIO/21	PKG4M-5/TXL-M8 4x0,34 mm ²	^{PKG4M-5/TXL-M8} 8	0,34	4x 4	Safe Door switch L1	=TER-SM1	=TER-CP201
WSM2	=TER+RIO/21	PKG4M-5/TXL-M8 4x0,34 mm ²	^{PKG4M-5/TXL-M8} 8	0,34	4x 4	Safe Door switch R1	=TER-SM2	=TER-CP201
WSQ1	=TER+RIO/36	M8x4p			3		=TER-CP215	=TER-SQ1
WSQ2	=TER+RIO/36	M8x4p			3		=TER-CP215	=TER-SQ2
WSQ5	=TER+RIO/37	M8x3p			3		=TER-CP216	=TER-SQ5

Seznam kabelů

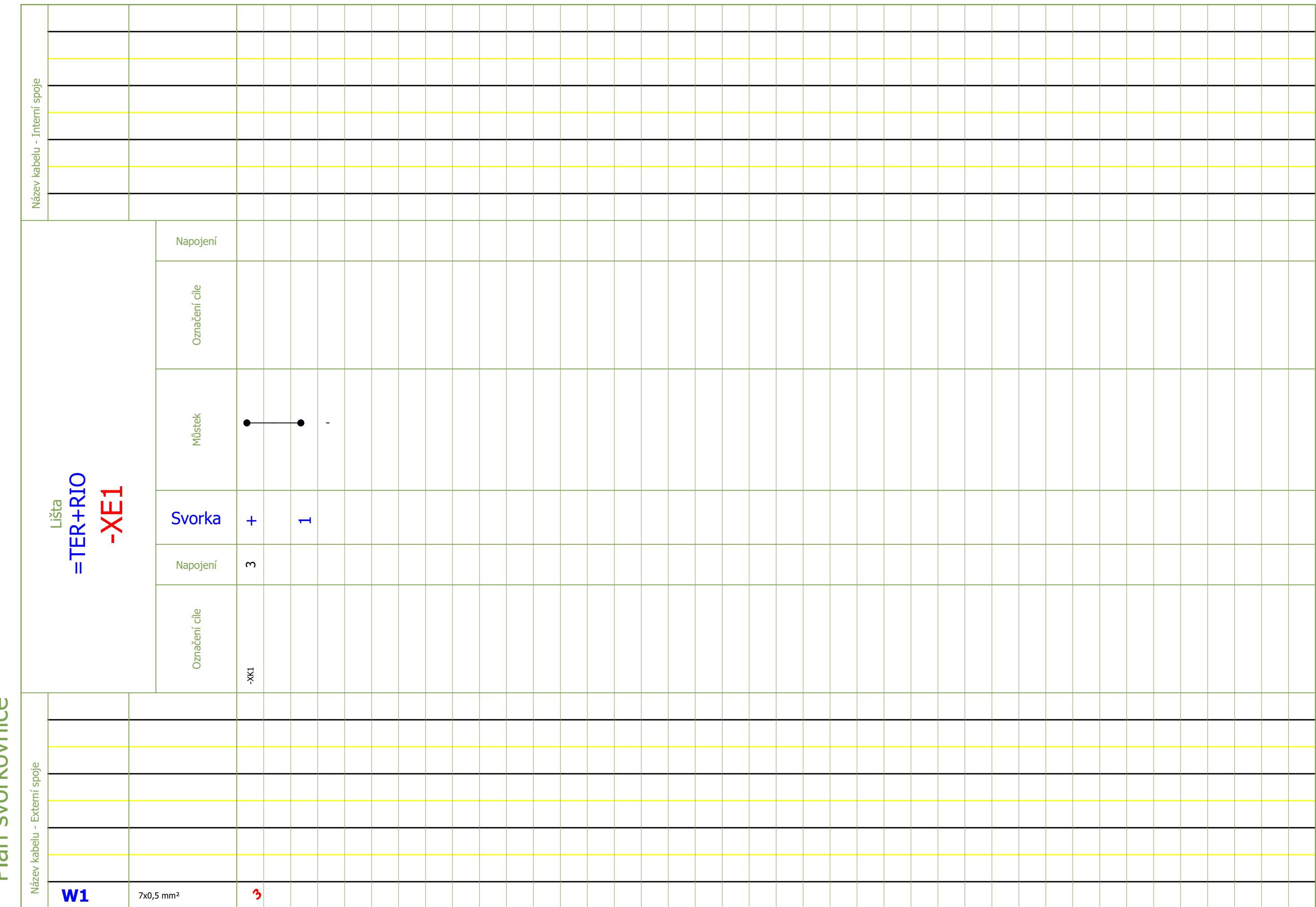
Název kabelu	Název umístění	Typ kabelu	Vn.pr.[mm]	Pr.žl. [mm]	Žíly vš./použ.	Funkční text	Start (od)	Cíl (do)
WSQ6	=TER+RIO/37	M8x3p			3		=TER-CP216	=TER-SQ6
WSQ7	=TER+RIO/37	NEBU-M8G3-K-2.5-LE3 NEBU-M8G3-K-2.5-LE3 3x0,25 mm ²	4,5mm ±0,1	0,25	3 3		=TER-CP216	=TER-SQ7
WSQ8	=TER+RIO/37	NEBU-M8G3-K-2.5-LE3 NEBU-M8G3-K-2.5-LE3 3x0,25 mm ²	4,5mm ±0,1	0,25	3 3		=TER-CP216	=TER-SQ8
WSQ9	=TER+RIO/38	NEBU-M8G3-K-2.5-LE3 NEBU-M8G3-K-2.5-LE3 3x0,25 mm ²	4,5mm ±0,1	0,25	3 3		=TER-CP216	=TER-SQ9
WSQ10	=TER+RIO/38	NEBU-M8G3-K-2.5-LE3 NEBU-M8G3-K-2.5-LE3 3x0,25 mm ²	4,5mm ±0,1	0,25	3 3		=TER-CP216	=TER-SQ10
WSQ11	=TER+RIO/38	M8x3p			3		=TER-CP216	=TER-SQ11
WSQ12	=TER+RIO/38	M8x3p			3		=TER-CP216	=TER-SQ12
WSQ13	=TER+RIO/39	M8x3p			3	XZCP0566L10	=TER-CP217	=TER-SQ13
WSQ14	=TER+RIO/39	M8x3p			3	---"---	=TER-CP217	=TER-SQ14
WSQ15	=TER+RIO/39	M8x3p			3		=TER-CP217	=TER-SQ15

2.a

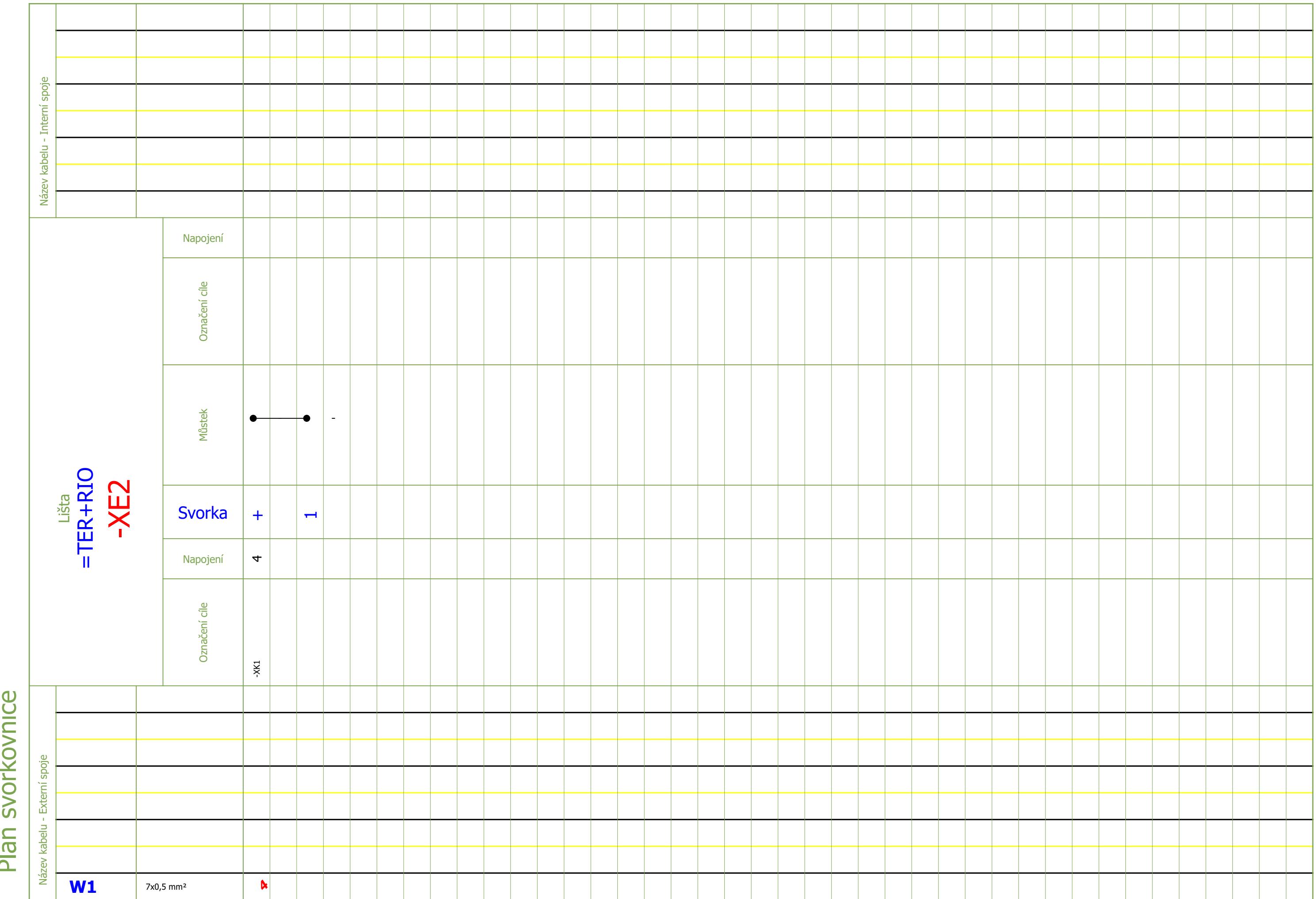


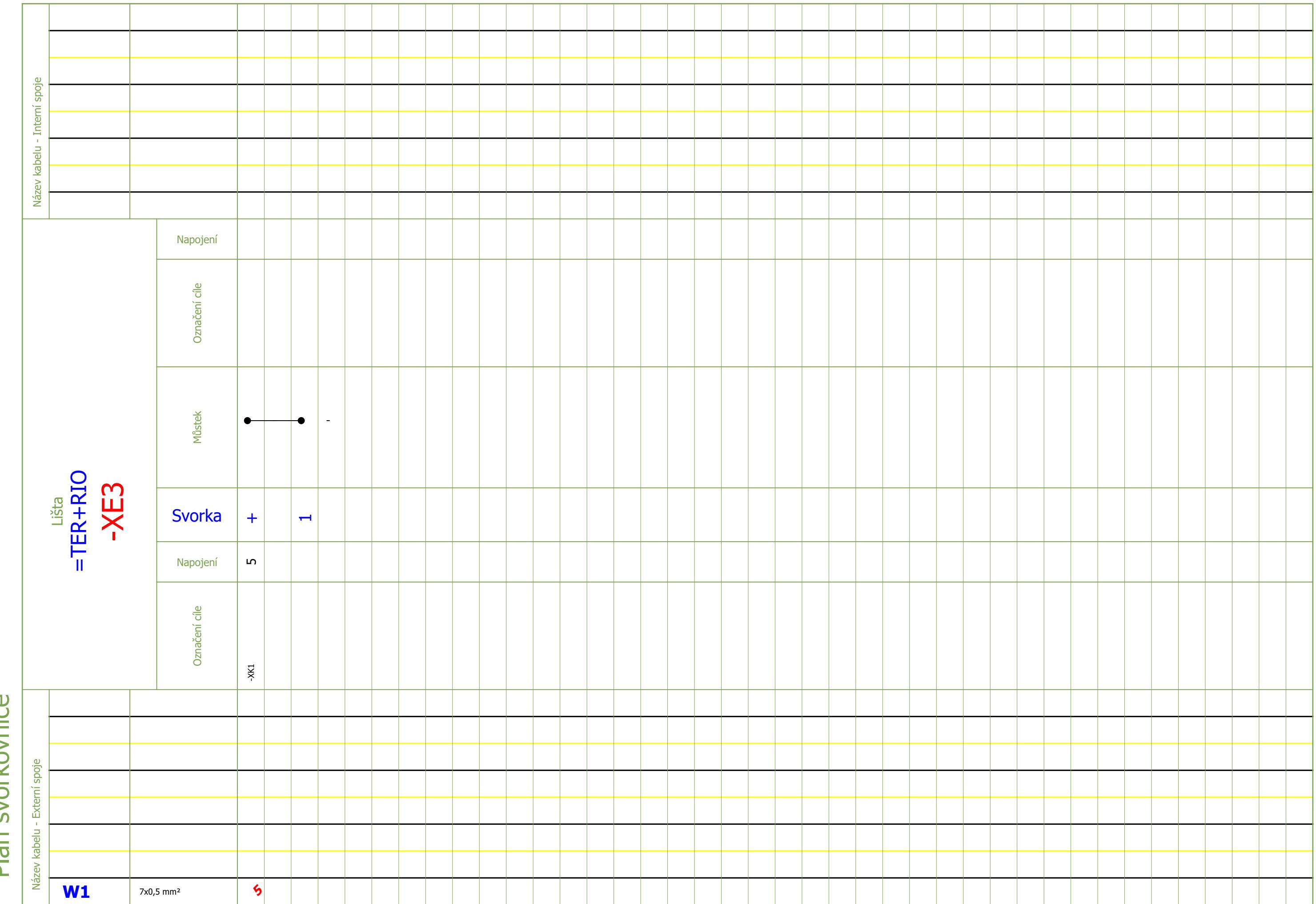
Datum vyt.	19.01.2021	E-mail	david.fiala@bk-technic.cz	Zákazka	N20-1024 (V-XL)	Zákazník	BK Technic s.r.o	==	++
Zpracoval	D.F. David Fiala							=	+
Ověřil		Telefon		Projekt					RIO
Datum zm.	19.01.2021		606589084	Ultrasonic bonding station					

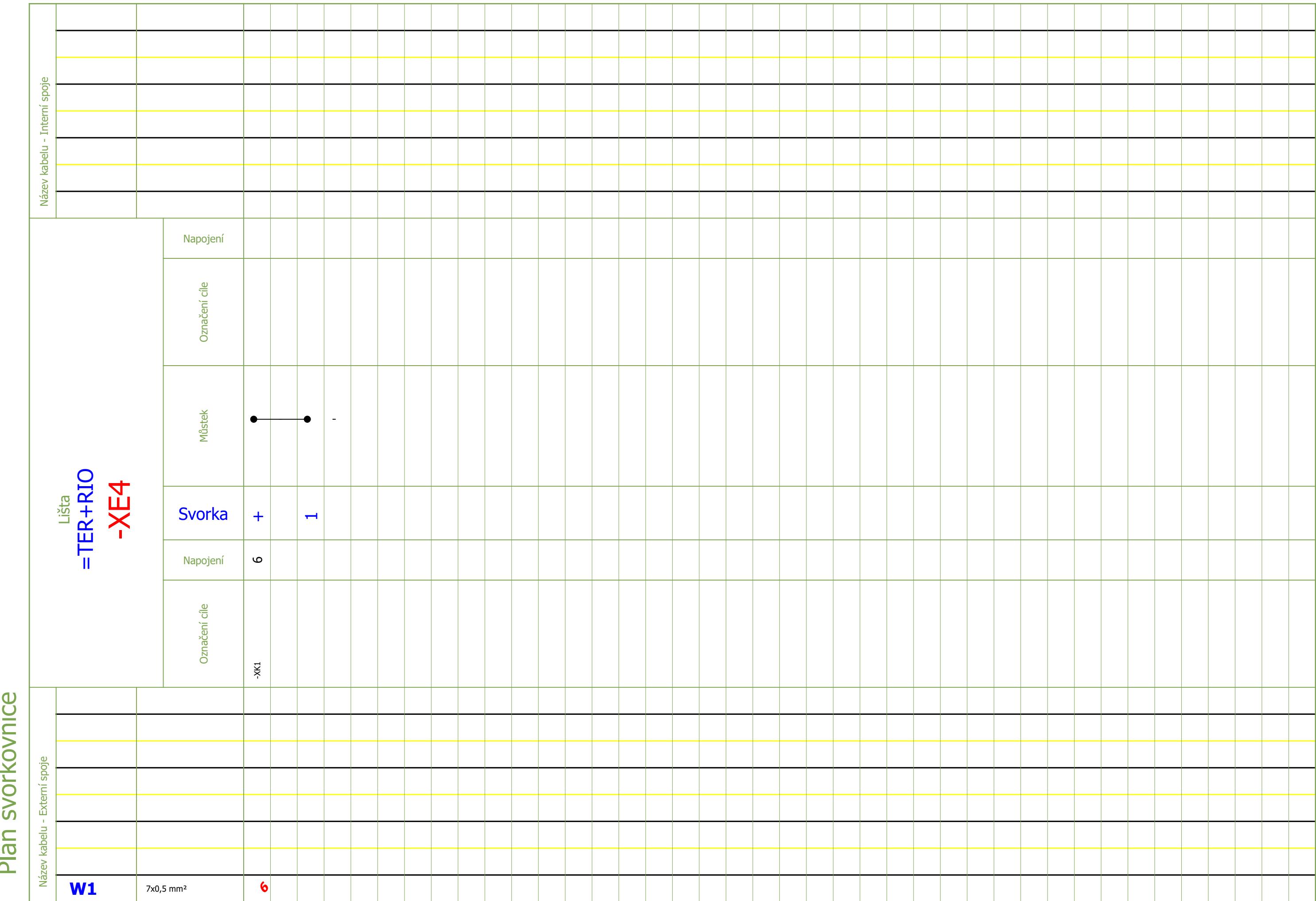
Plán svorkovnice		Název kabelu - Externí spoje									
		Název kabelu - Interní spoje									
Lišta =TER+RIO -X1	Napojení	Označení cíle									
	Můstek										
	Svorka	19	41	-	-	-	-	-	-	-	-
	Napojení	20	42	-	-	-	-	-	-	-	-
	Označení cíle	-X2	-X2	-	-	-	-	-	-	-	-

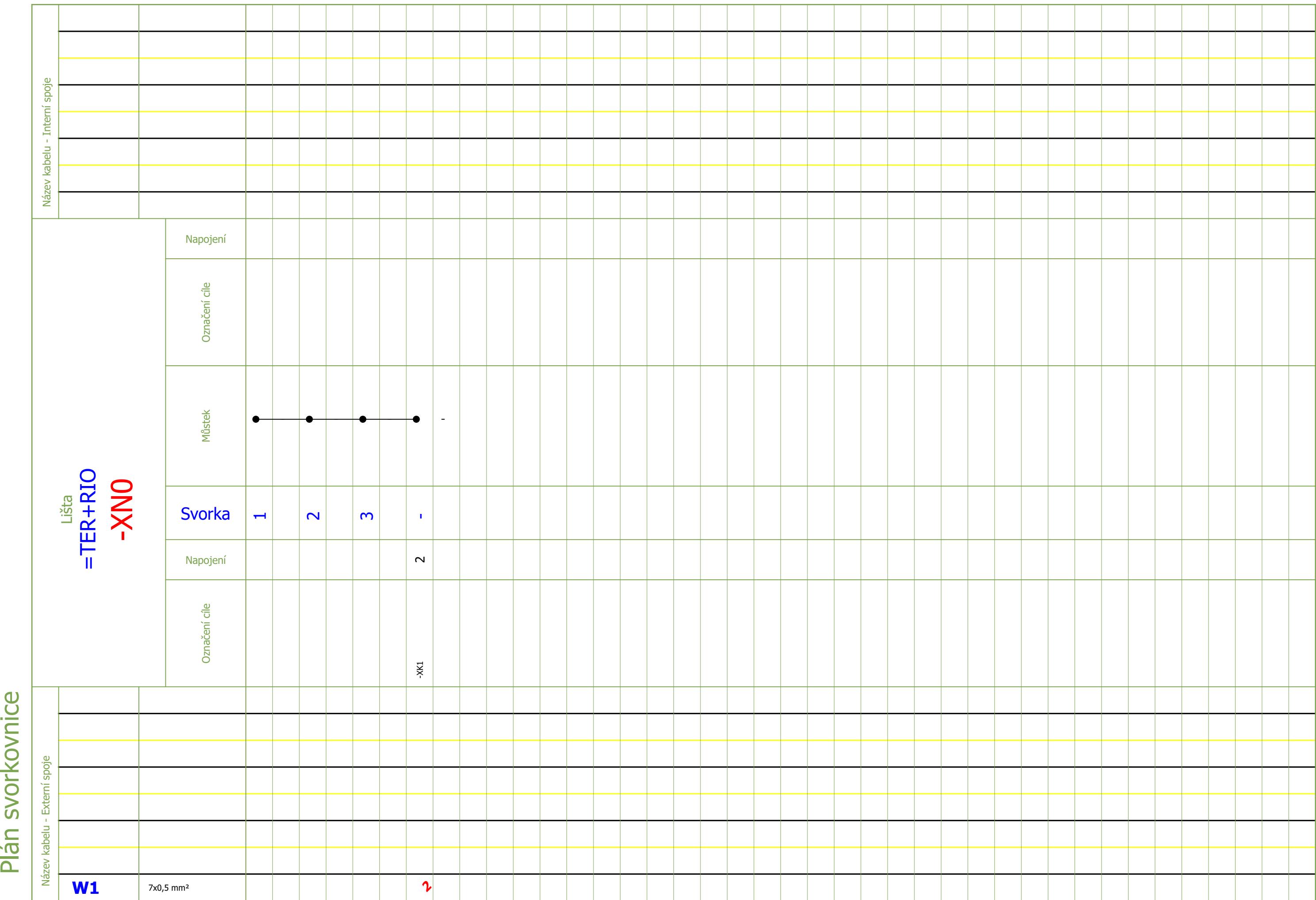


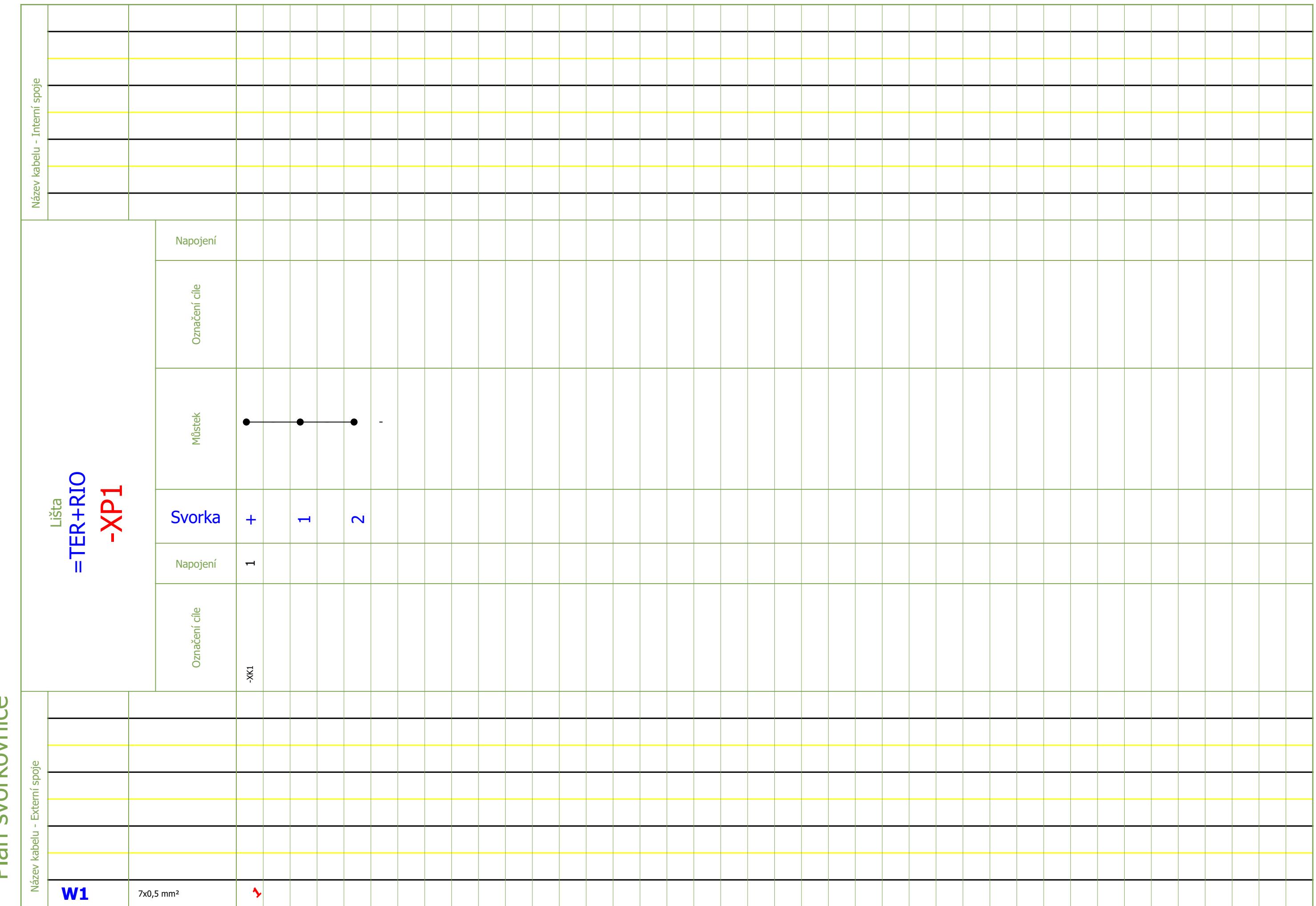
3.a

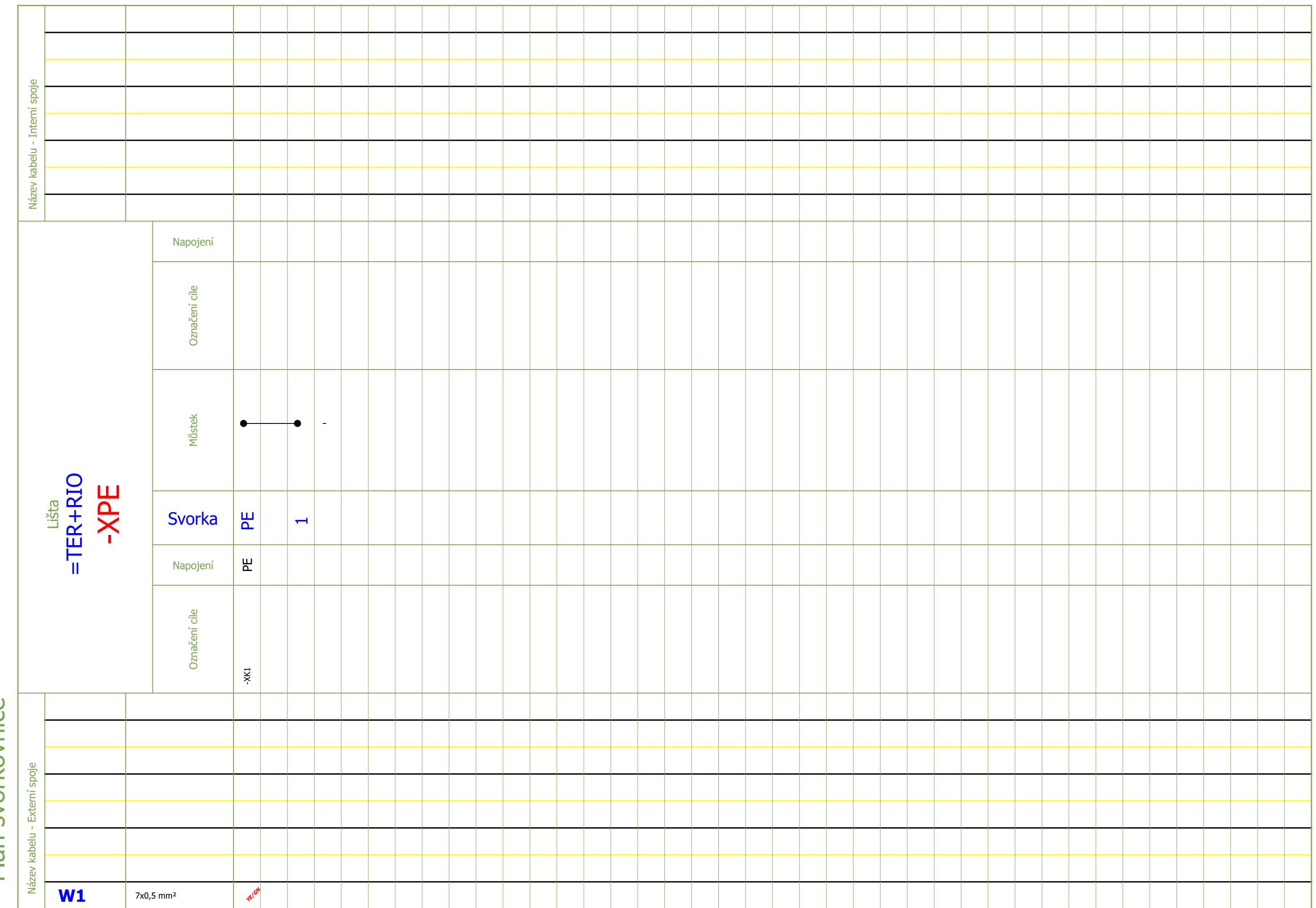












**BK Technic s.r.o.**

Zámecká 63
463 43 Český Dub IV
www.bk-technic.cz
info@bk-technic.cz

Firma / zákazník

Název projektu

Číslo výkresu

Golde Oradea SRL

Ultrasonic bonding station

N20-1024

Výrobce (firma)

BK Technic s.r.o.

Název projektu

N20-1024

Napájení

400V AC

Frekvence

50 Hz

Ovládací napětí

24 V DC

Příkon

10kW

Rok výroby

2021

Místo instalace

Golde Oradea SRL

Vytvořeno dne

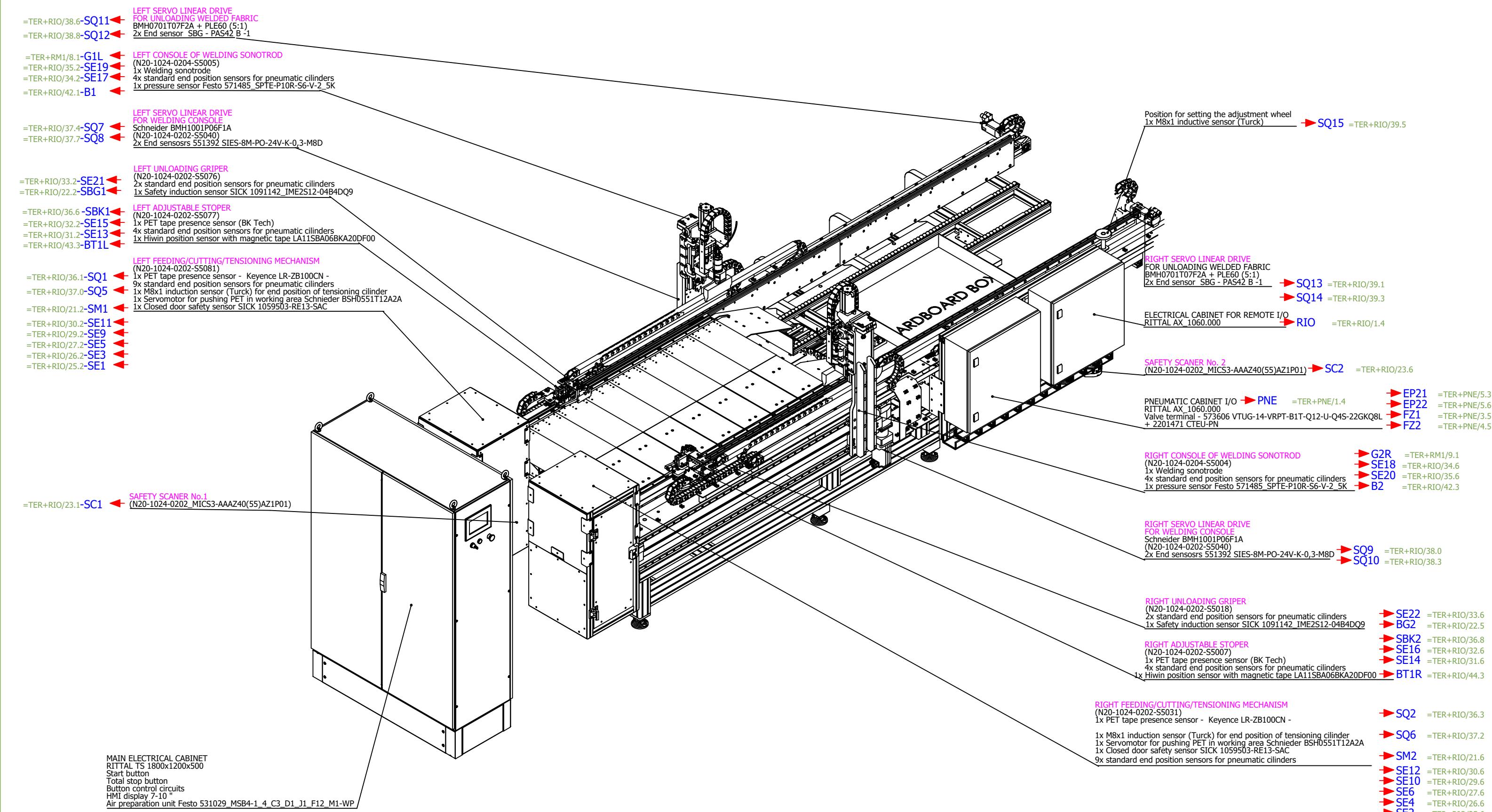
16.12.2020

Zpracováno dne

19.01.2021

od (zkratka) David Fiala

Počet stran 116



+RM1
HLAVNÍ ROZVÁDĚČ

N20-1024

+RM1

The main electrical box

VX25 8285000 ,1200x1800x500mm

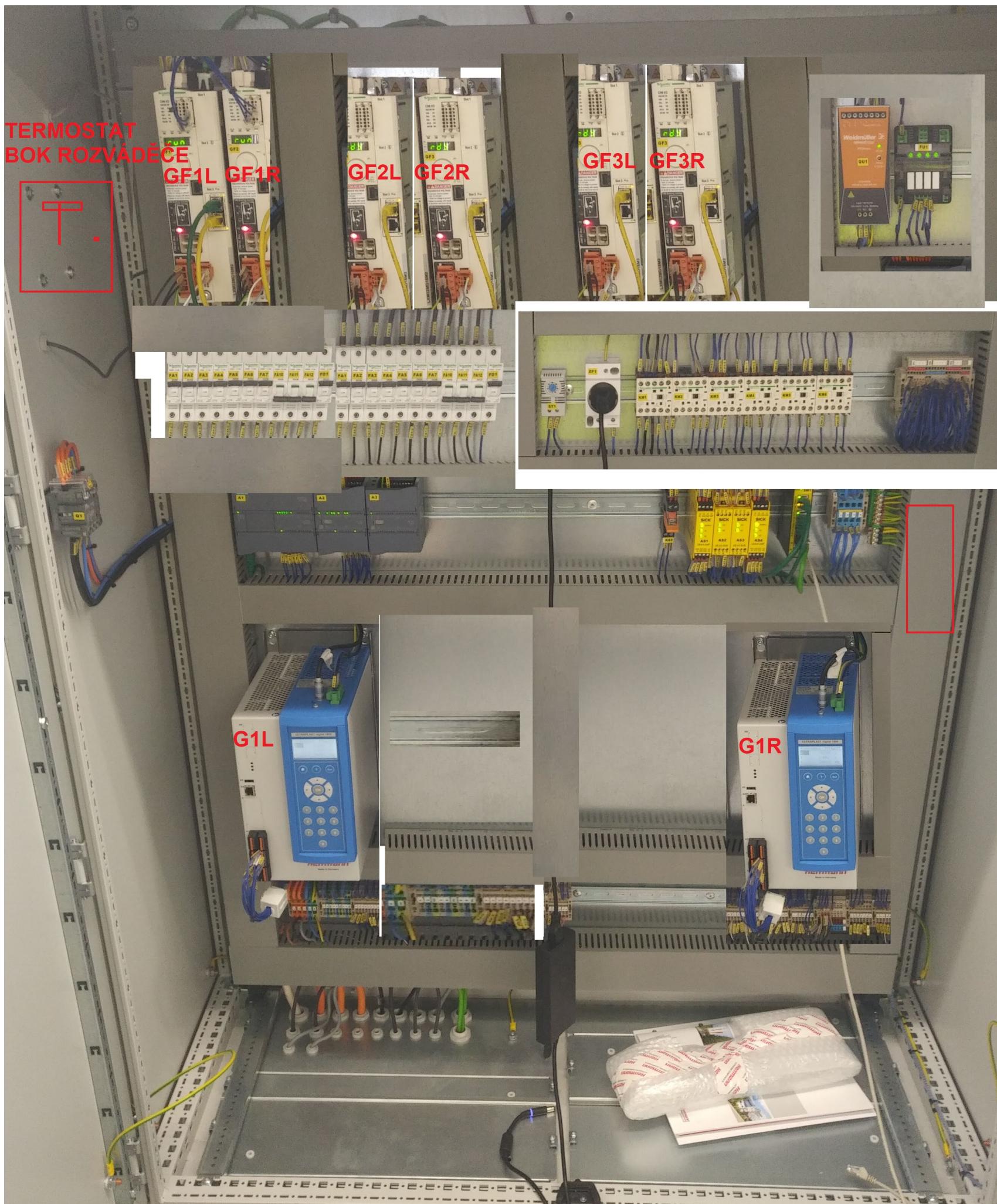
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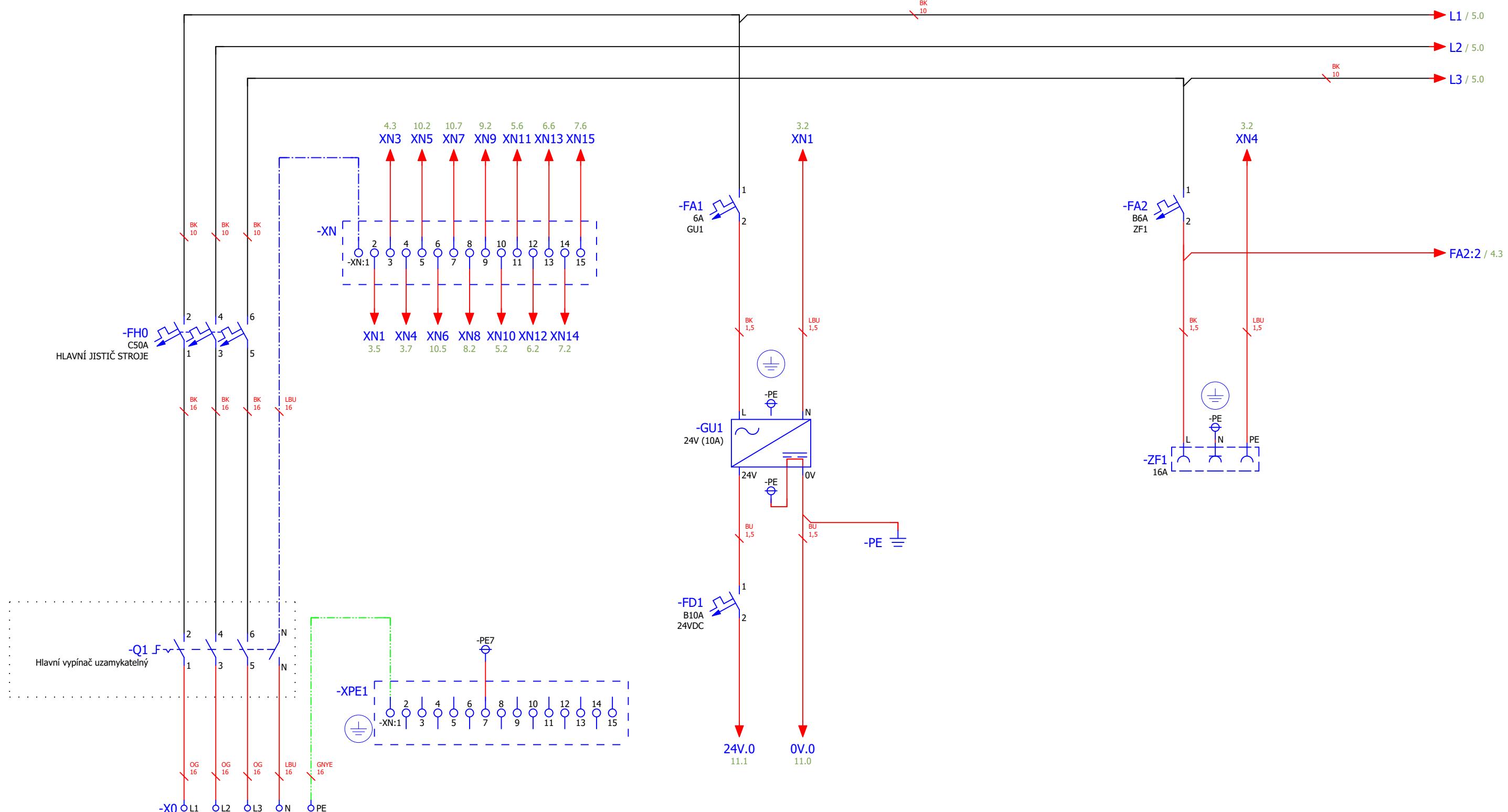


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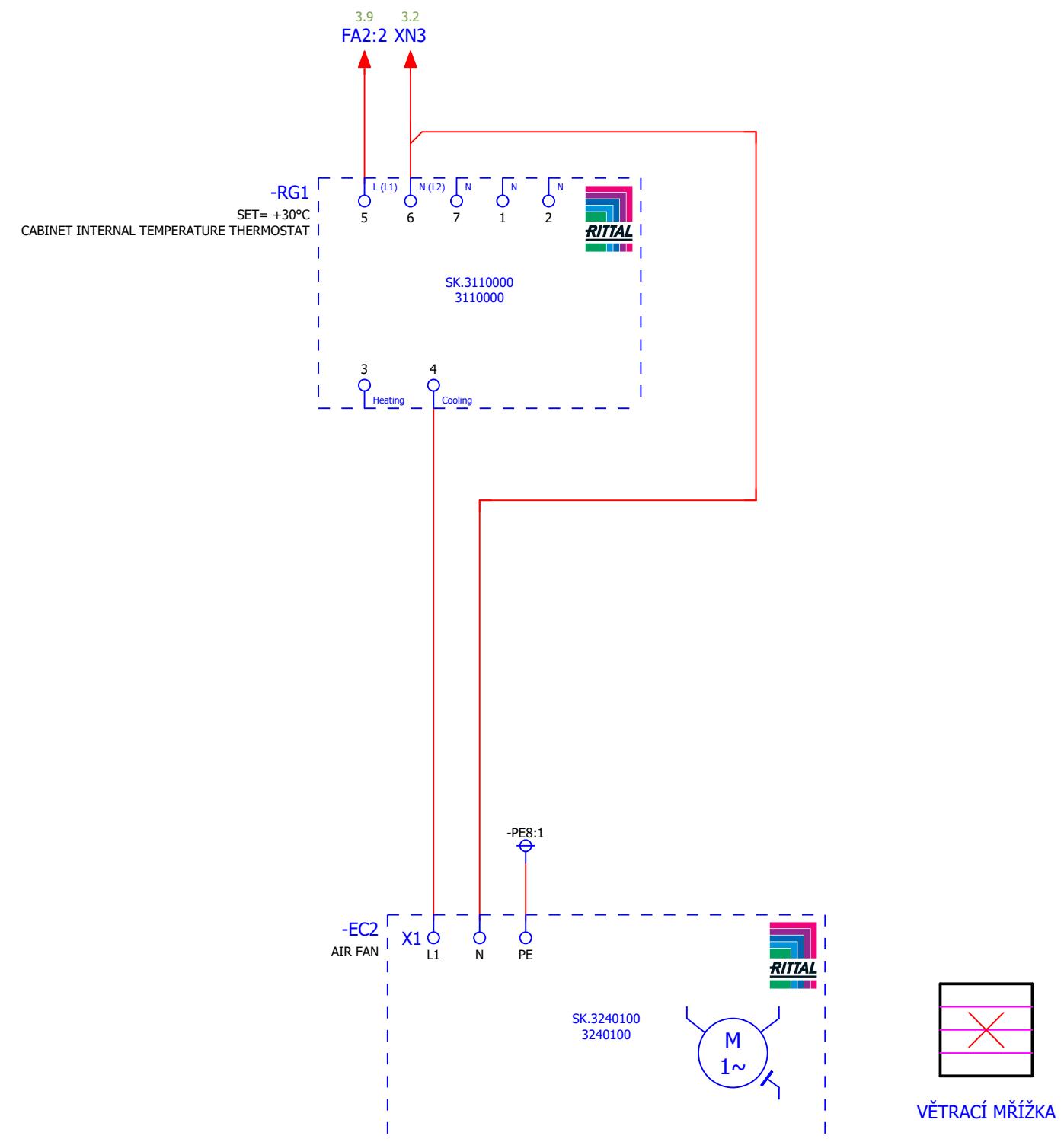
Typ:	+RM1		In:	50A		
Výrobek:	BK-RM1-N20-1024		Imax:	58A		
Soustava:	TN - S		f:	50Hz		
Výrobní číslo:	006/21		Un:	3x230V / 3x400V AC		
Kusová zkouška:	KZ-006/21		Uovl:	24V DC		
Datum:	15. 1.2021					
Výkres č.:	N20-1024					
Zkratový proud:	10 kA					
IP:	54/20	ČSN EN 60529				
Napojeno z:	Hlavní přívod					
ČSN EN 60204-1 ed.3, 02/2019						

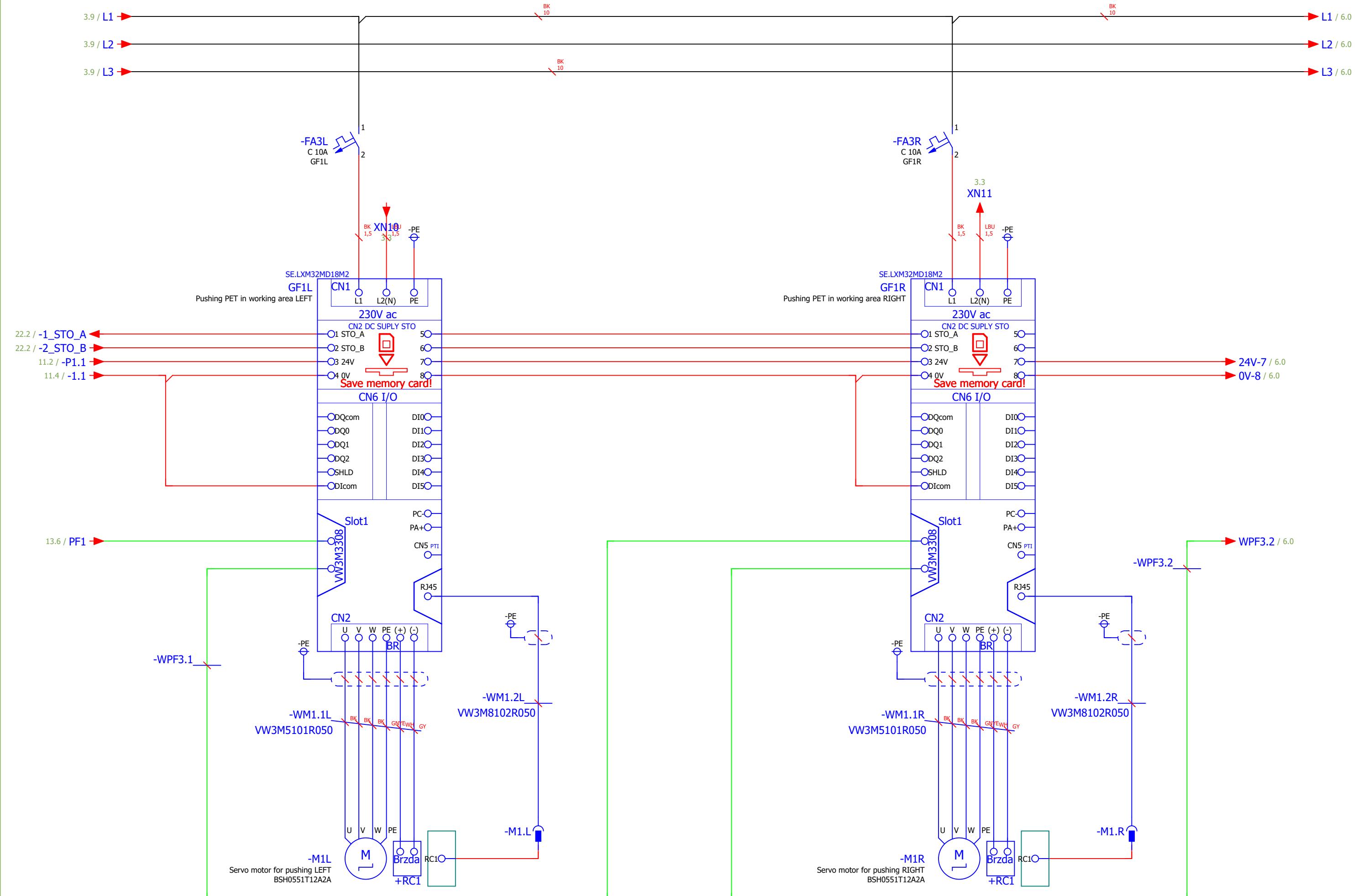


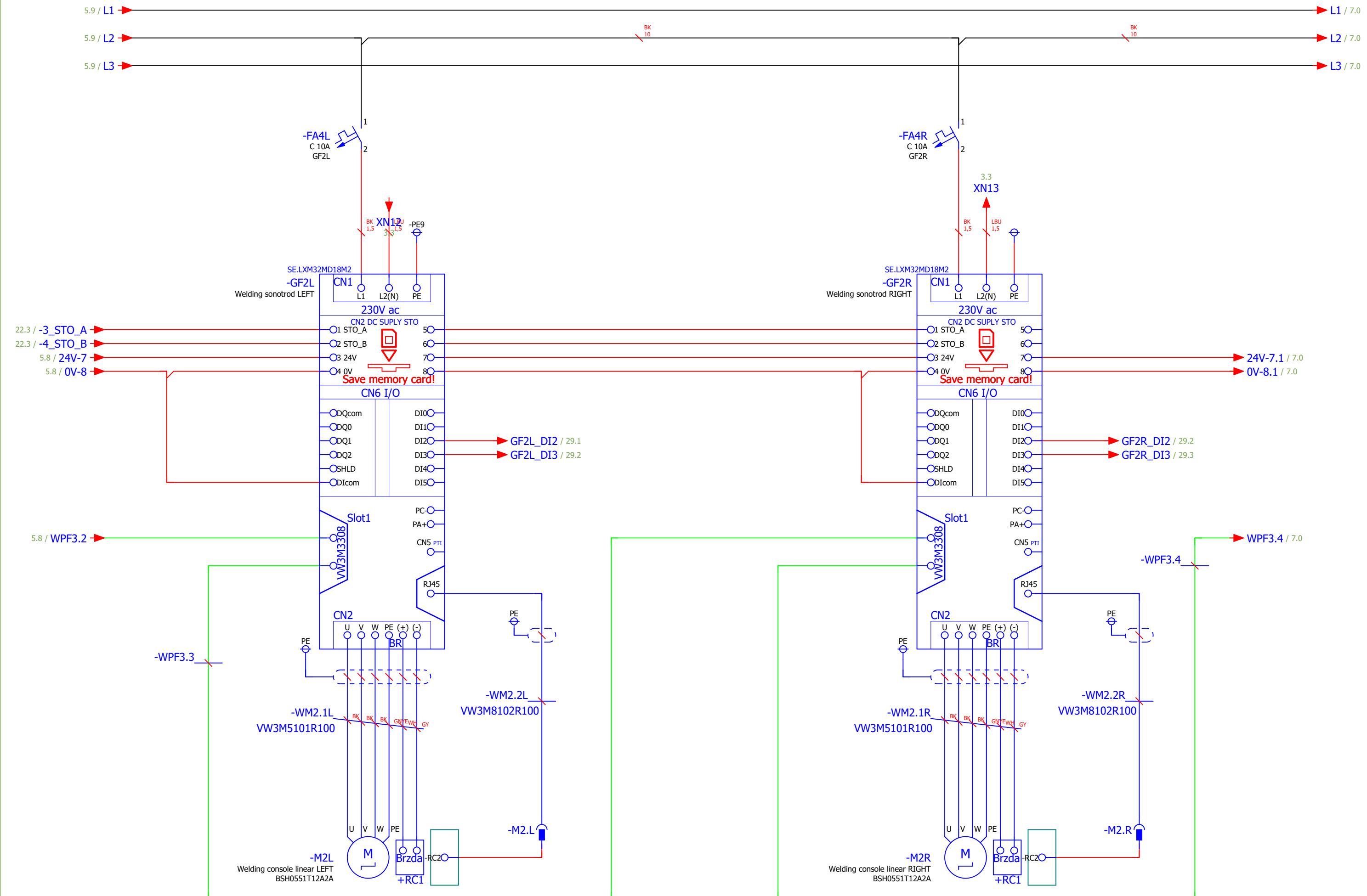


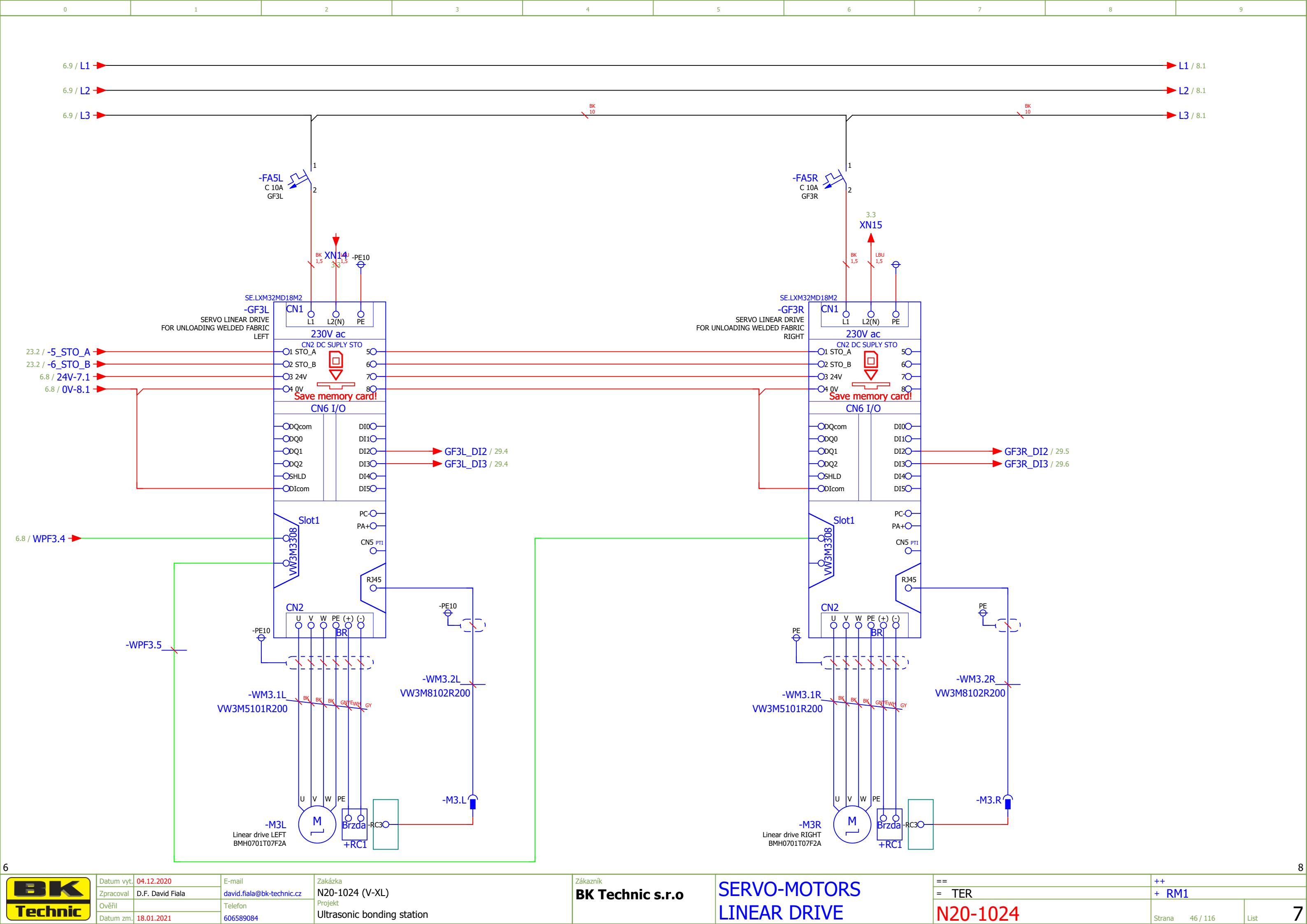


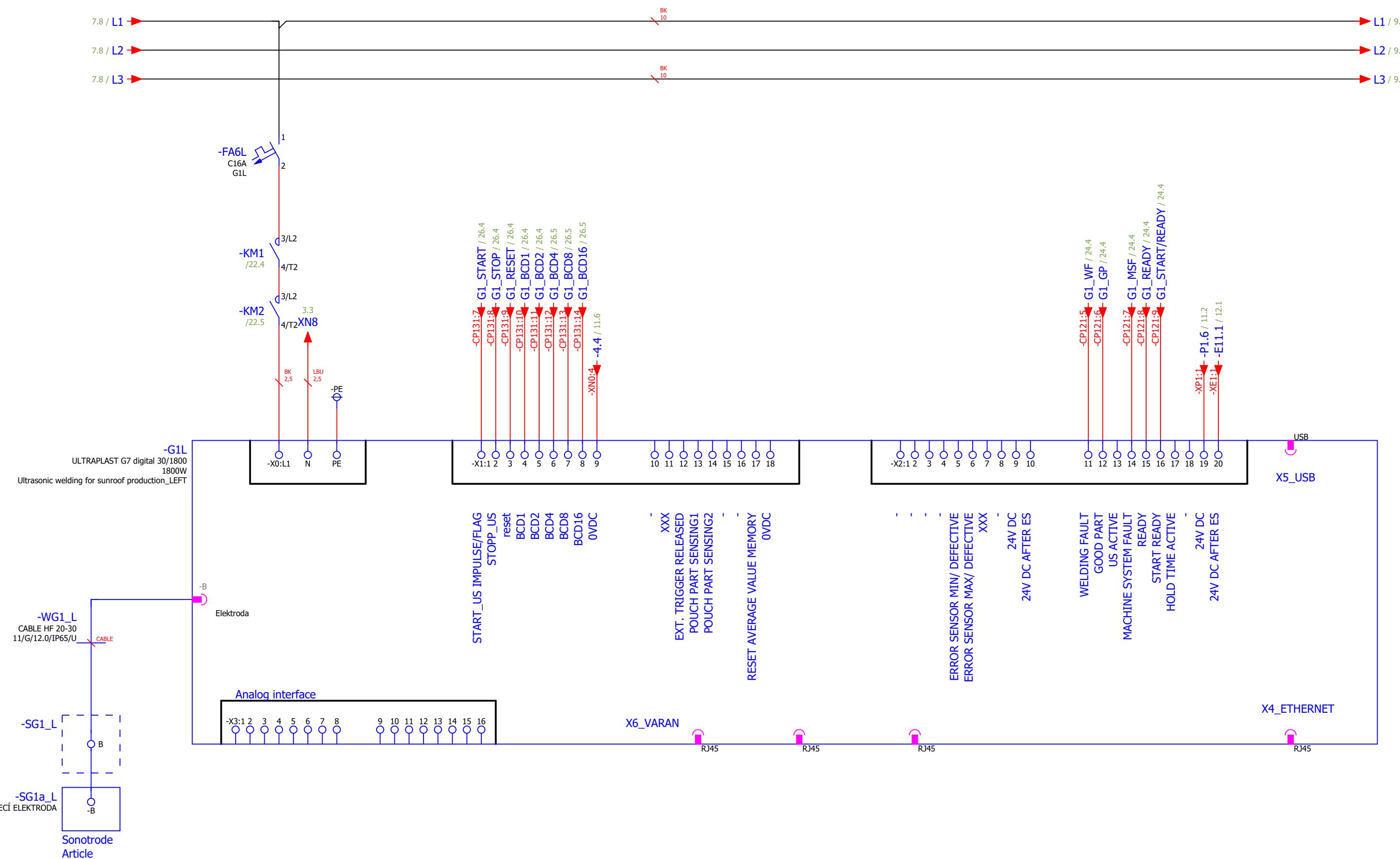
Předřadné jištění 3xC 50A
TN-S, 3x230V/3x400V, 50Hz

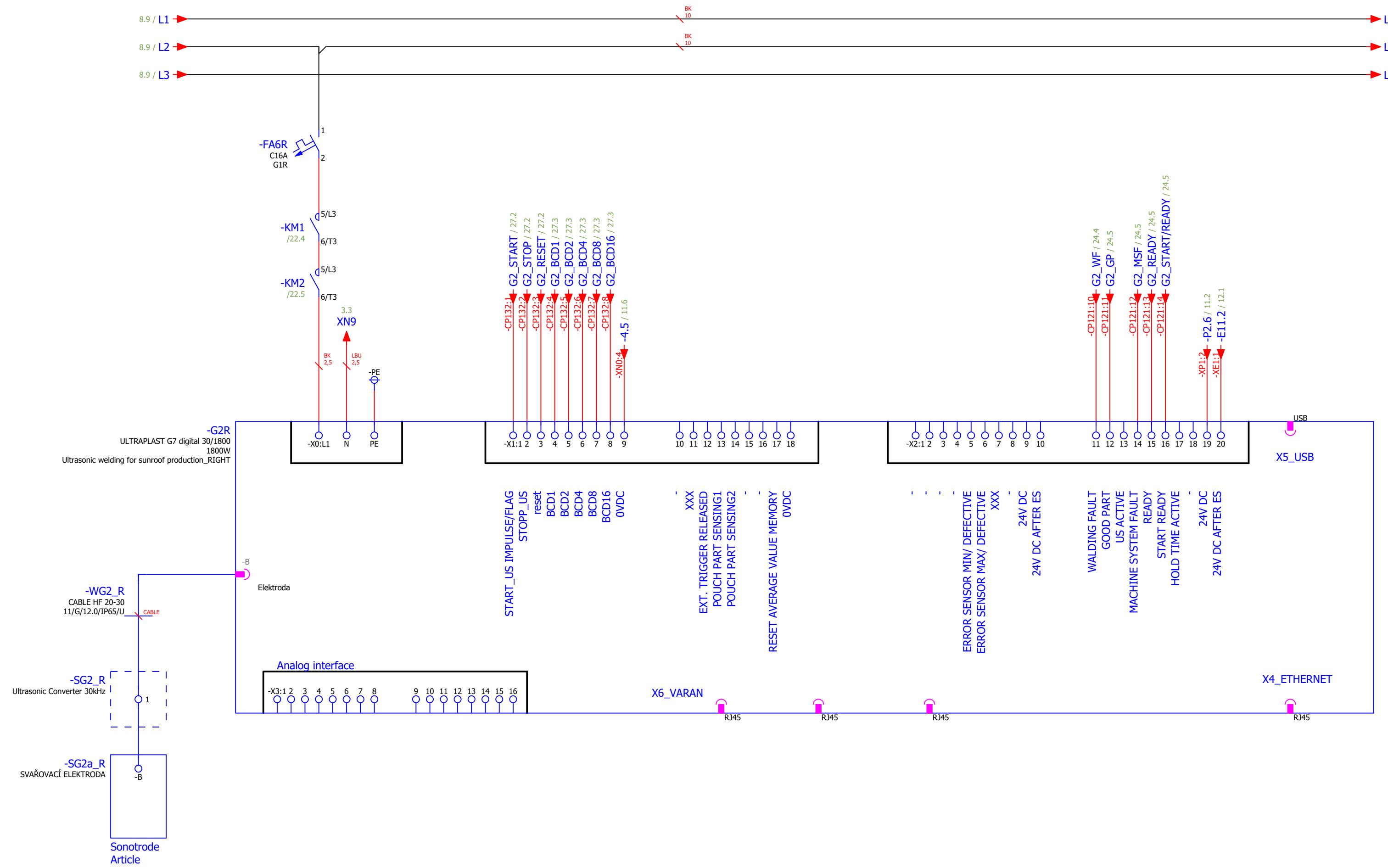




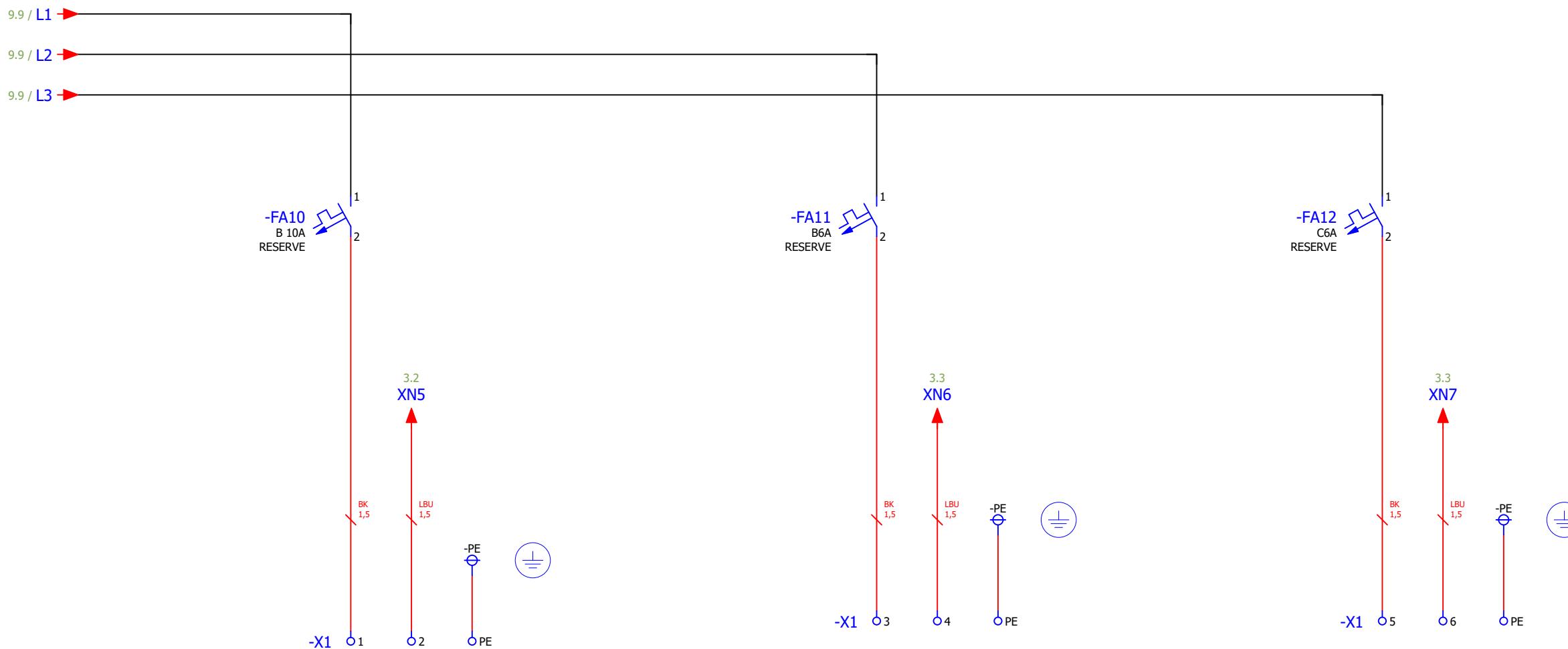


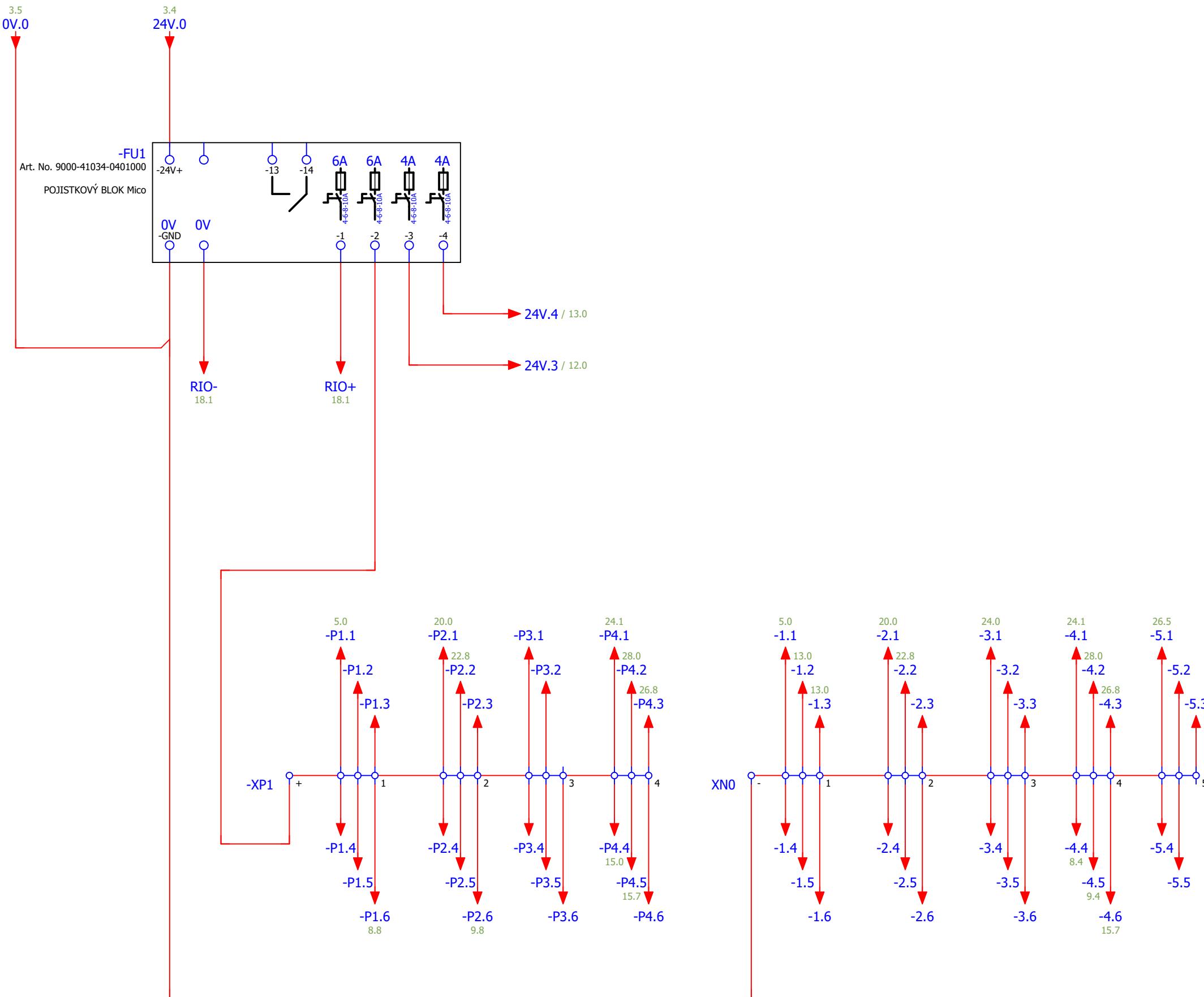


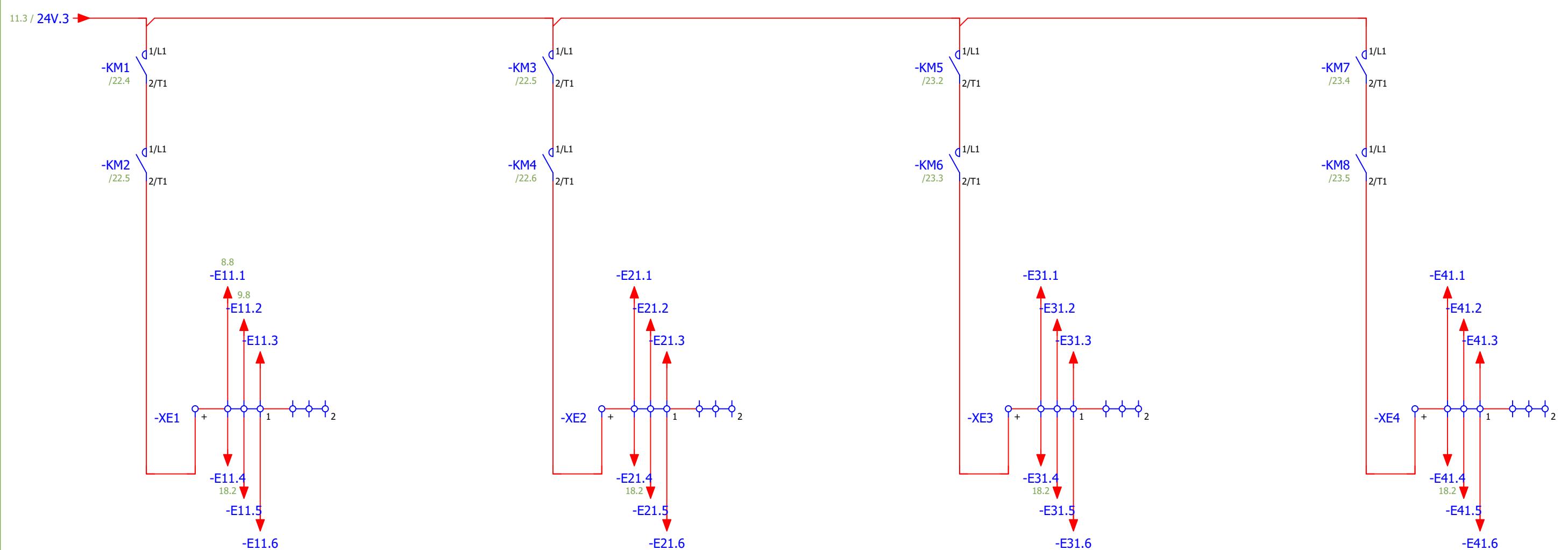


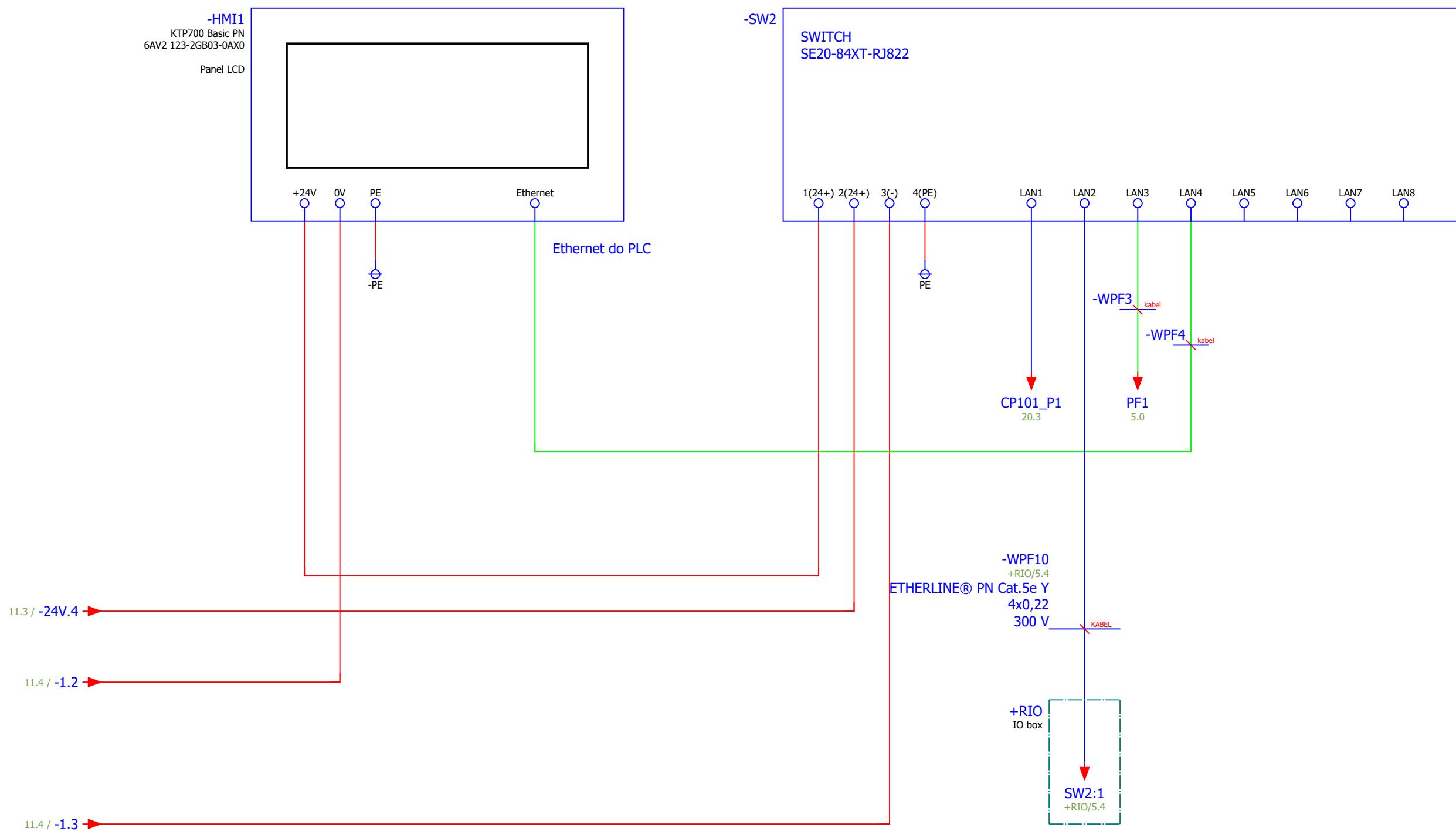


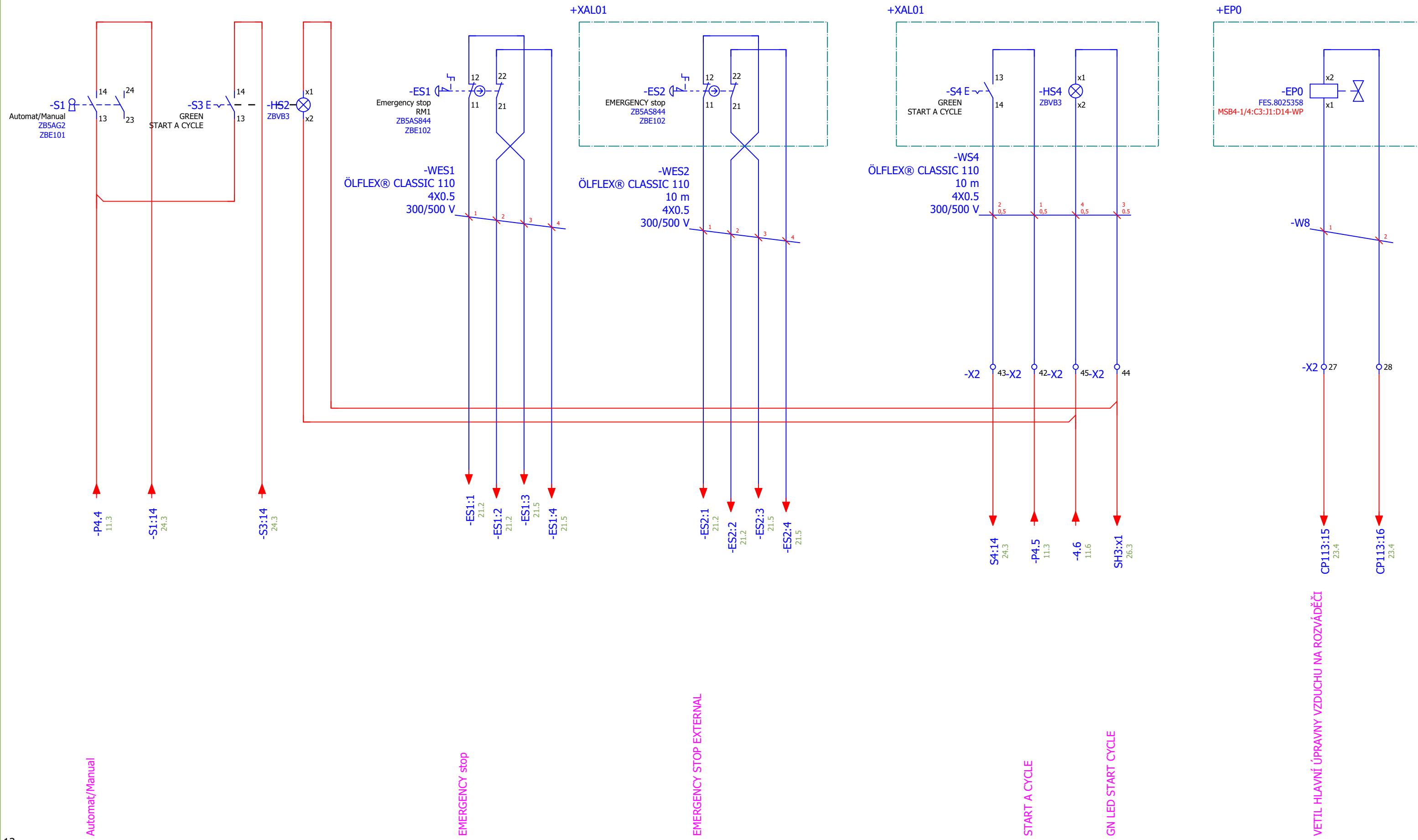
→ G2R =DOK+DOK/2.9

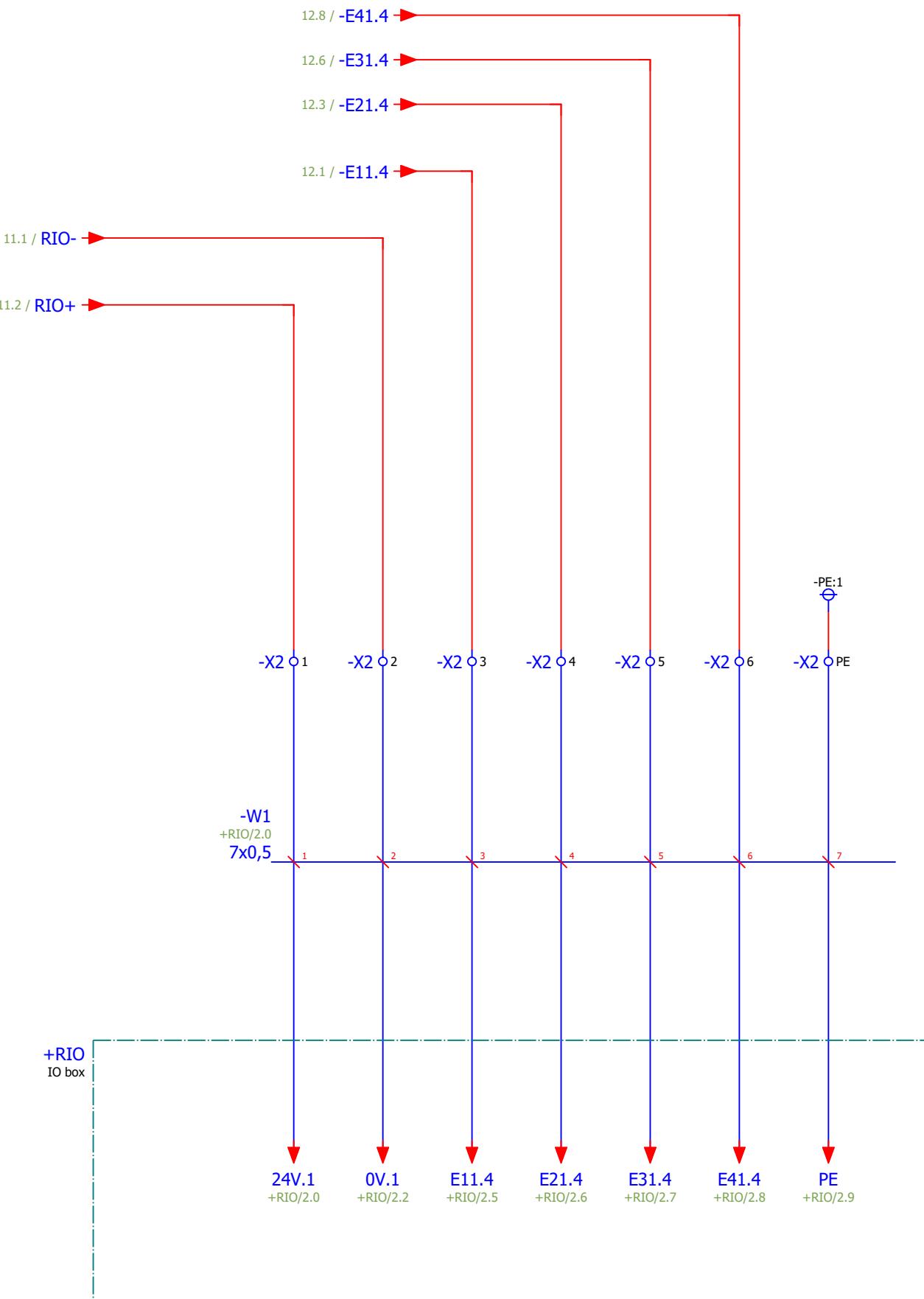




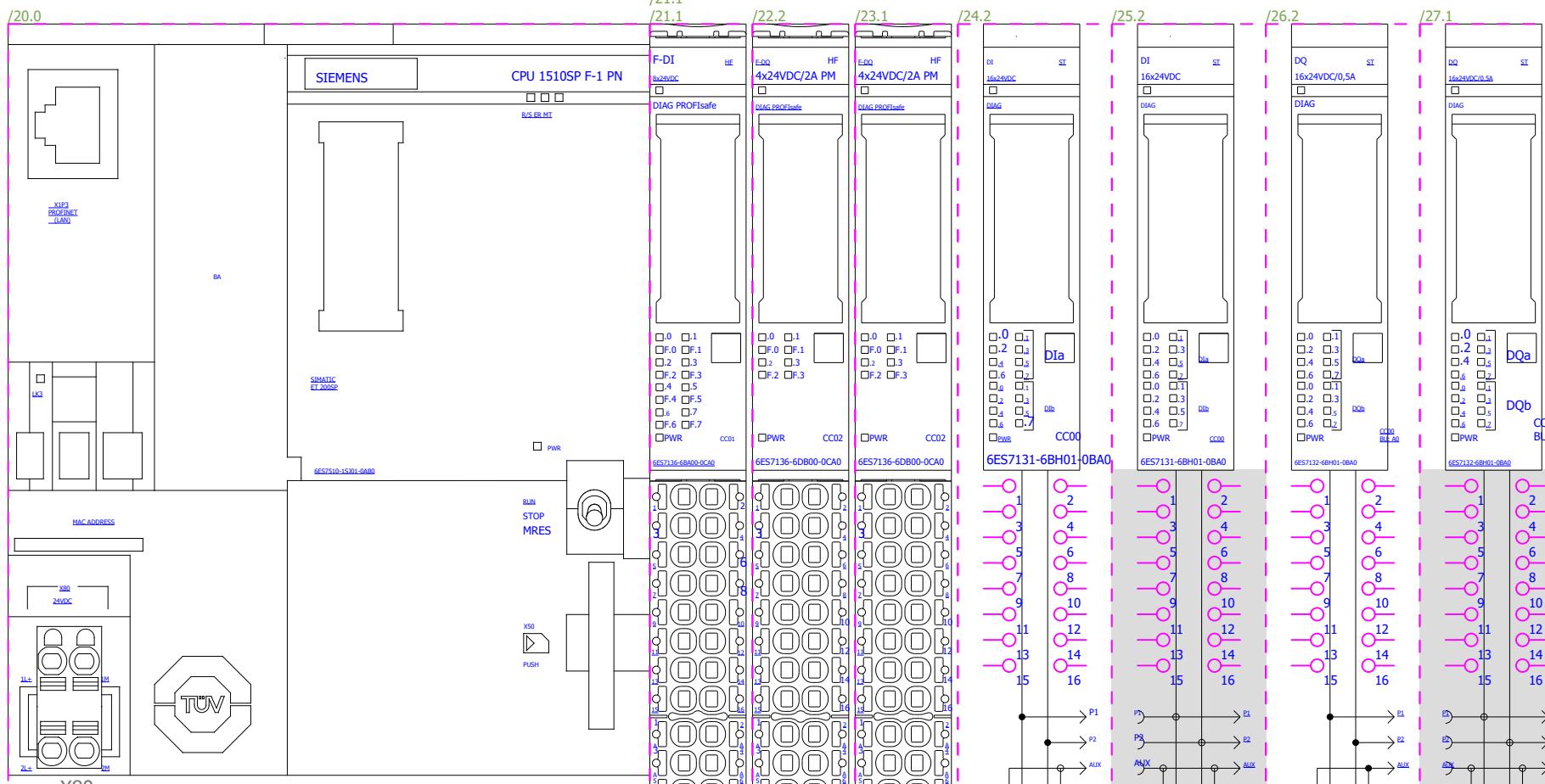








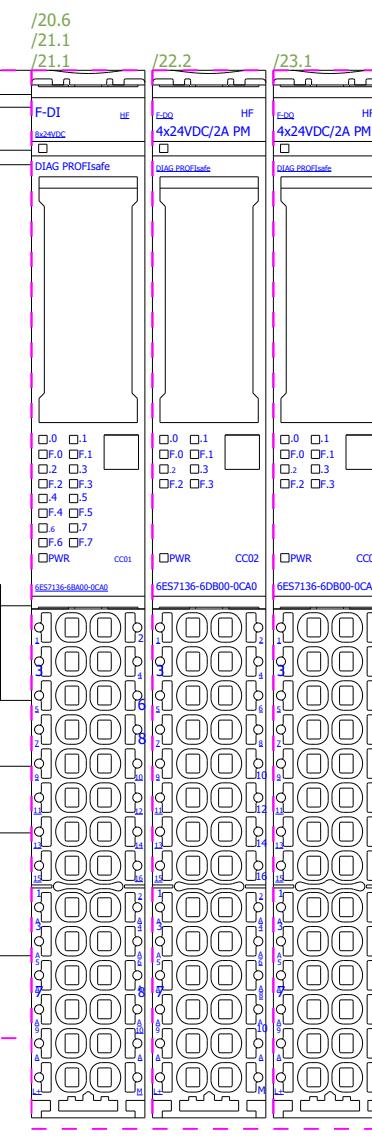
-CP100



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-CP110

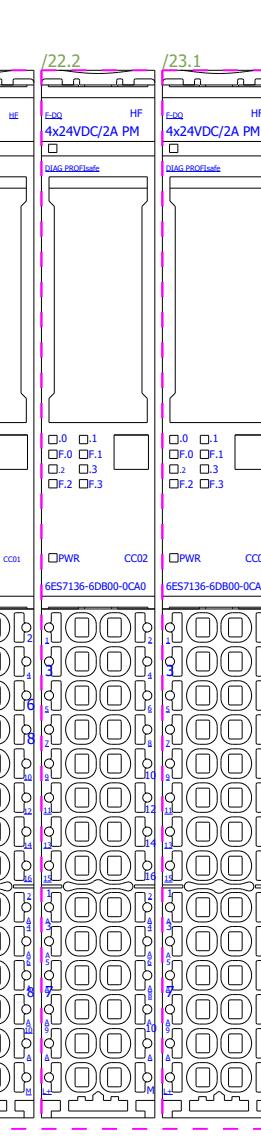
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/21.1

/20.6

-CP112

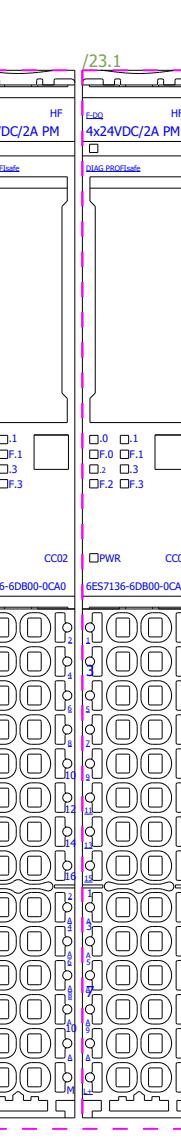
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/23.1

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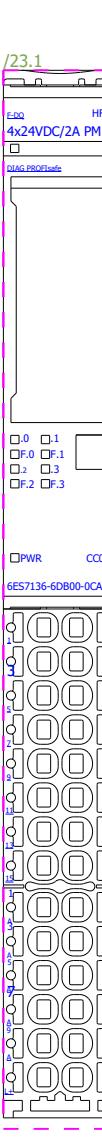
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/24.2

/23.1

-CP121

SIE.6ES7193-6BP20-0DA0
SIE.6ES7131-6BH01-0BA0

/24.2

/25.2

/24.2

-CP122

SIE.6ES7193-6BP20-0DA0
SIE.6ES7131-6BH01-0BA0

/25.2

/26.2

/25.2

-CP131

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/27.1

/26.2

-CP132

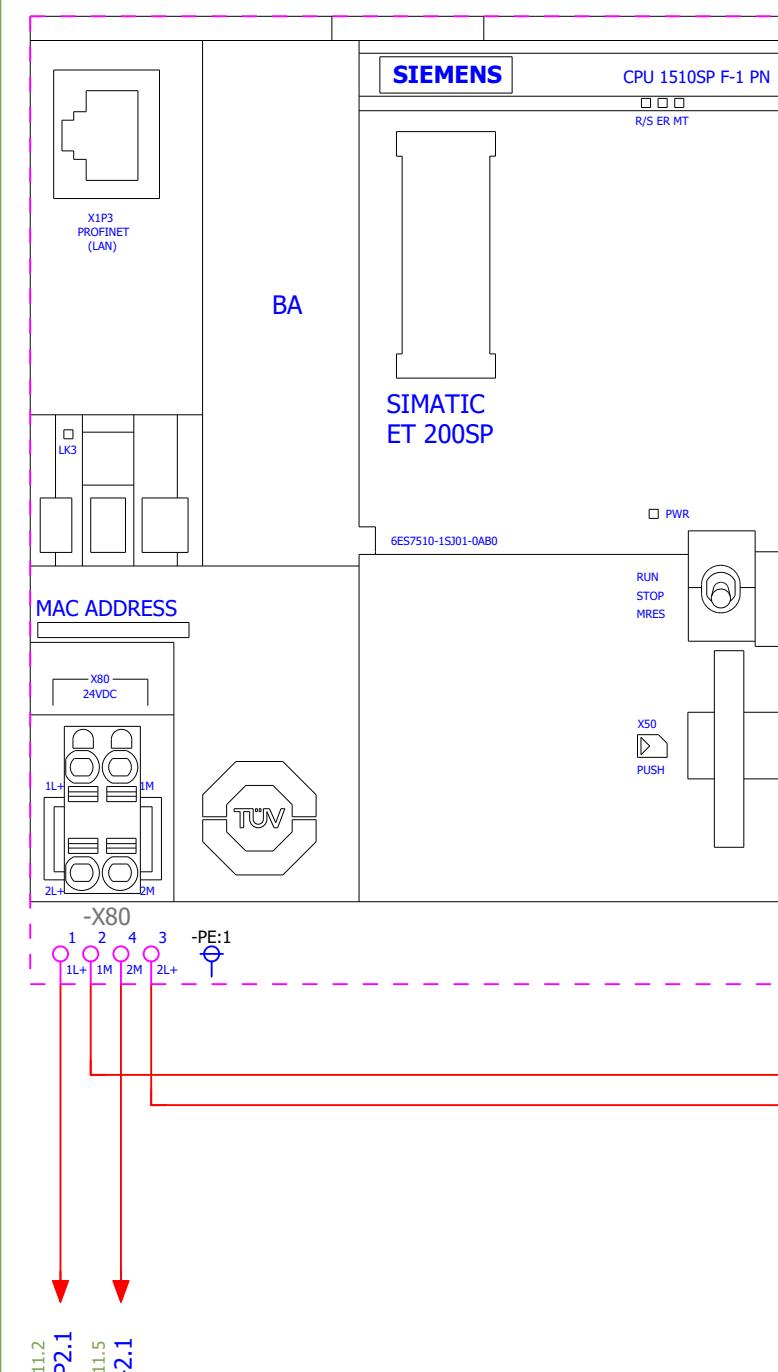
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SIE.6ES7132-6BH01-0BA0

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/27.1

/27.1

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/19.1



-CP101
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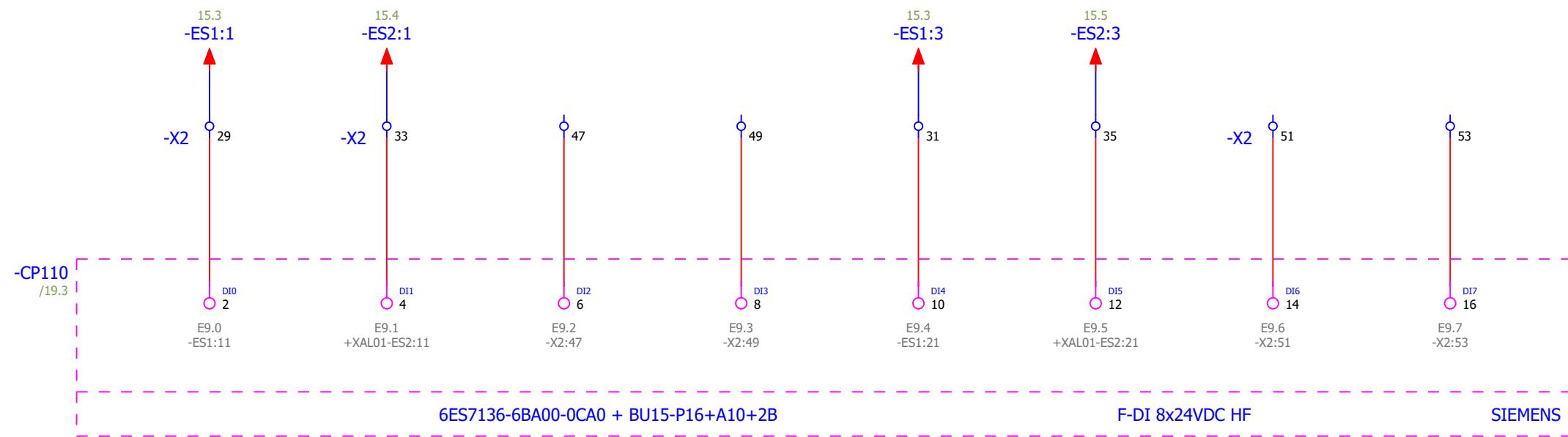
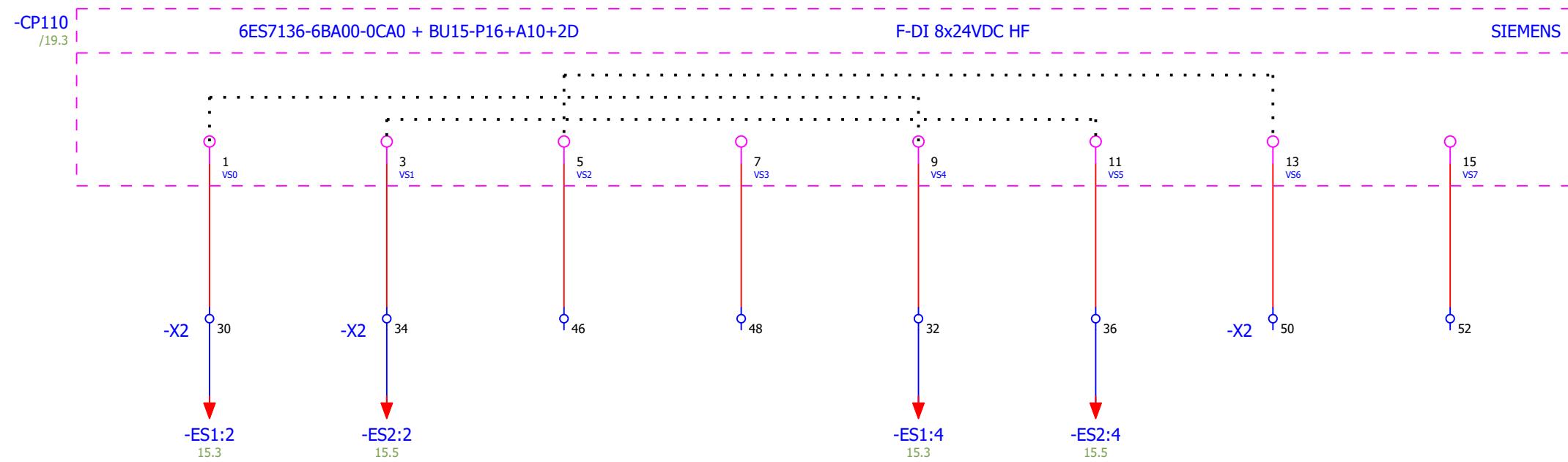
SIEMENS ET 200SP

P1 R PN P2 R PN

-CP110
6ES7136-6BA00-0CA0 + BU15-P16+A10+2D F-DI 8x24VDC HF

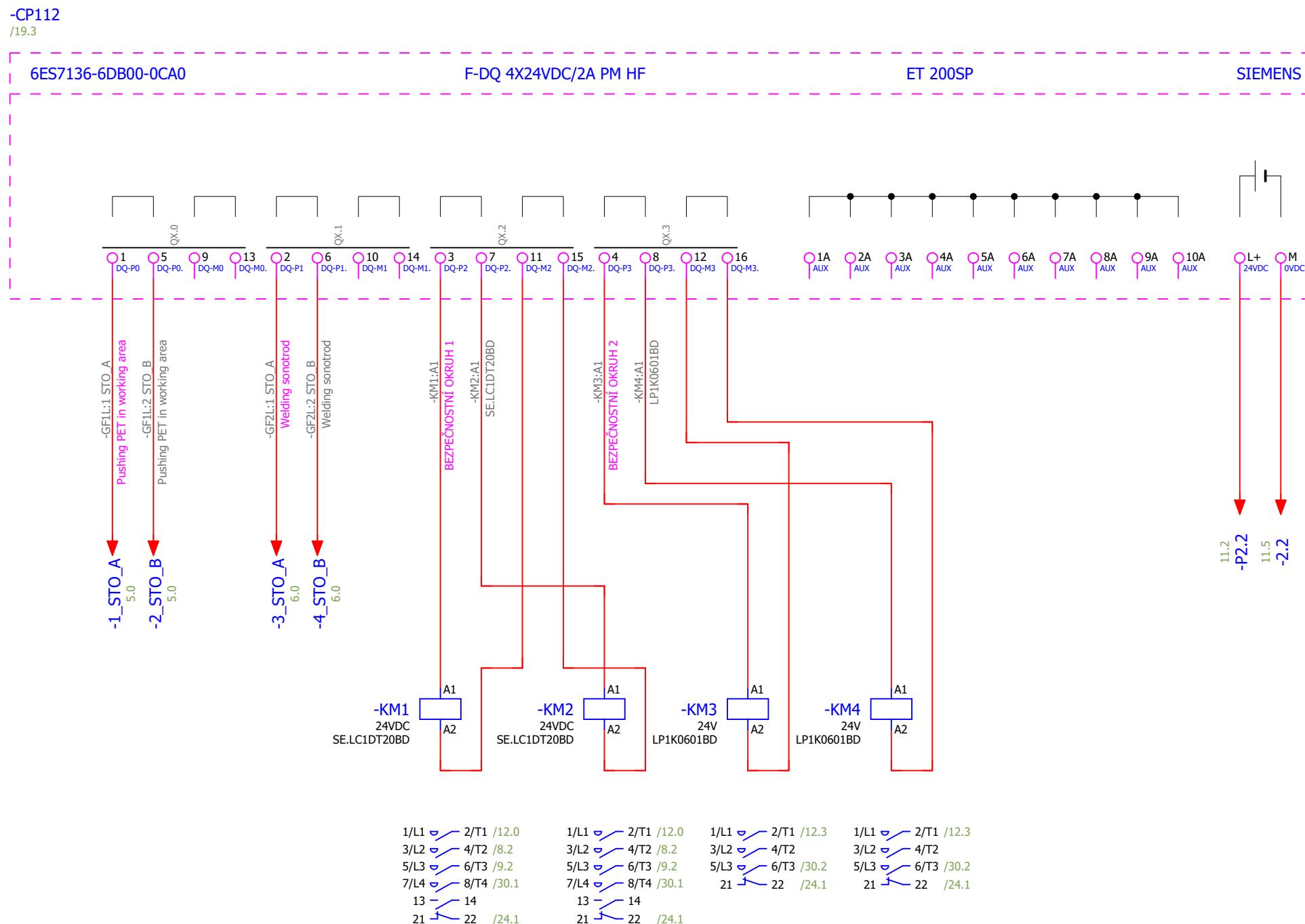
SIEMENS

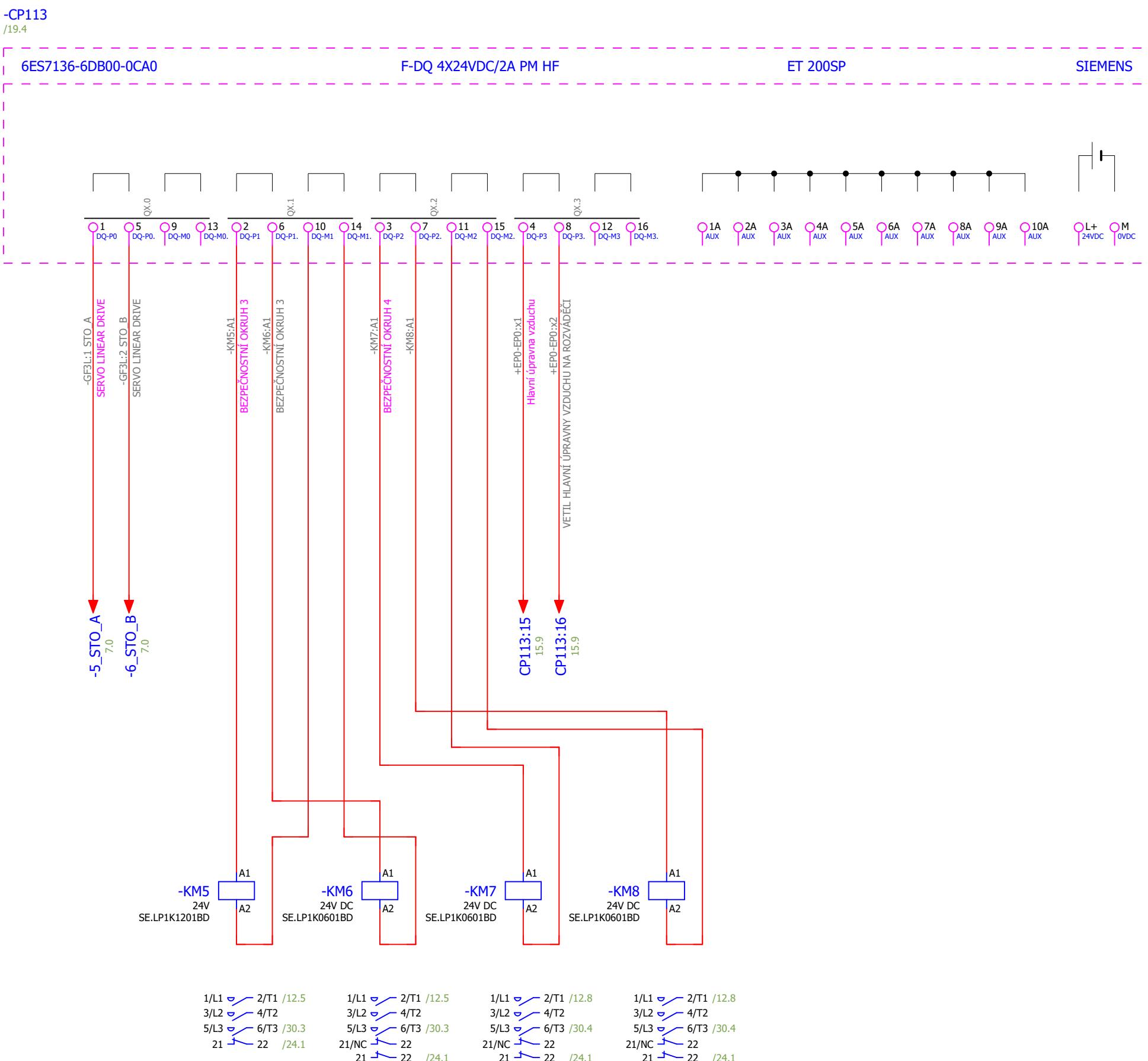
L+ 24VDC M 0VDC

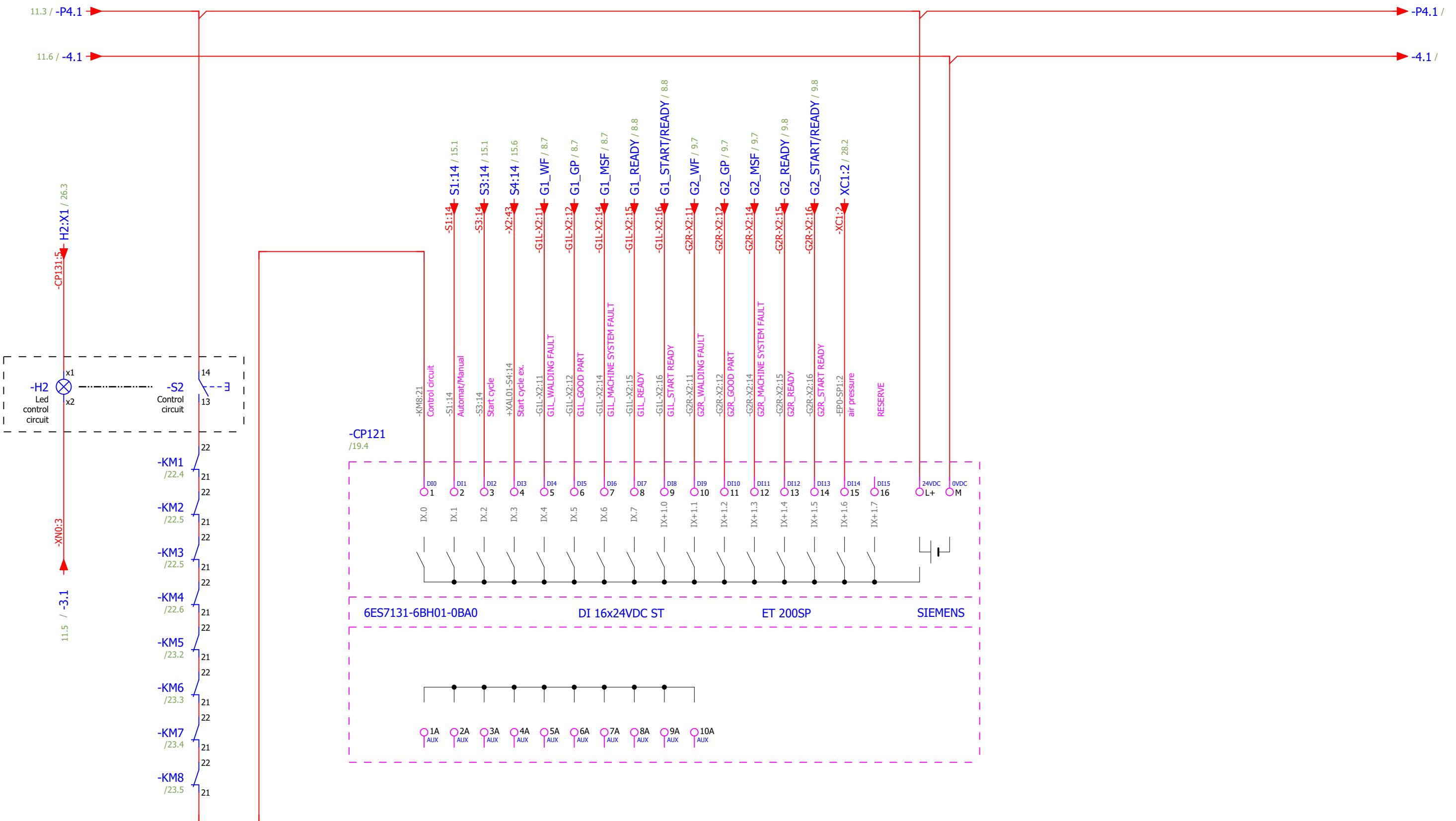


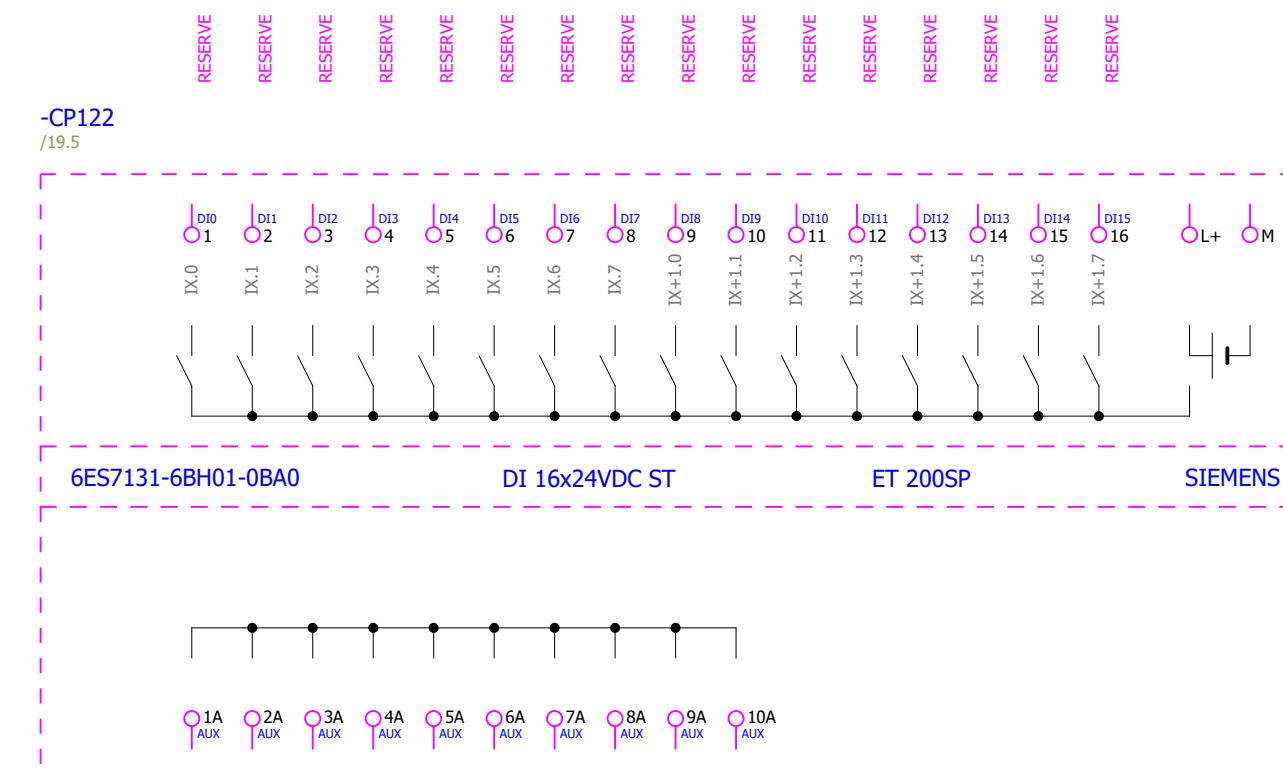
Emergency stop RM1

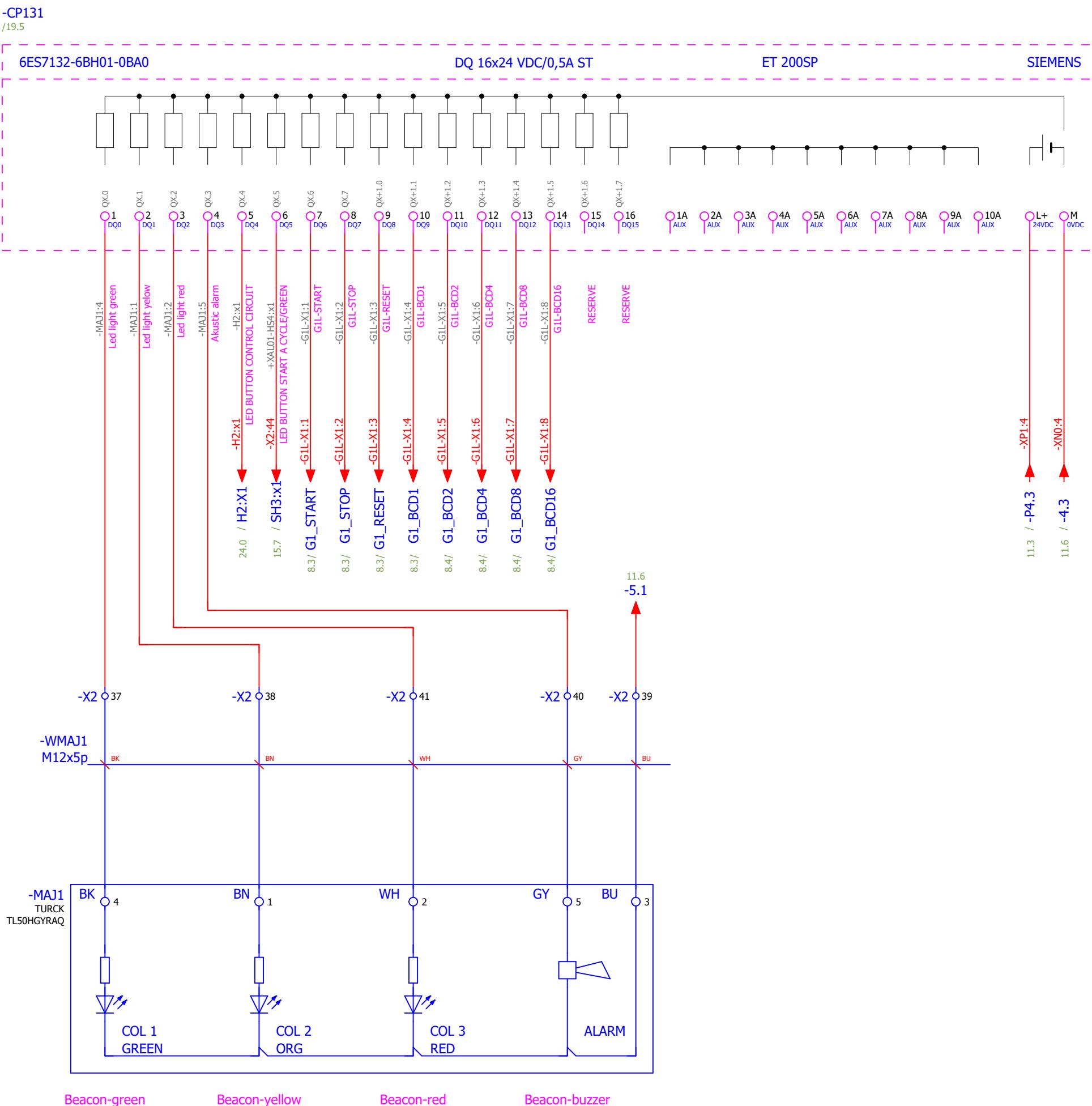
EMERGENCY stop











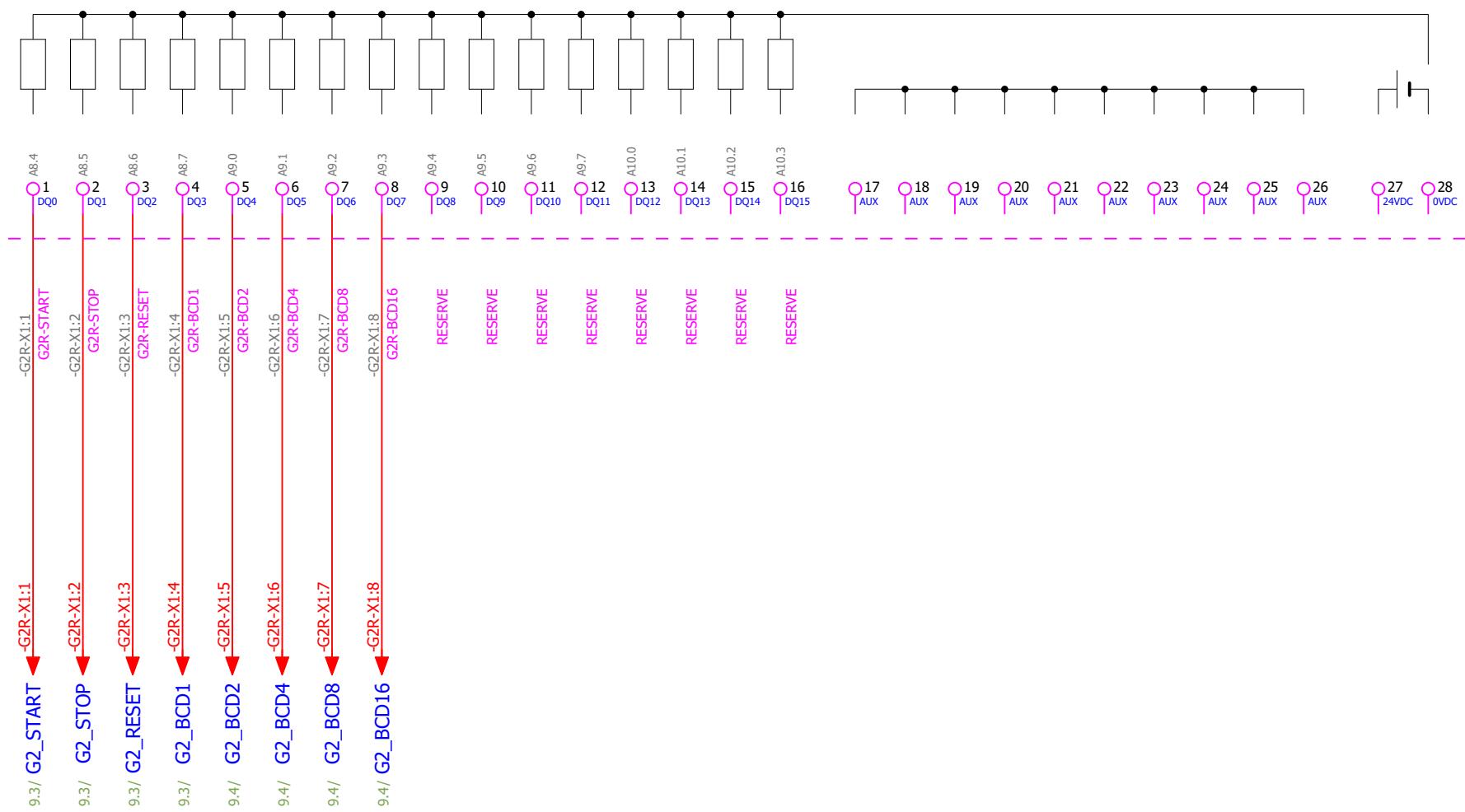
-CP132
/19.6

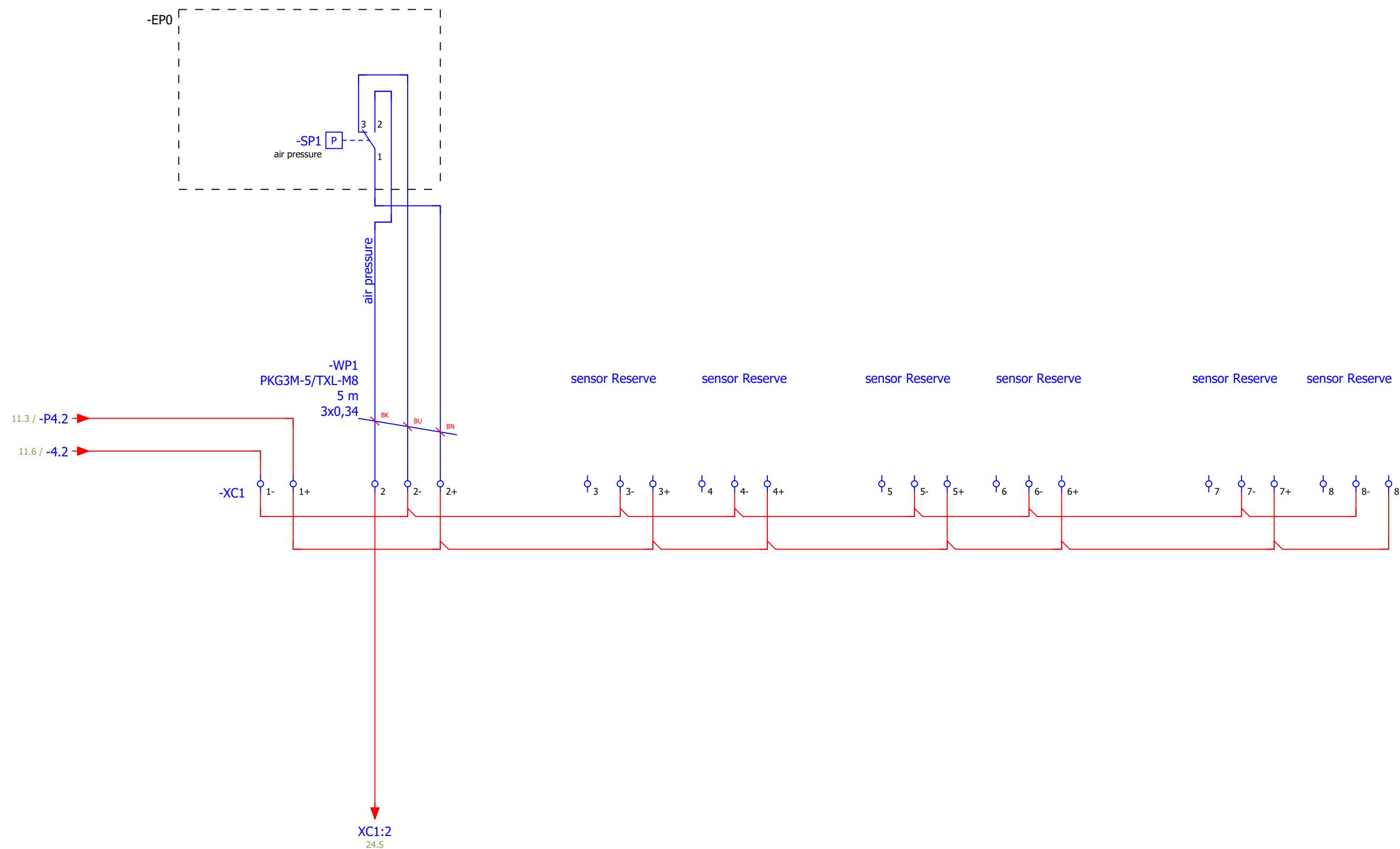
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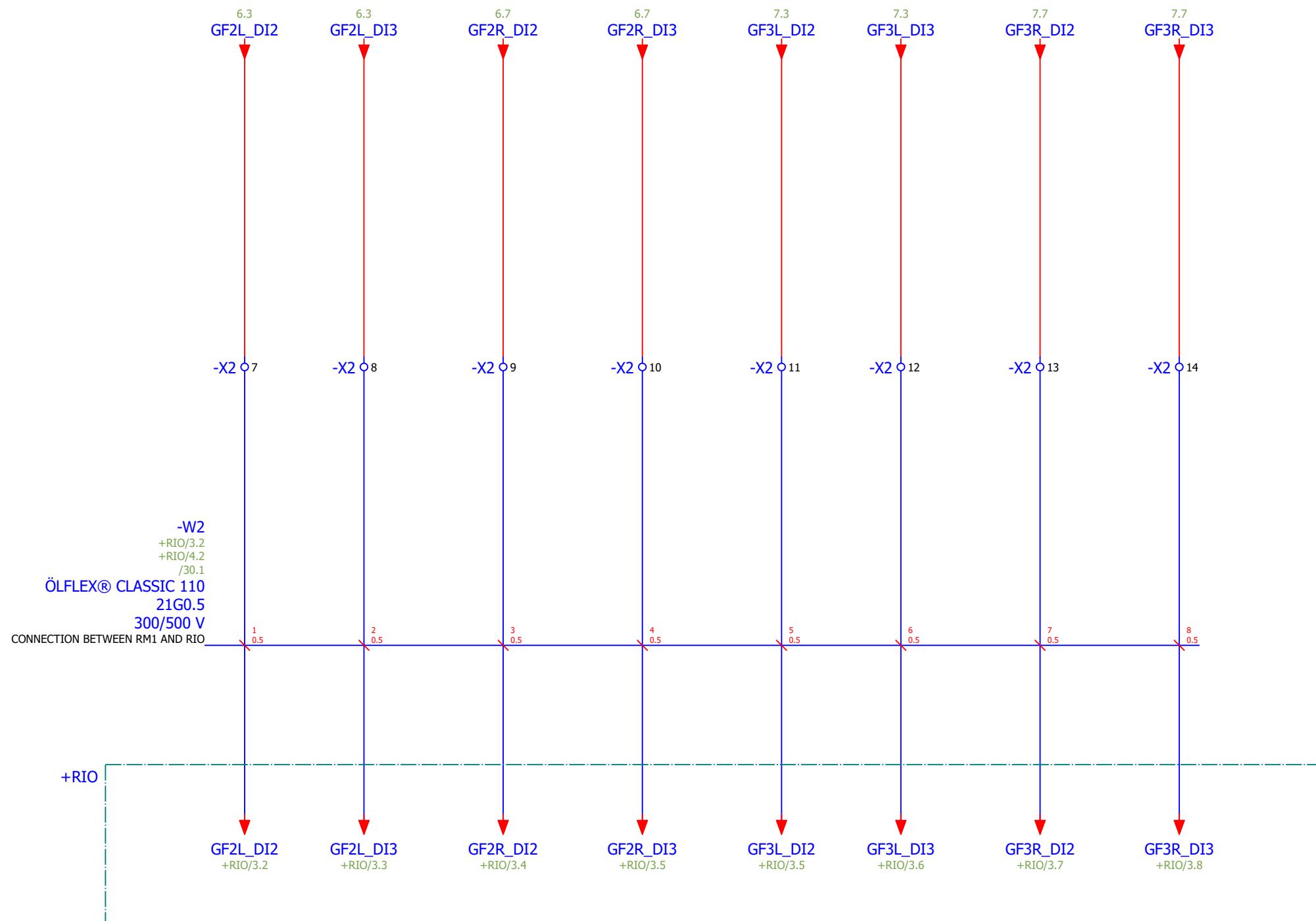
DQ 16x24 VDC/0,5A ST

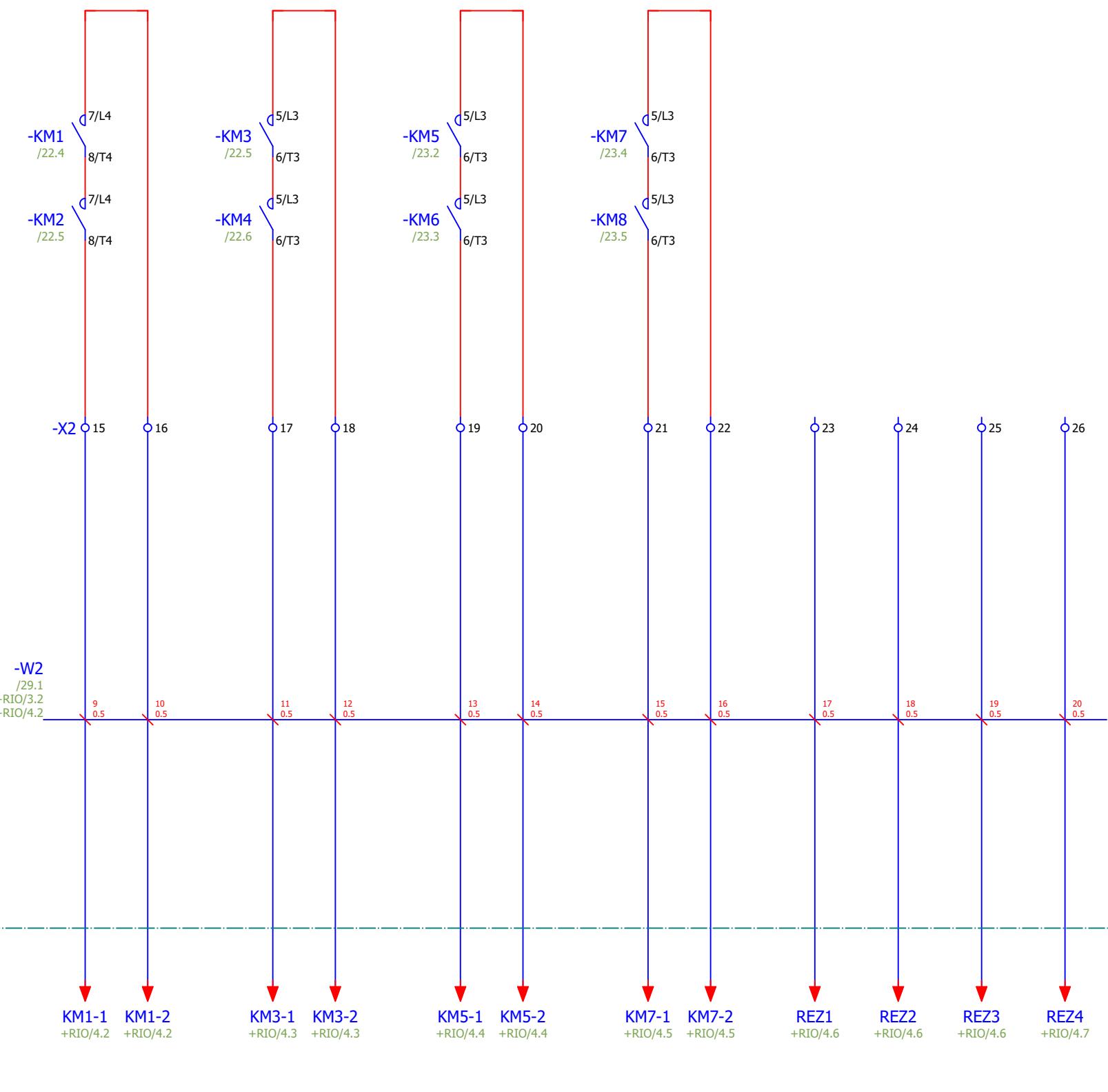
ET 200SP

SIEMENS









+RIO
VZDÁLENÉ VSTUPY VÝSTUPY

N20-1024

+RIO

REMOTE INPUTS OUTPUTS

AX.1060000, 600x600x210 mm

► RIO =DOK+DOK/2.8

I:_eplan\Projekty\DAVID\N20-1024.elk

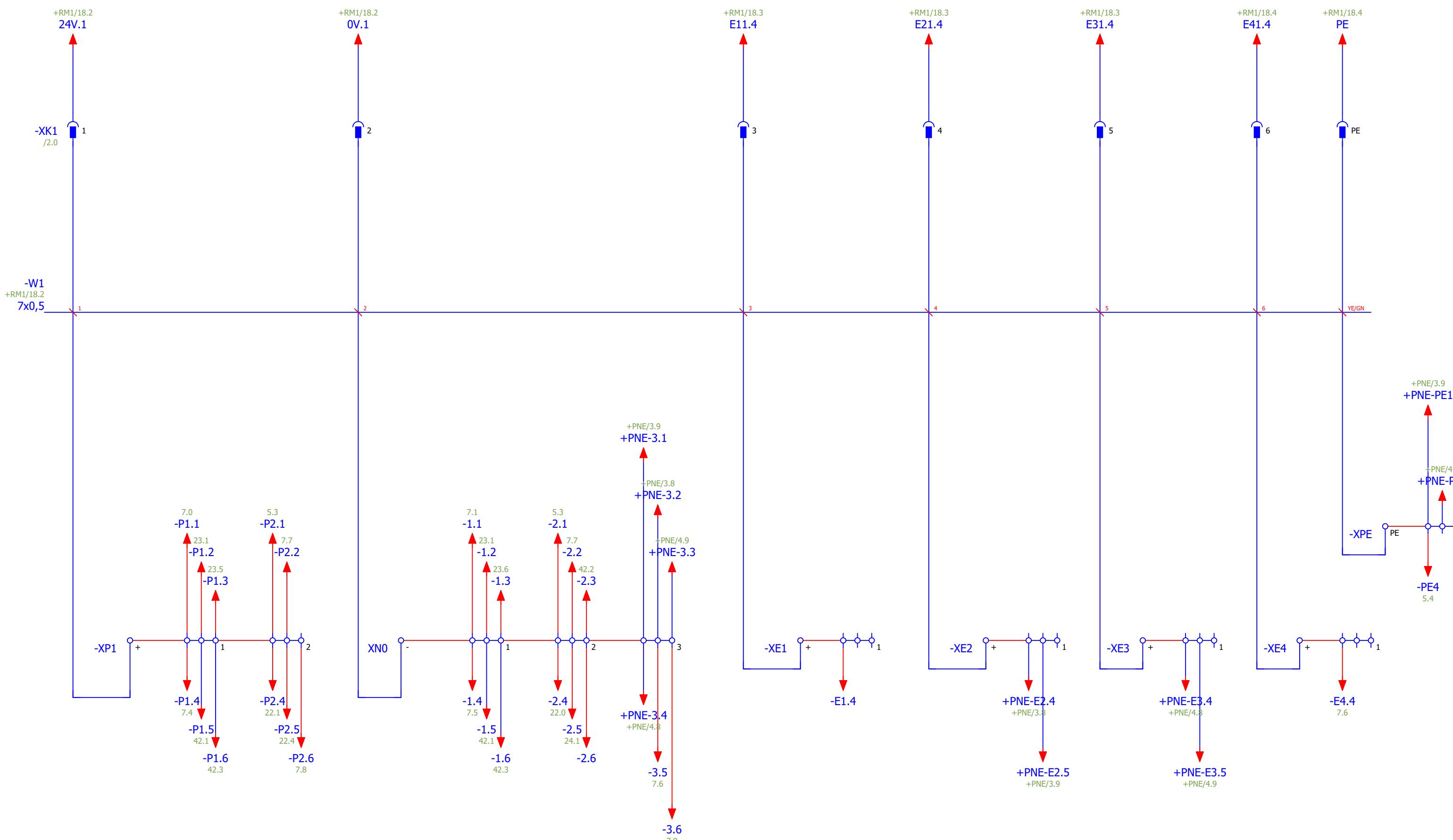


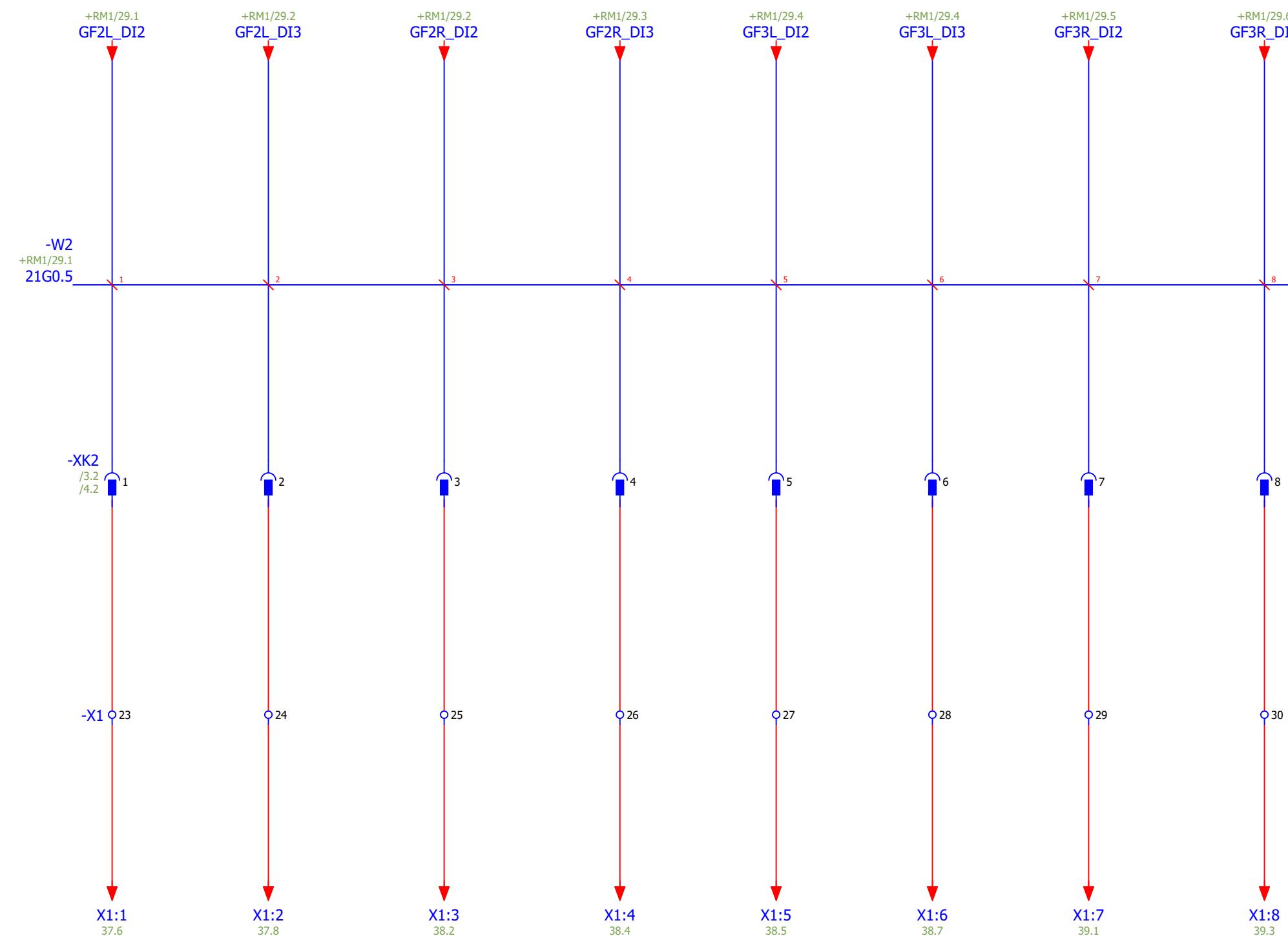
BK Technic s.r.o.
Zámecká 63
463 43 Český Dub
www.bk-technic.cz
info@bk-technic.cz

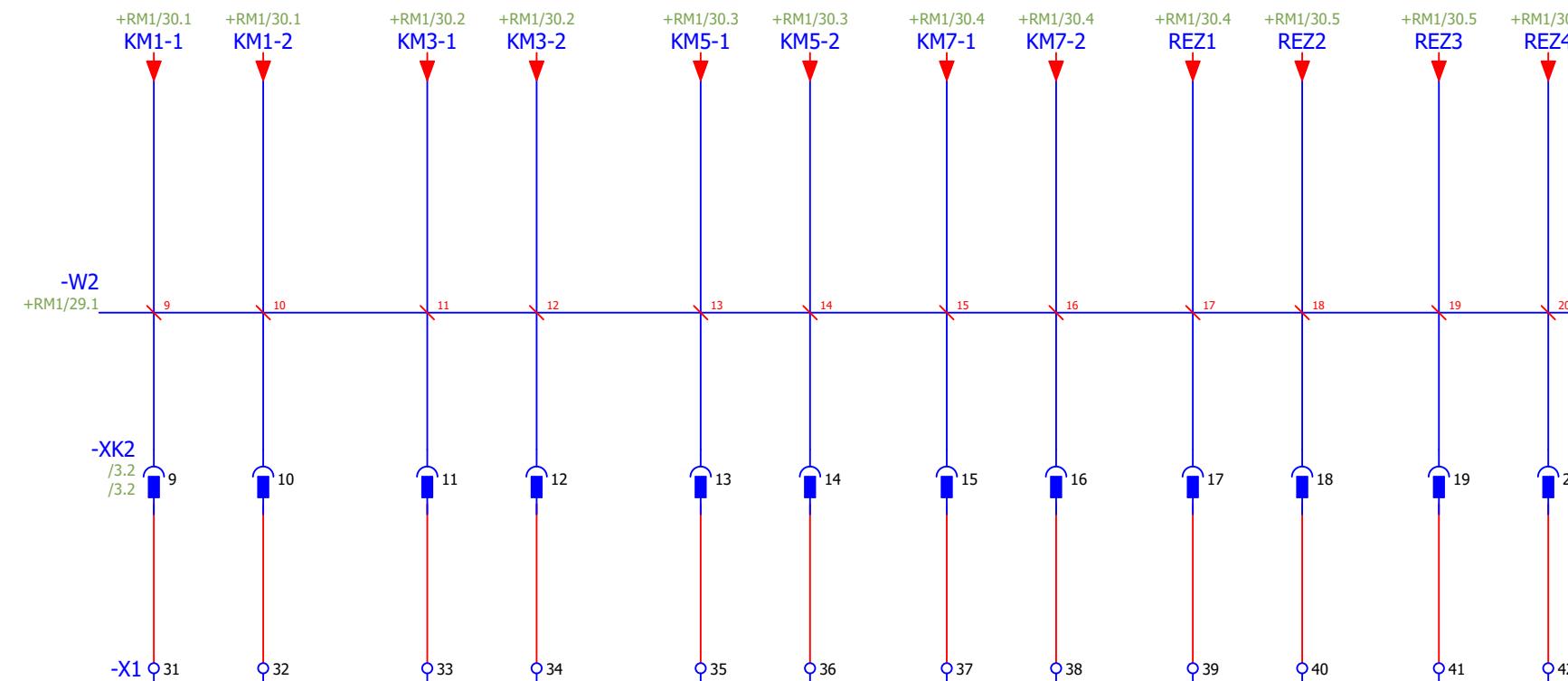
Typ:	+RIO	In:	6A
Výrobek:	BK-RIO-N20-1024	Imax:	6A
Soustava:	PELV	f:	---
Výrobní číslo:	007/21	Un:	24V DC
Kusová zkouška:	KZ-007/21	Uovl:	24V DC
Datum:	20. 1.2021		
Výkres č.:	N20-1024		
Zkratový proud:	10 kA		
IP:	54/20	ČSN EN 60529	
Napojeno z:	+RM1		



ČSN EN 60204-1 ed.3, 02/2019



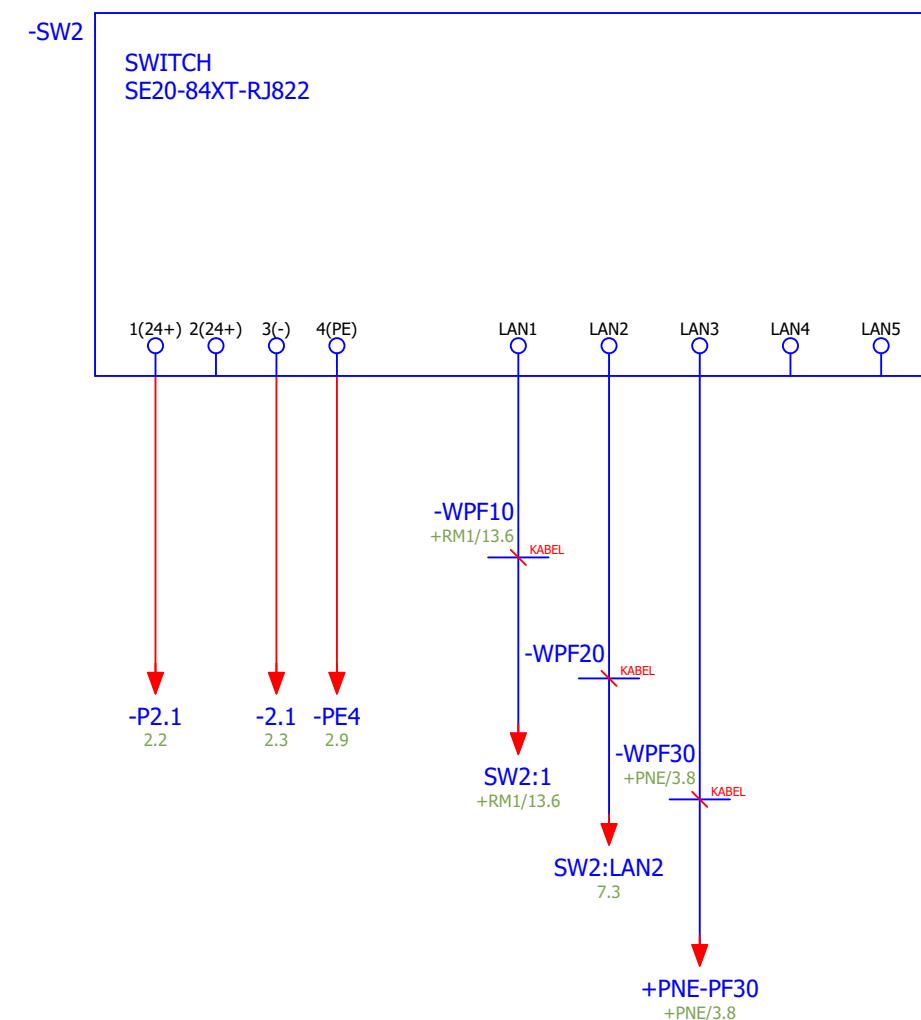


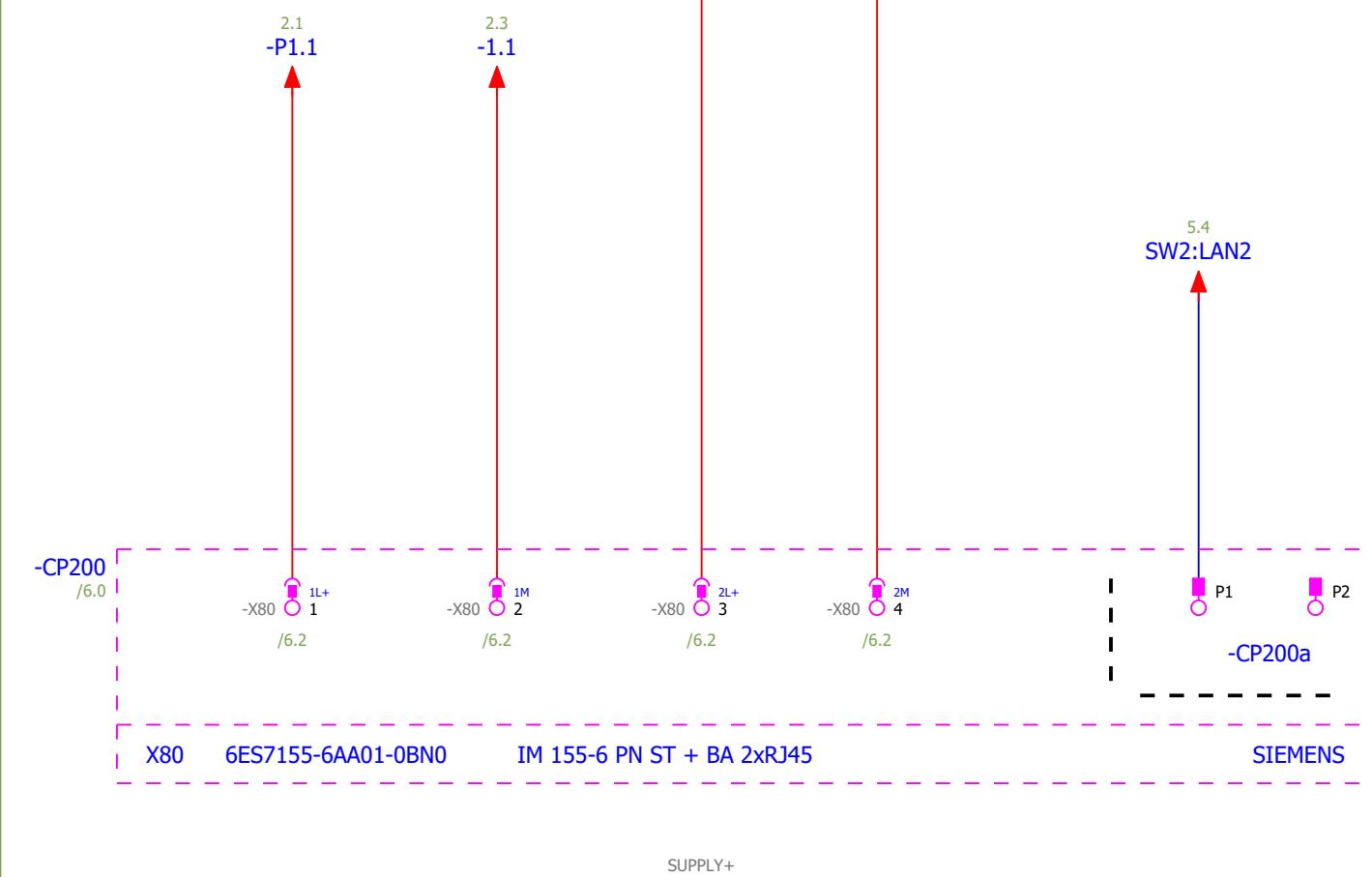
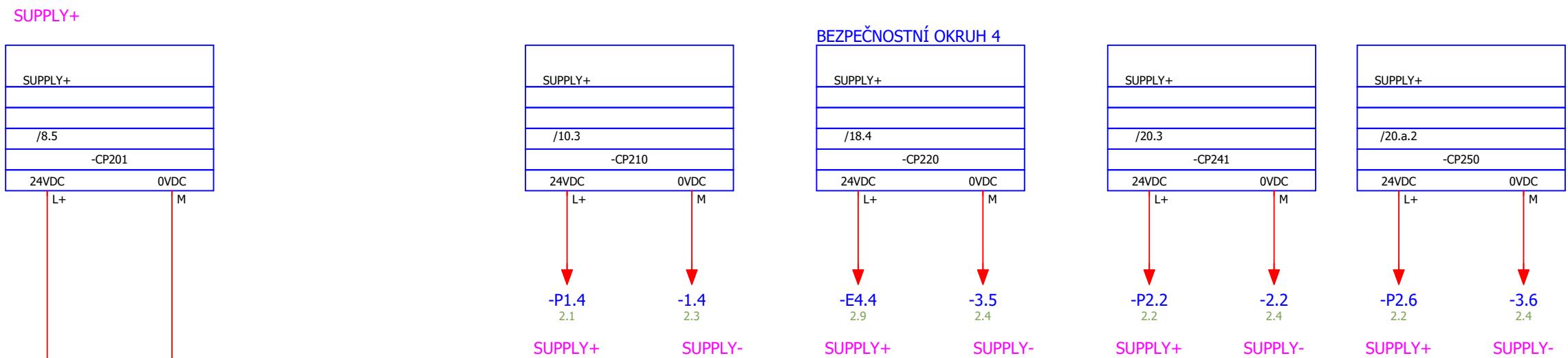


CONNECTION BETWEEN RM1 AND RIO

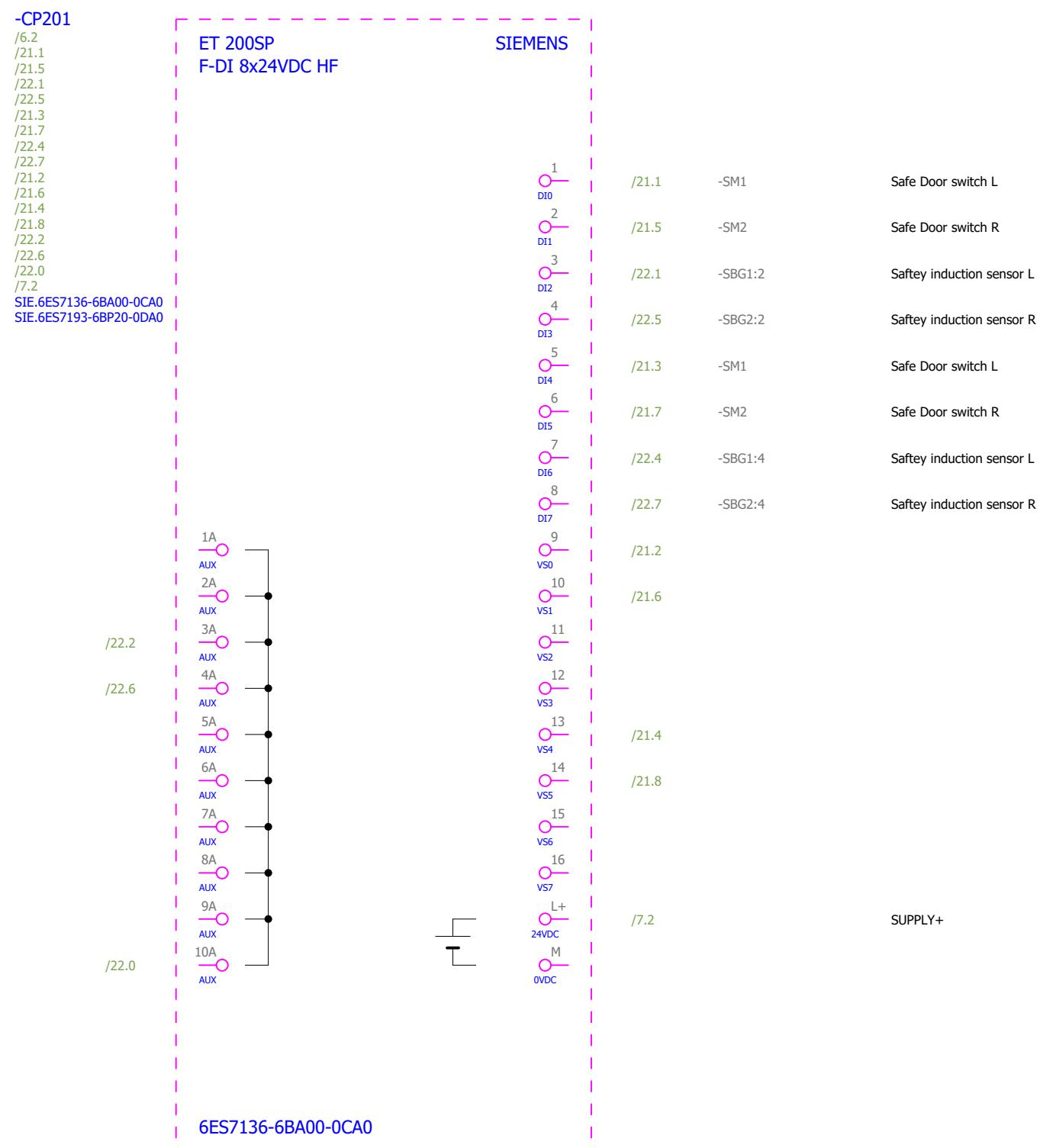
EMERGENCY STOP3

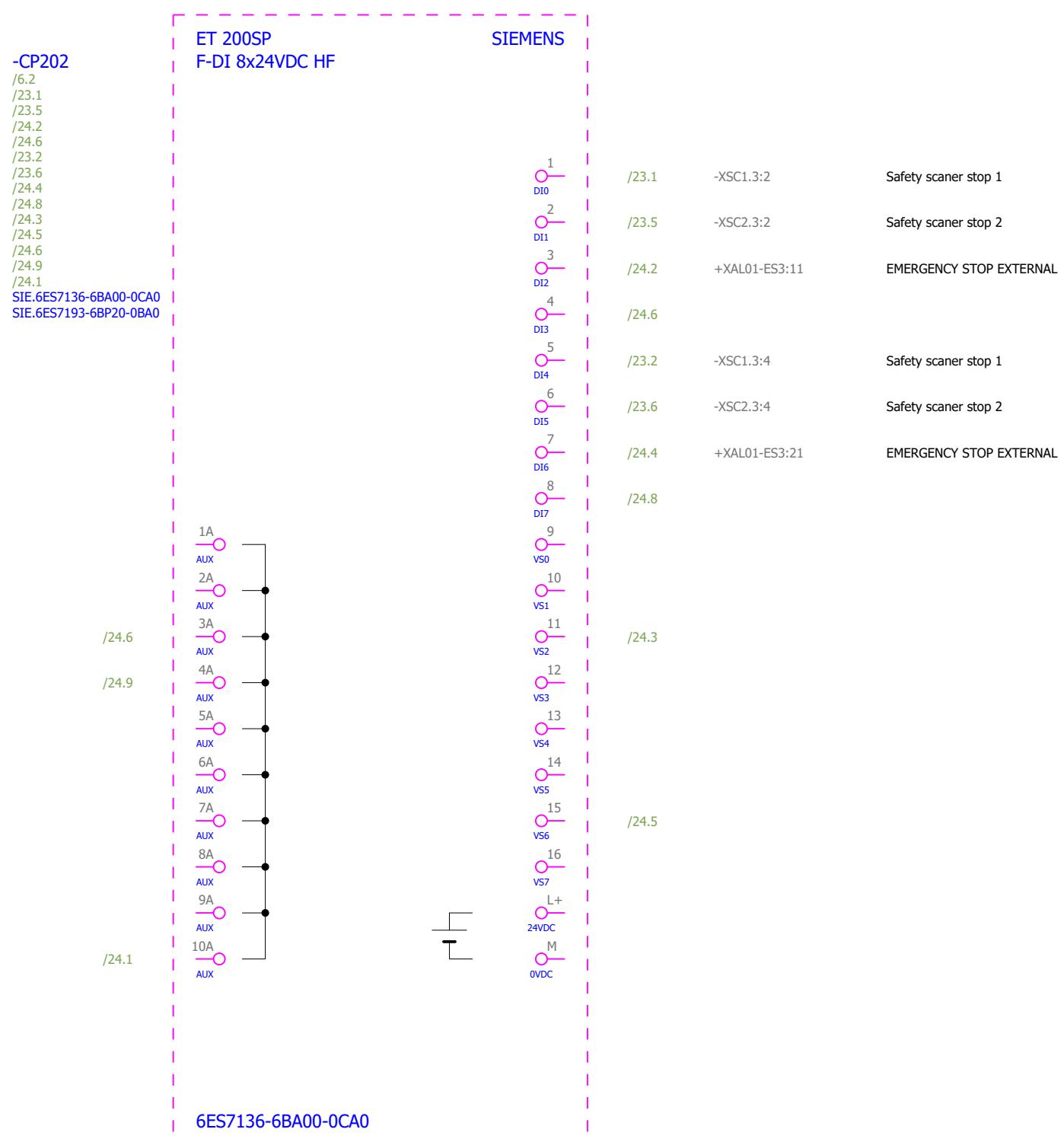
EMERGENCY STOP4



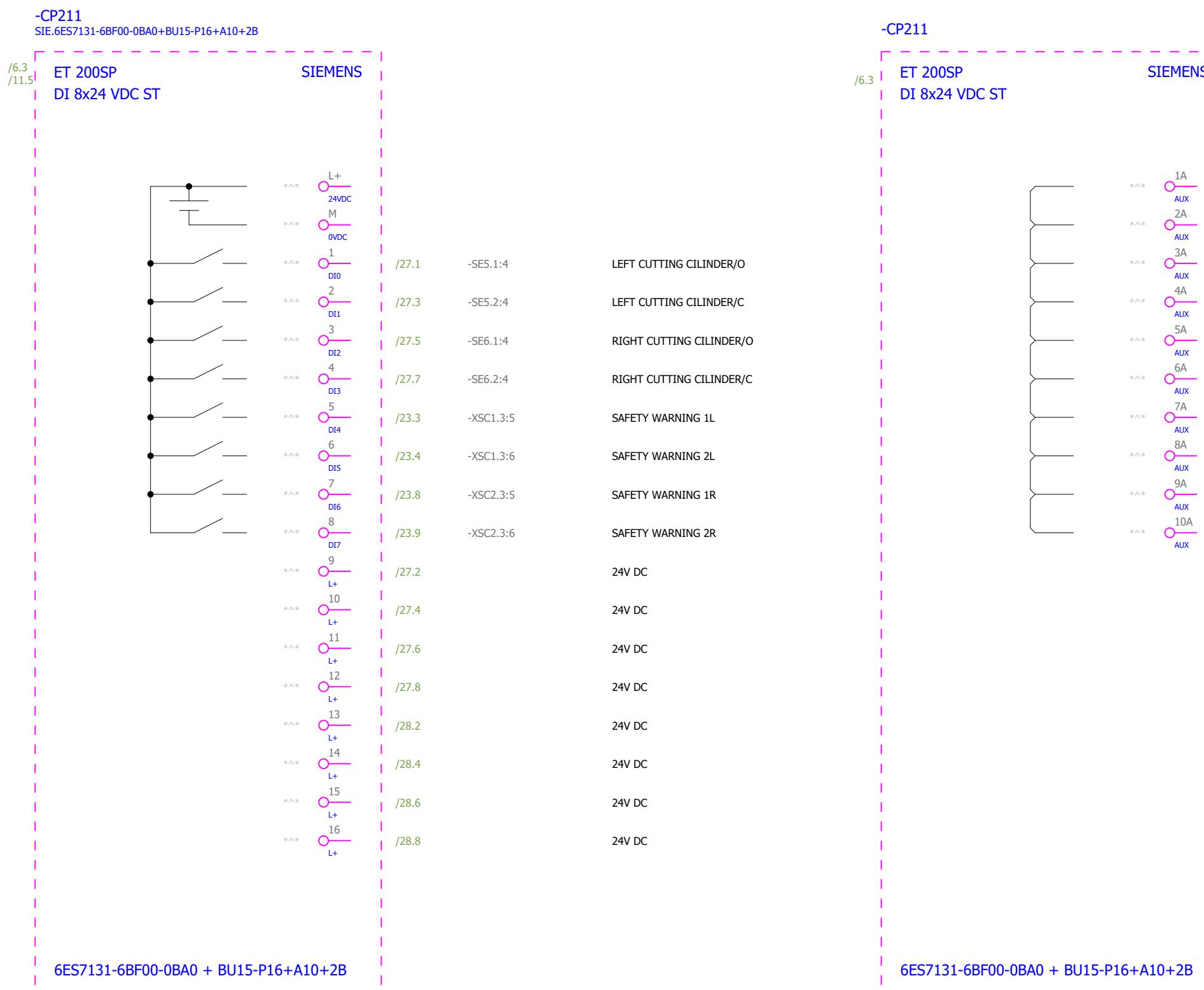


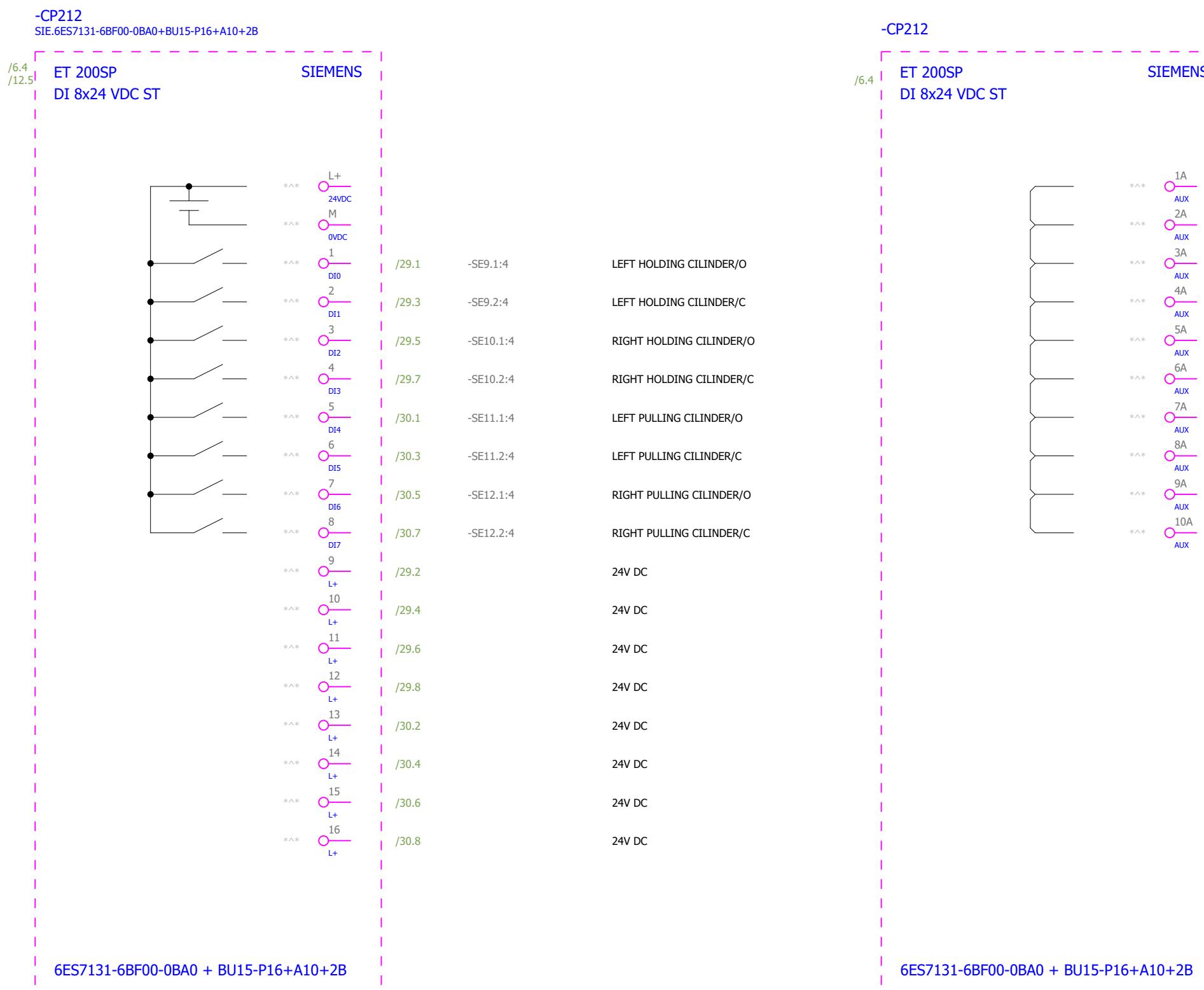
SUPPLY+







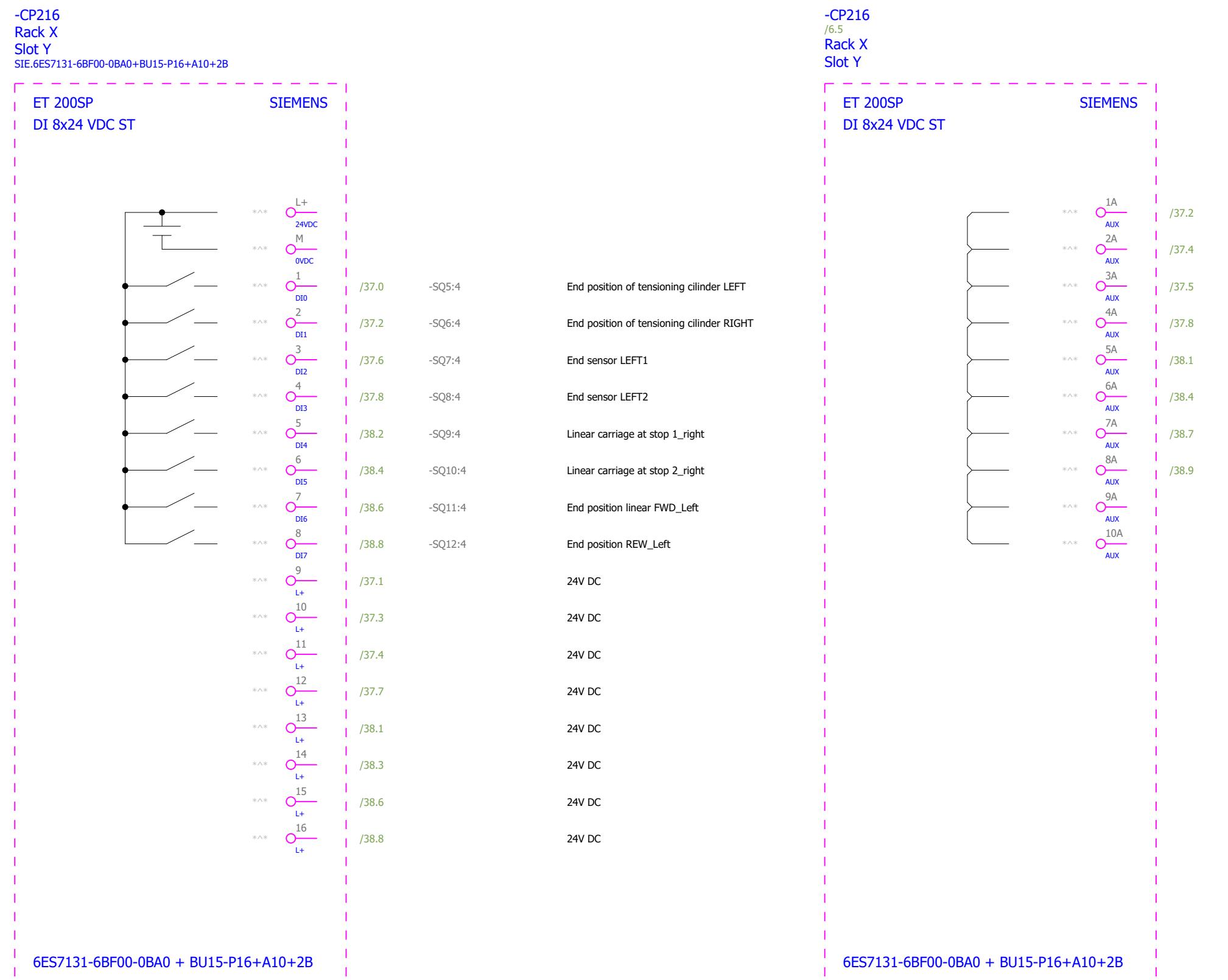




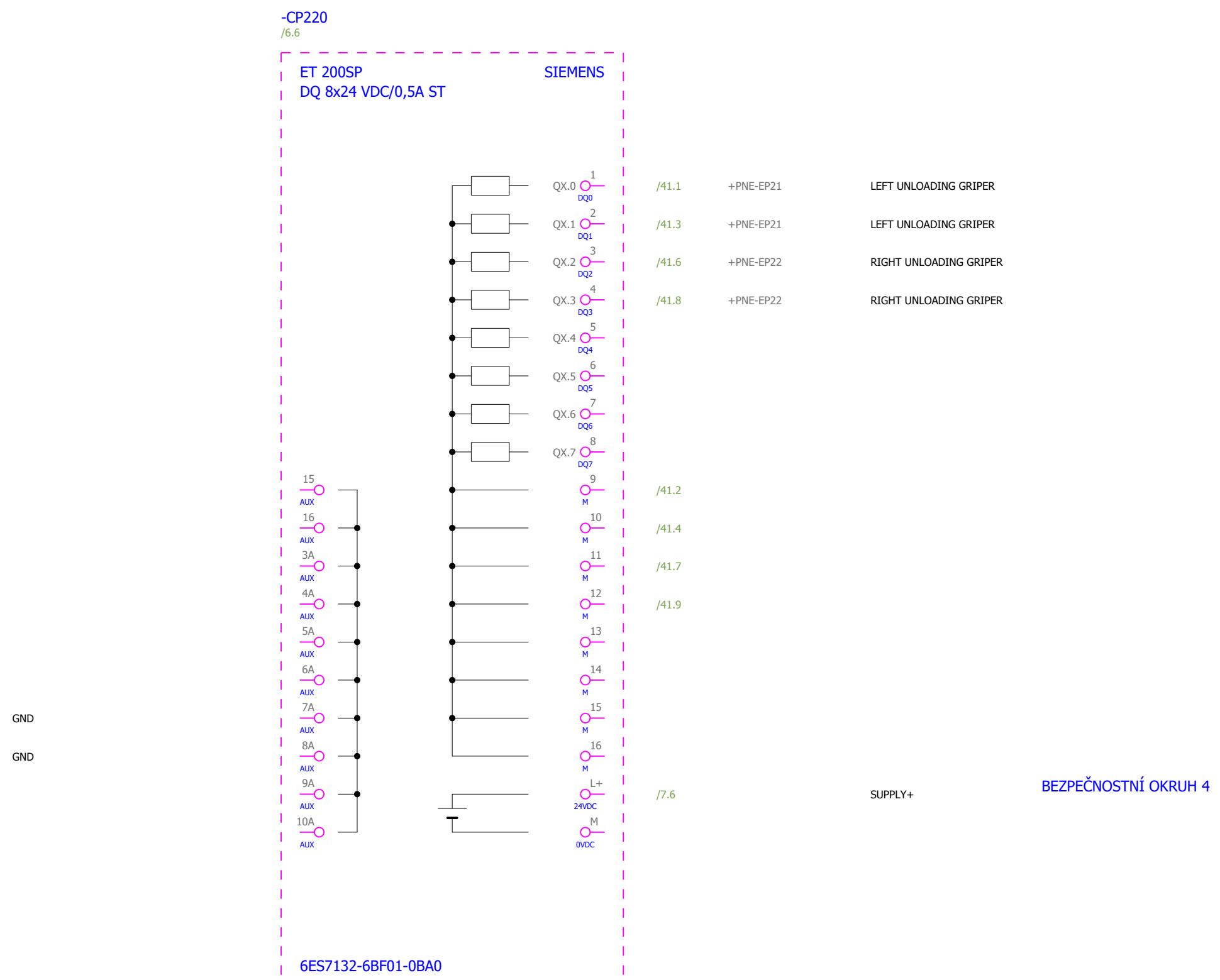




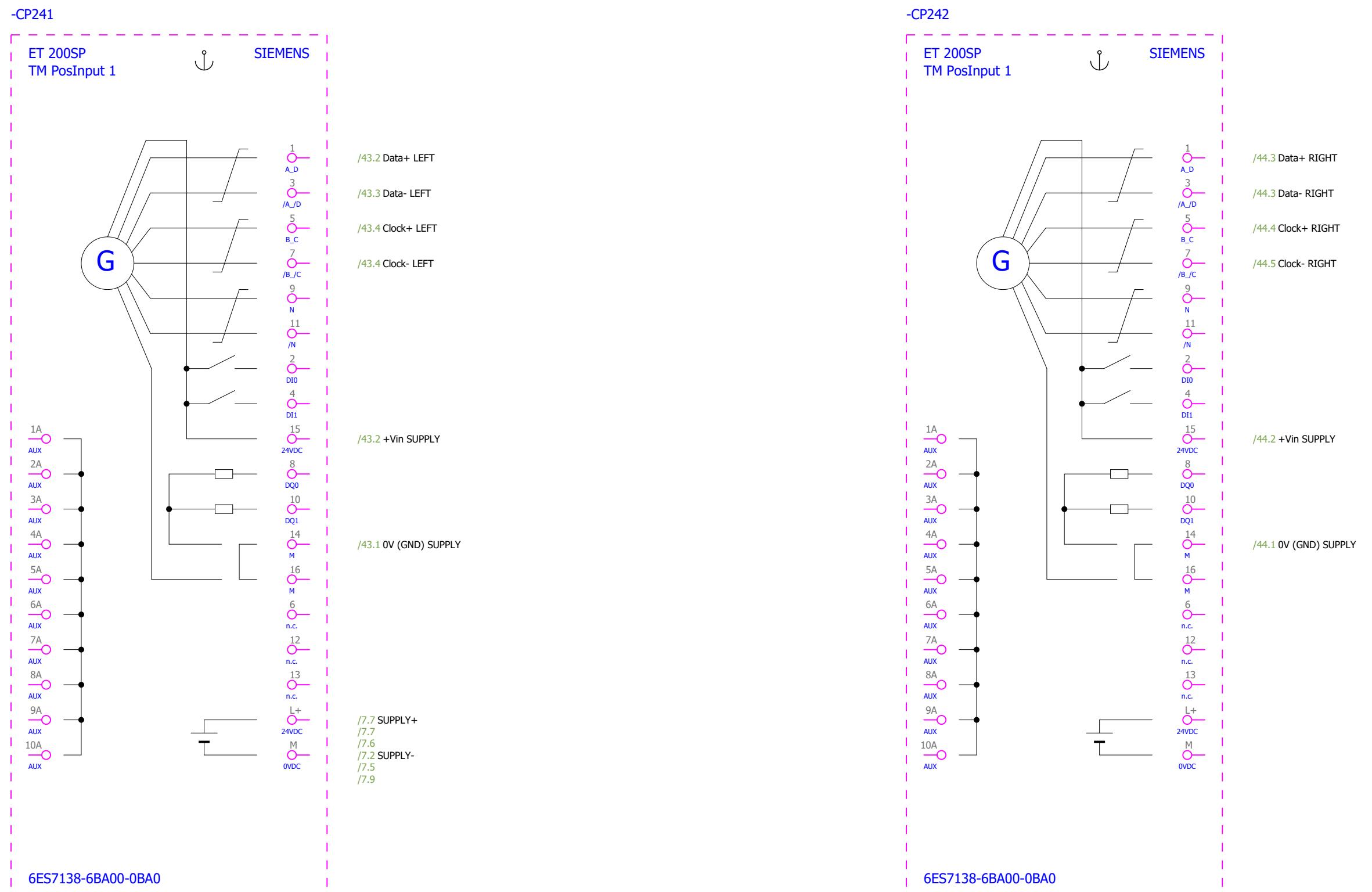




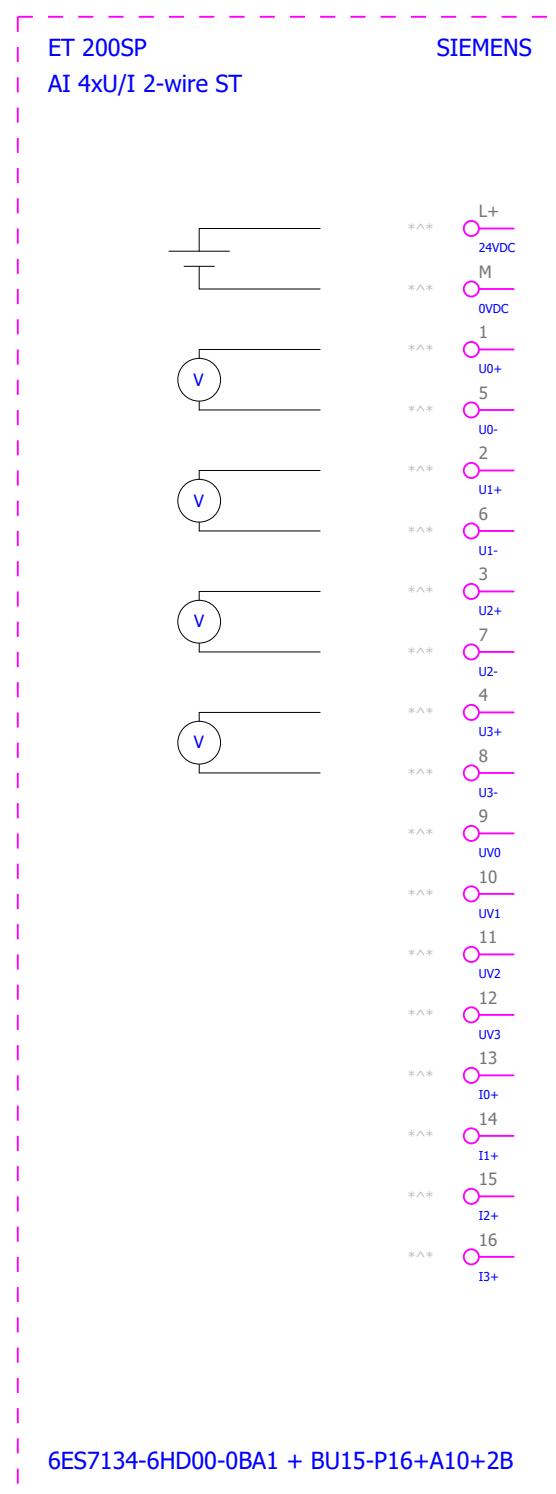




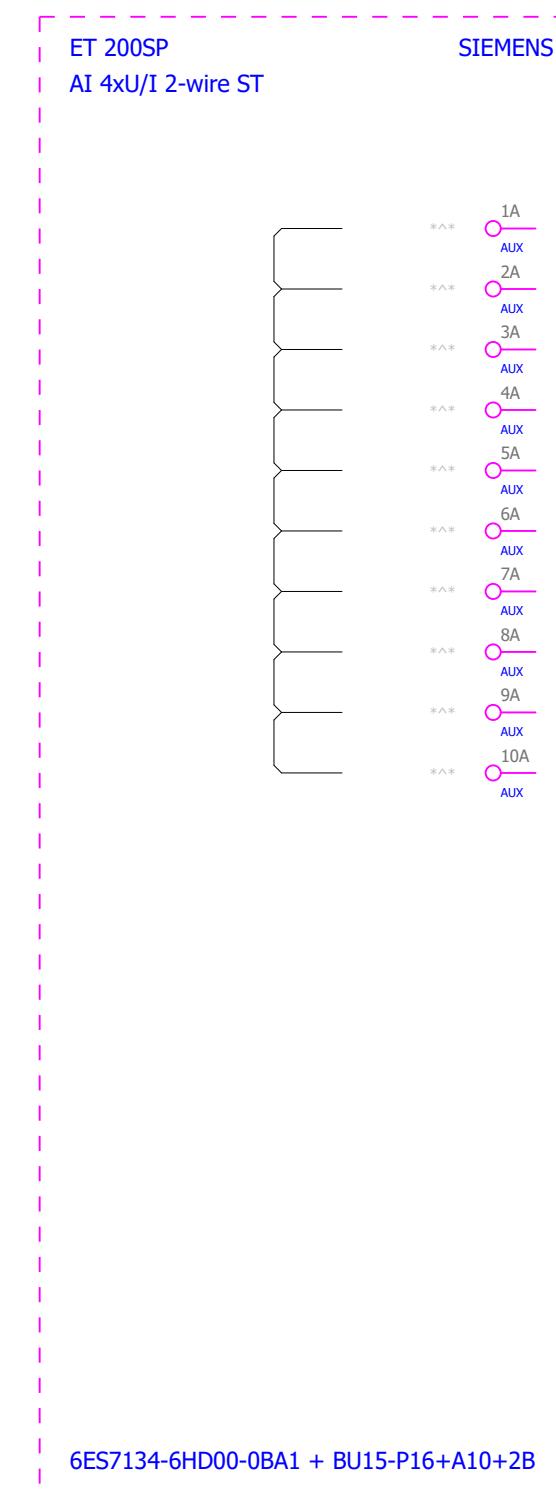


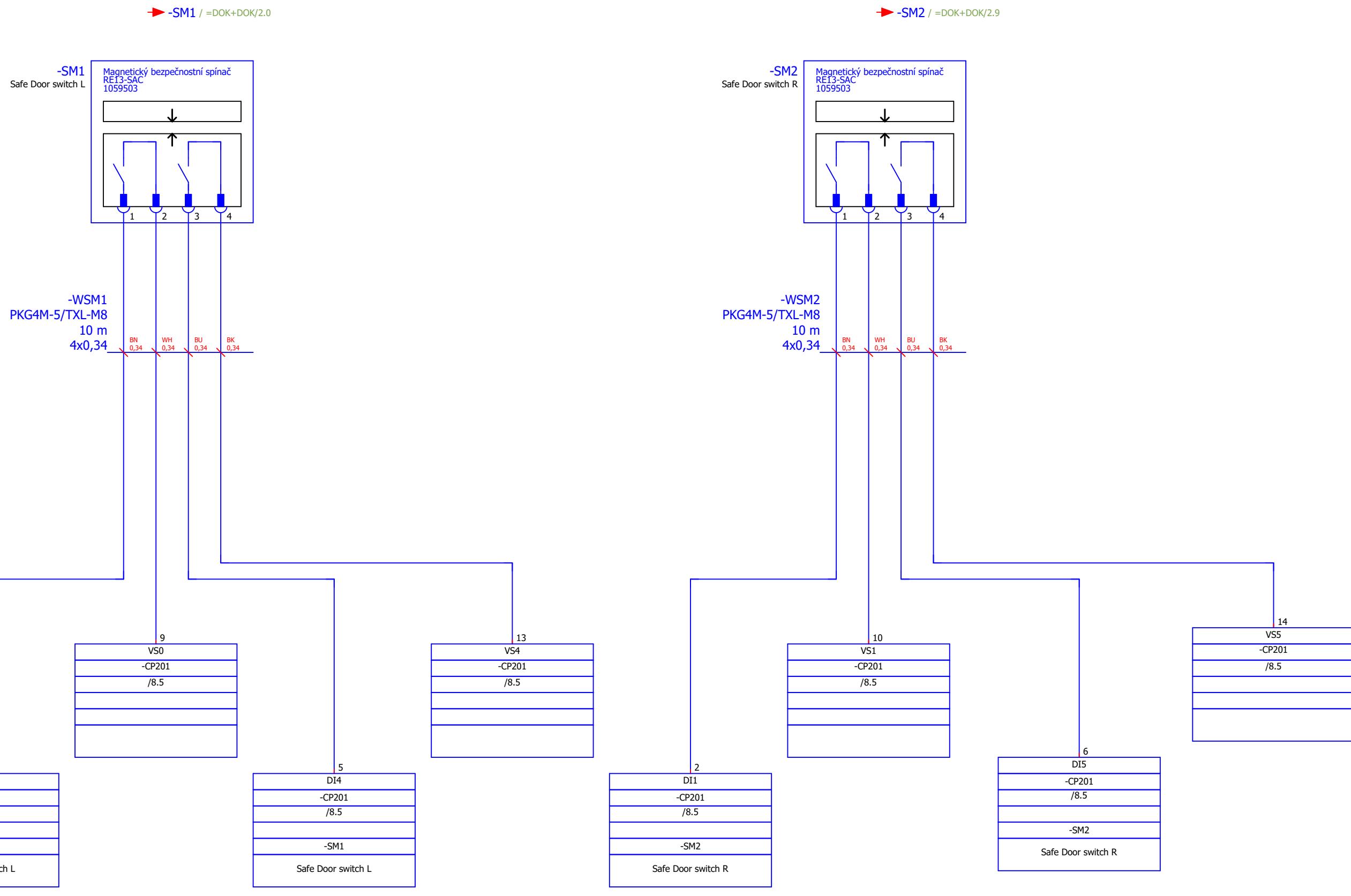


-CP250
Rack X
Slot Y
SIE.6ES7134-6HD00-0BA1+BU15-P16+A10+2B



-CP250
/6.7
Rack X
Slot Y





Safe Door switch L1

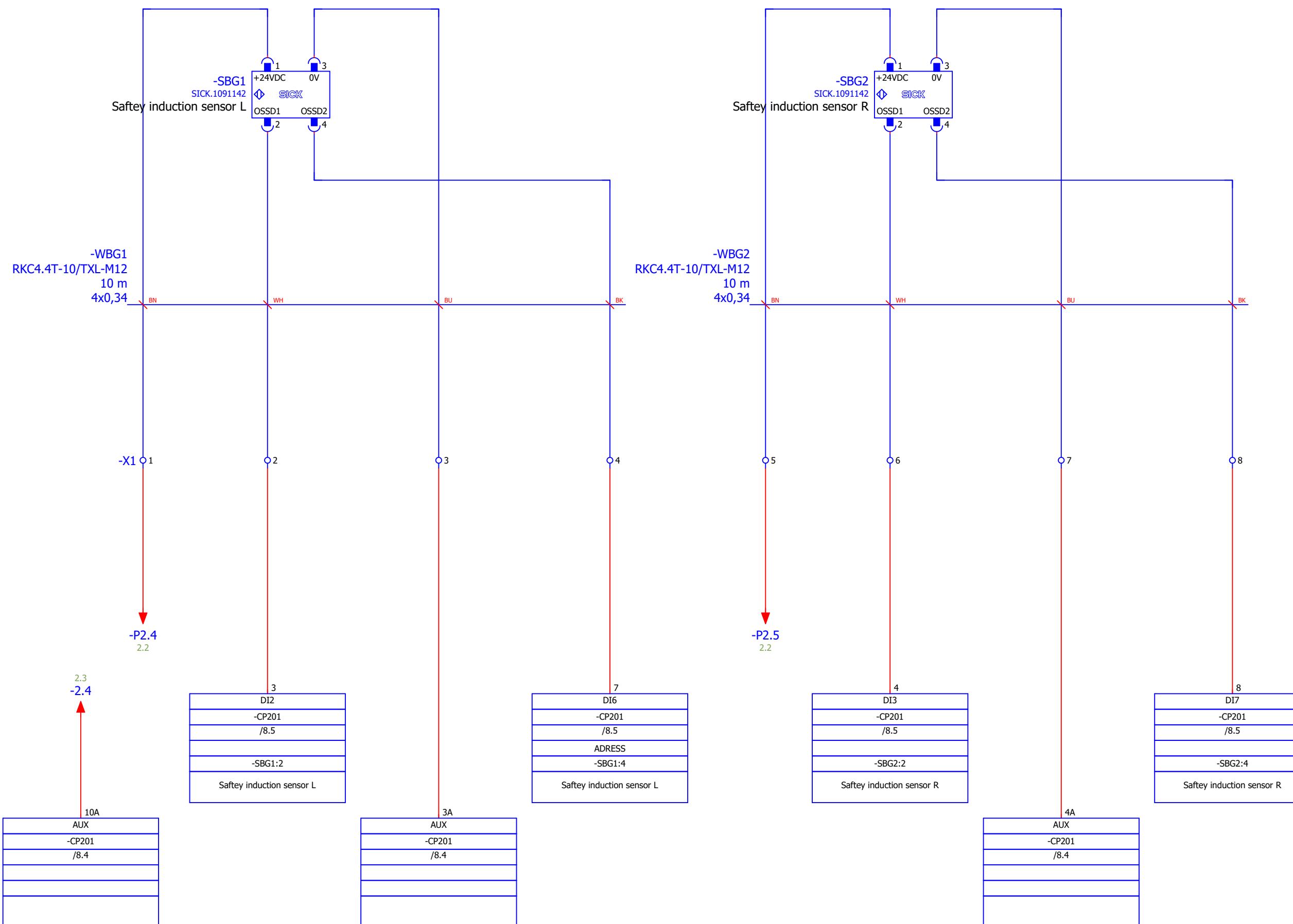
Safe Door switch L2

Safe Door switch R1

Safe Door switch R2

→ -SBG1 / =DOK+DOK/2.0

→ -SBG2 / =DOK+DOK/2.9

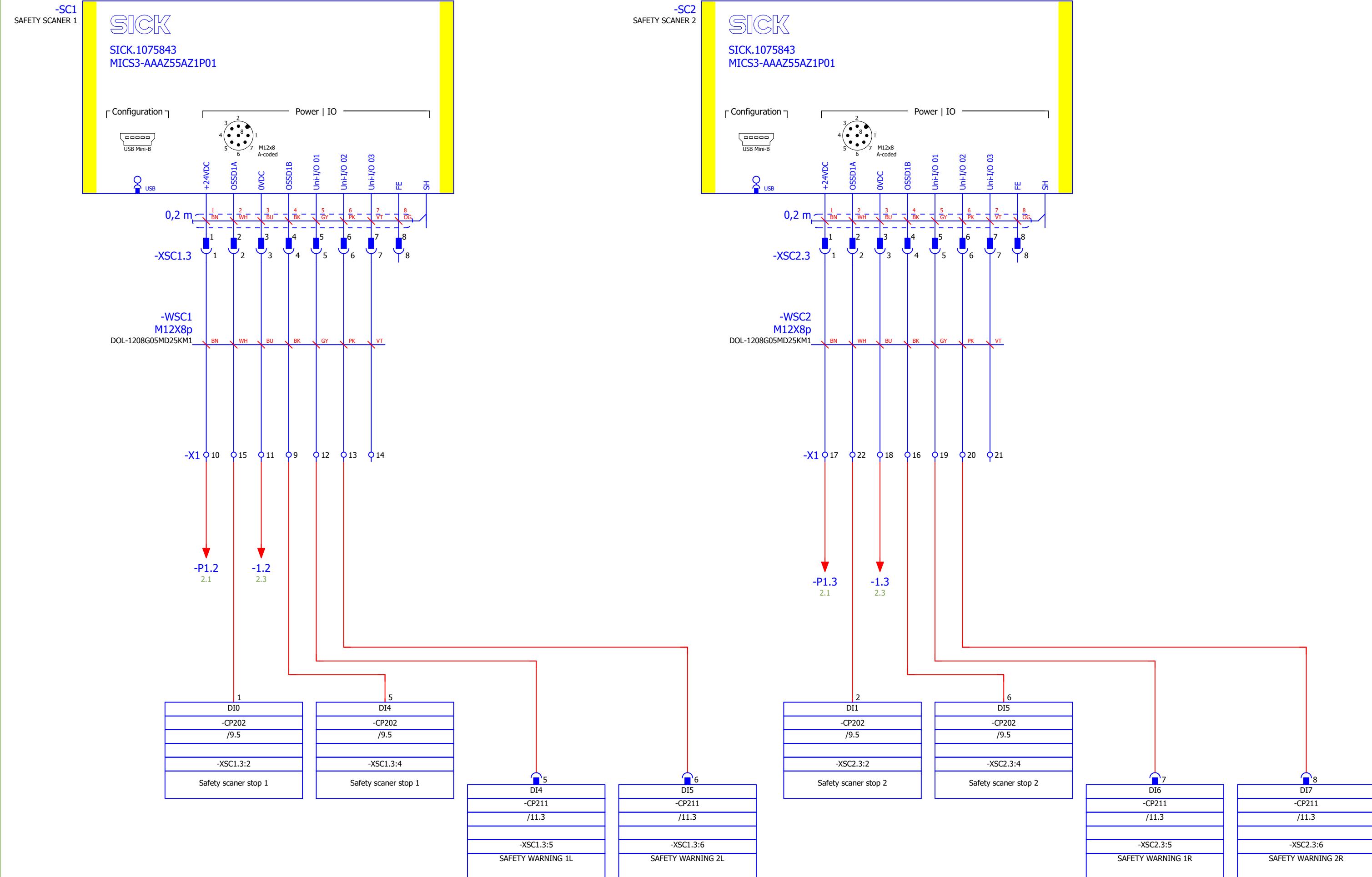


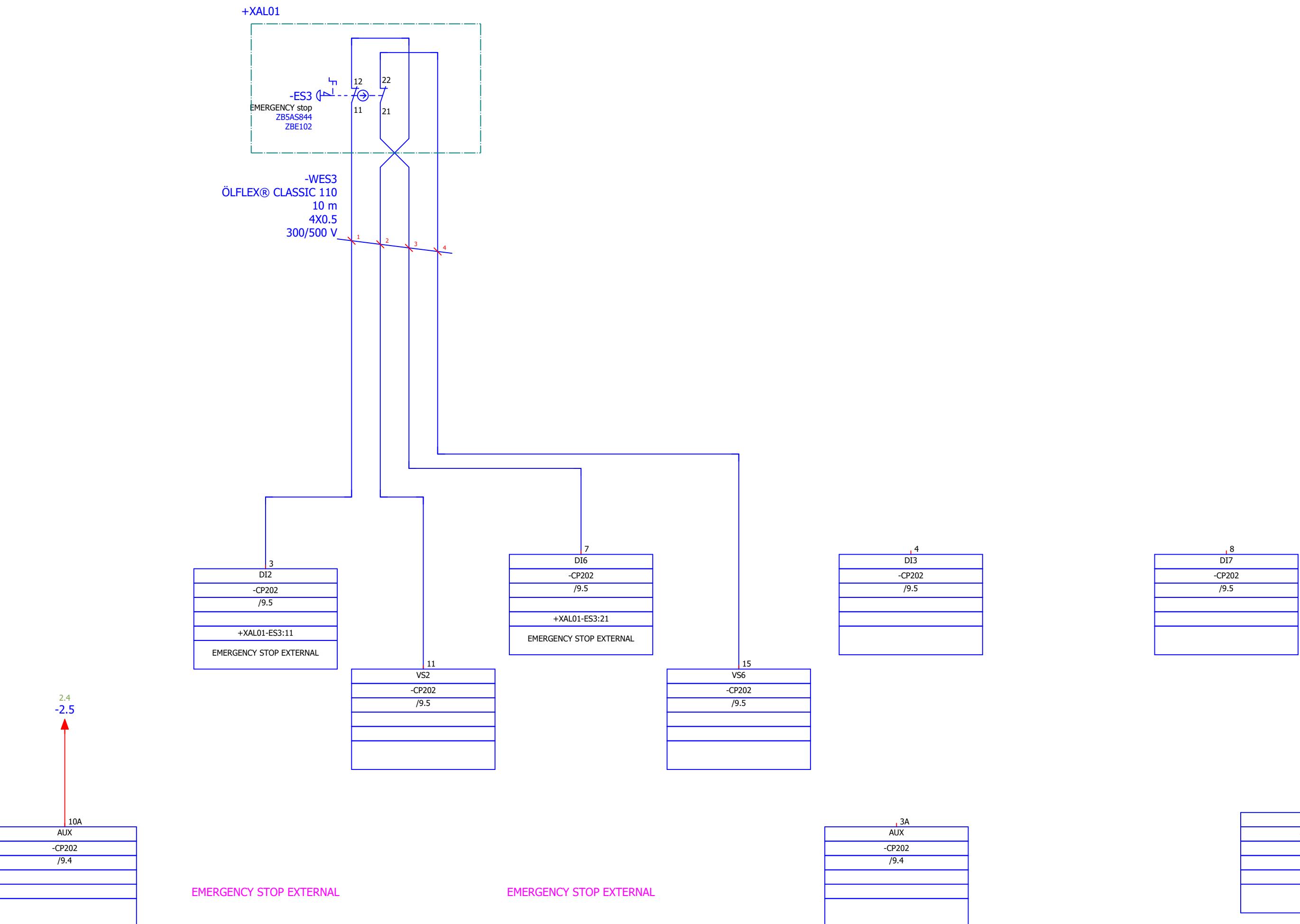
Safety induction sensor L

Safety induction sensor R

→ -SC1 / =DOK+DOK/2.0

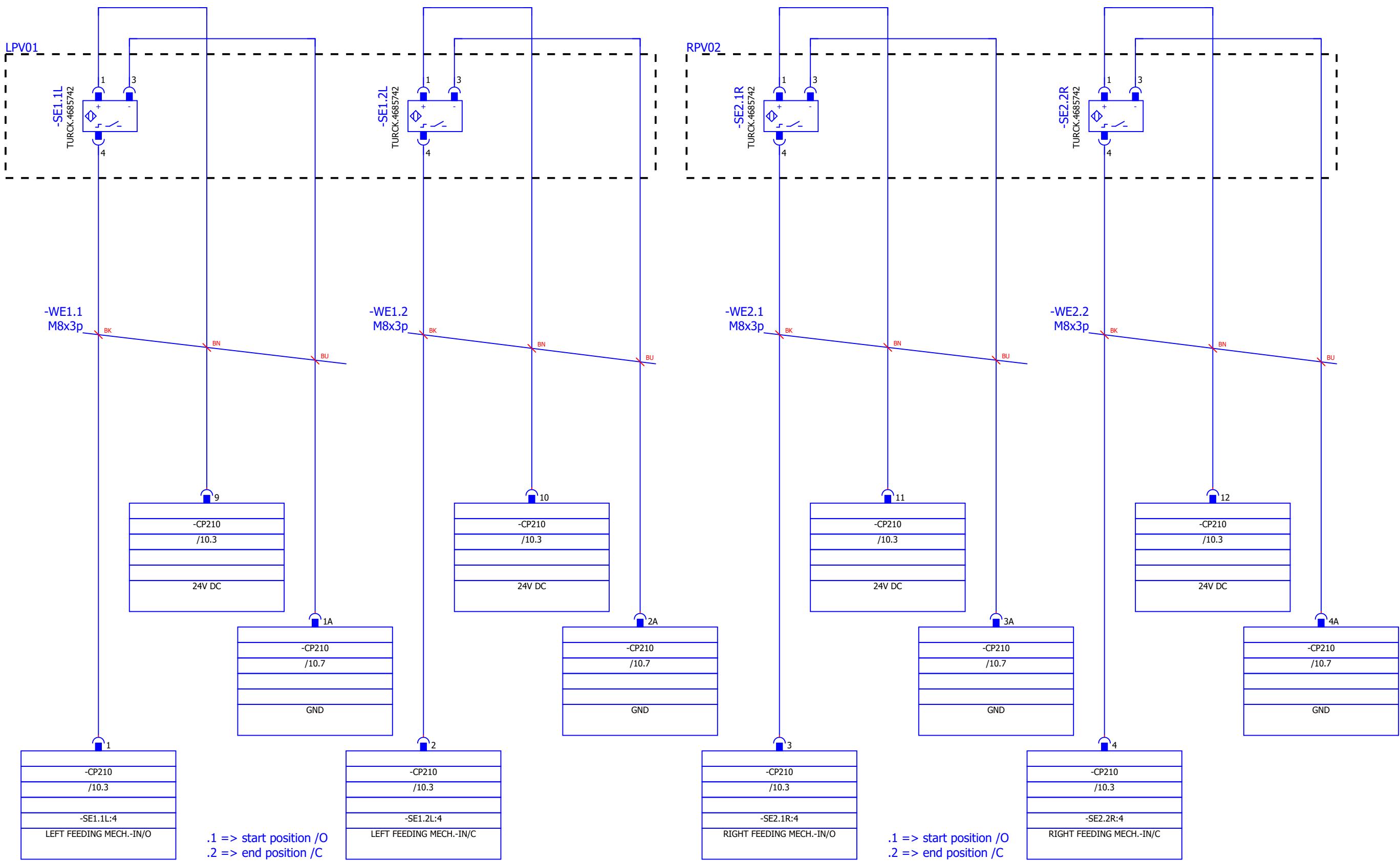
→ -SC2 / =DOK+DOK/2.8





► -SE1 / =DOK+DOK/2.0

► -SE2 / =DOK+DOK/2.9

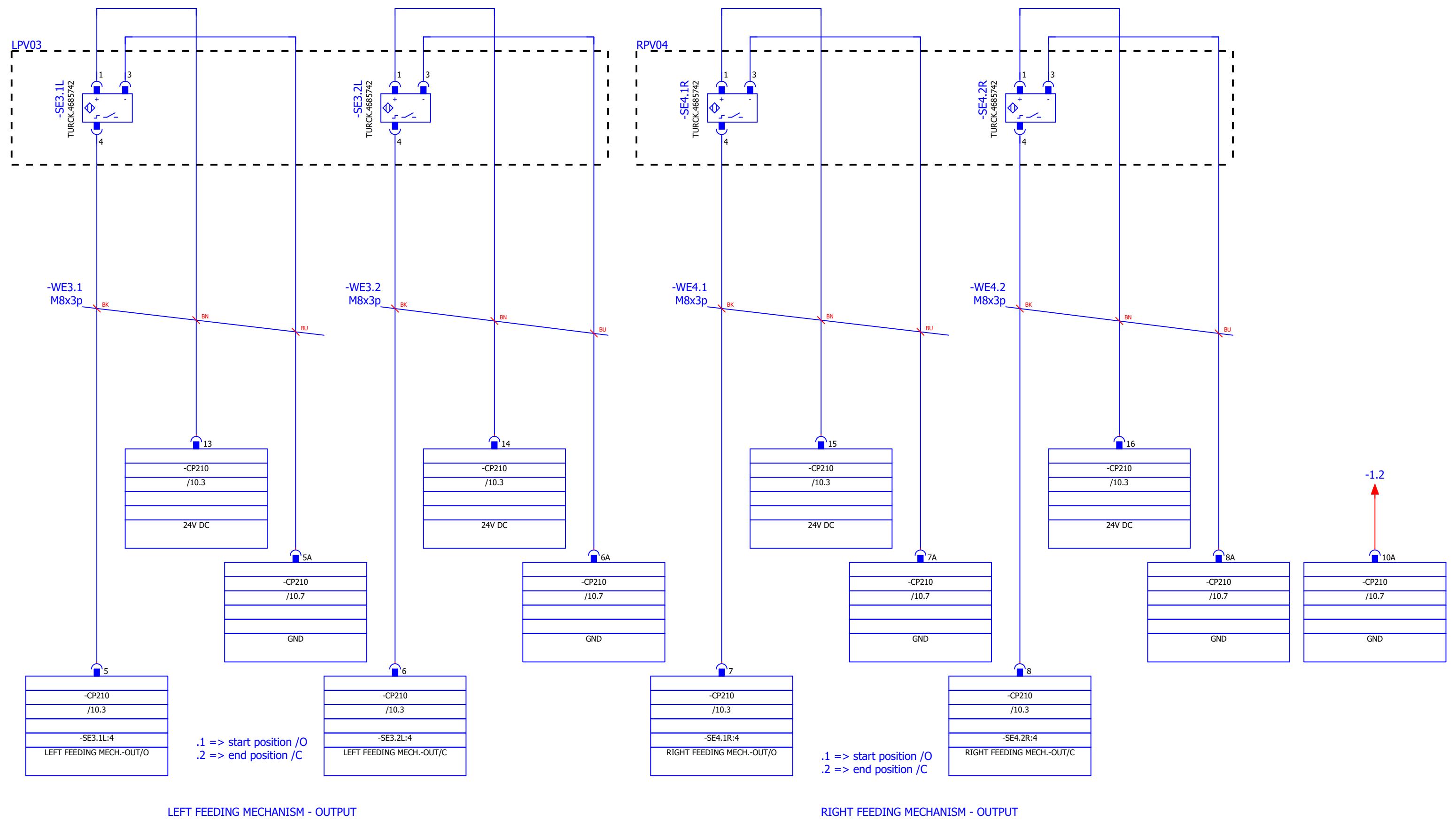


LEFT FEEDING MECHANISM - INPUT

RIGHT FEEDING MECHANISM - INPUT

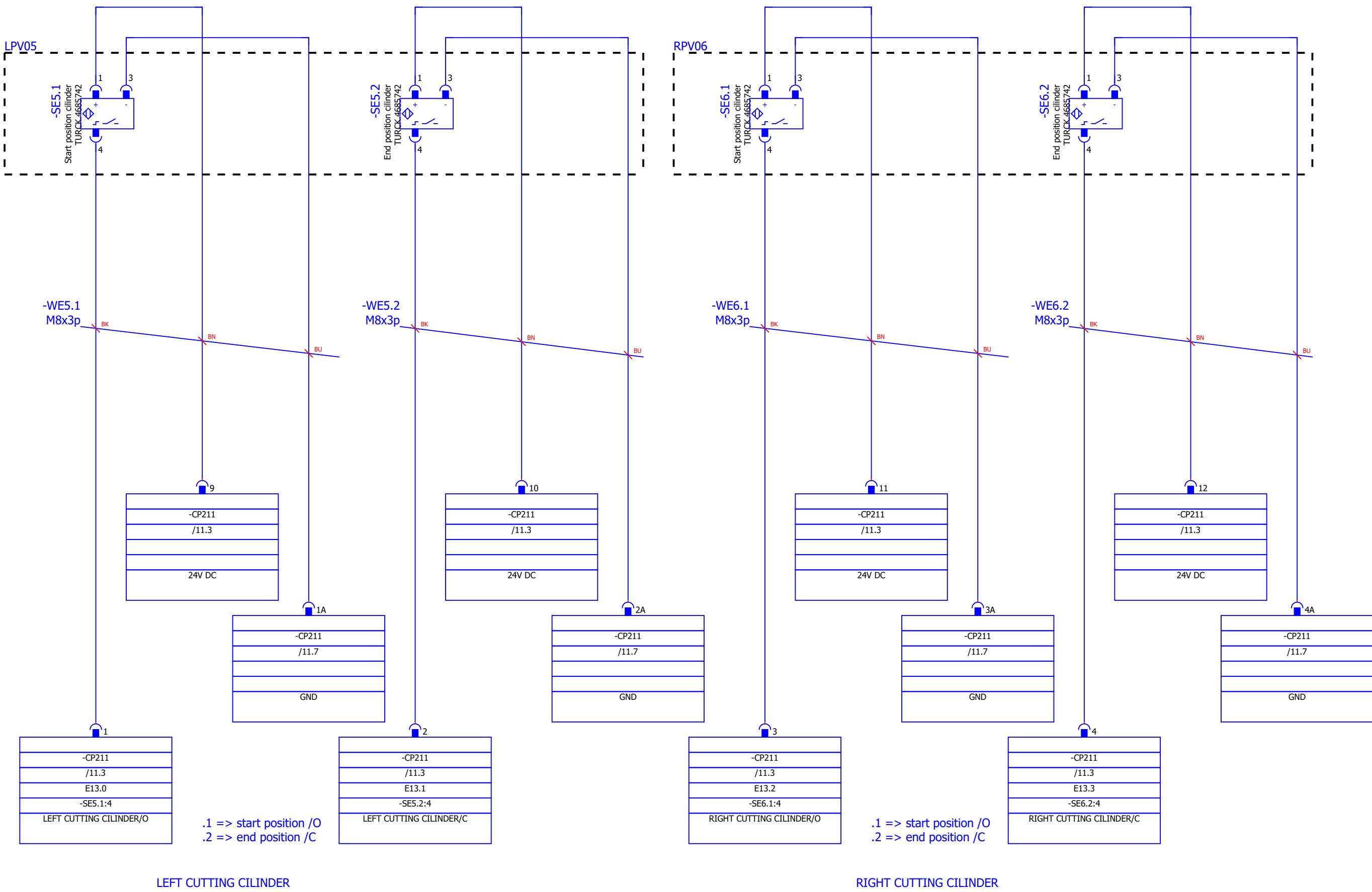
→ -SE3 / =DOK+DOK/2.0

→ -SE4 / =DOK+DOK/2.9



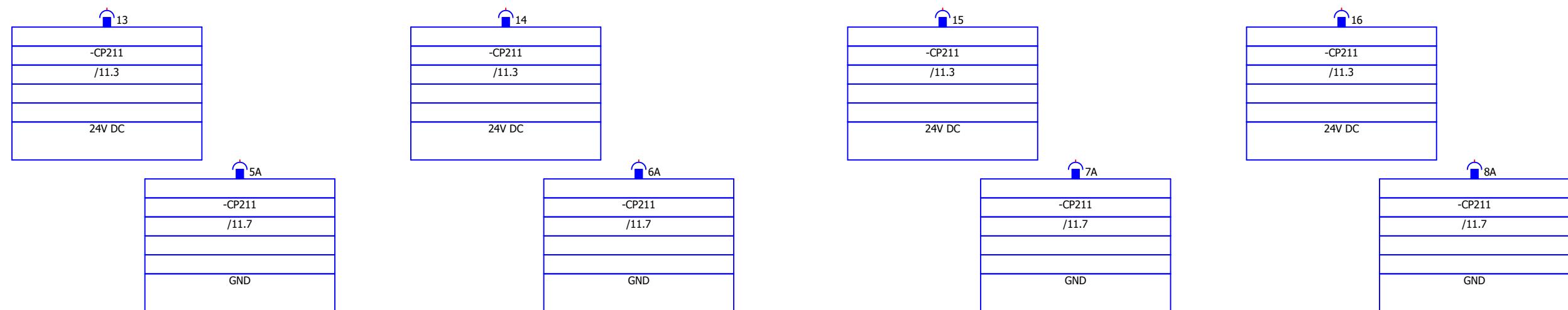
➡ -SE5 / =DOK+DOK/2.0

➡ -SE6 / =DOK+DOK/2.9



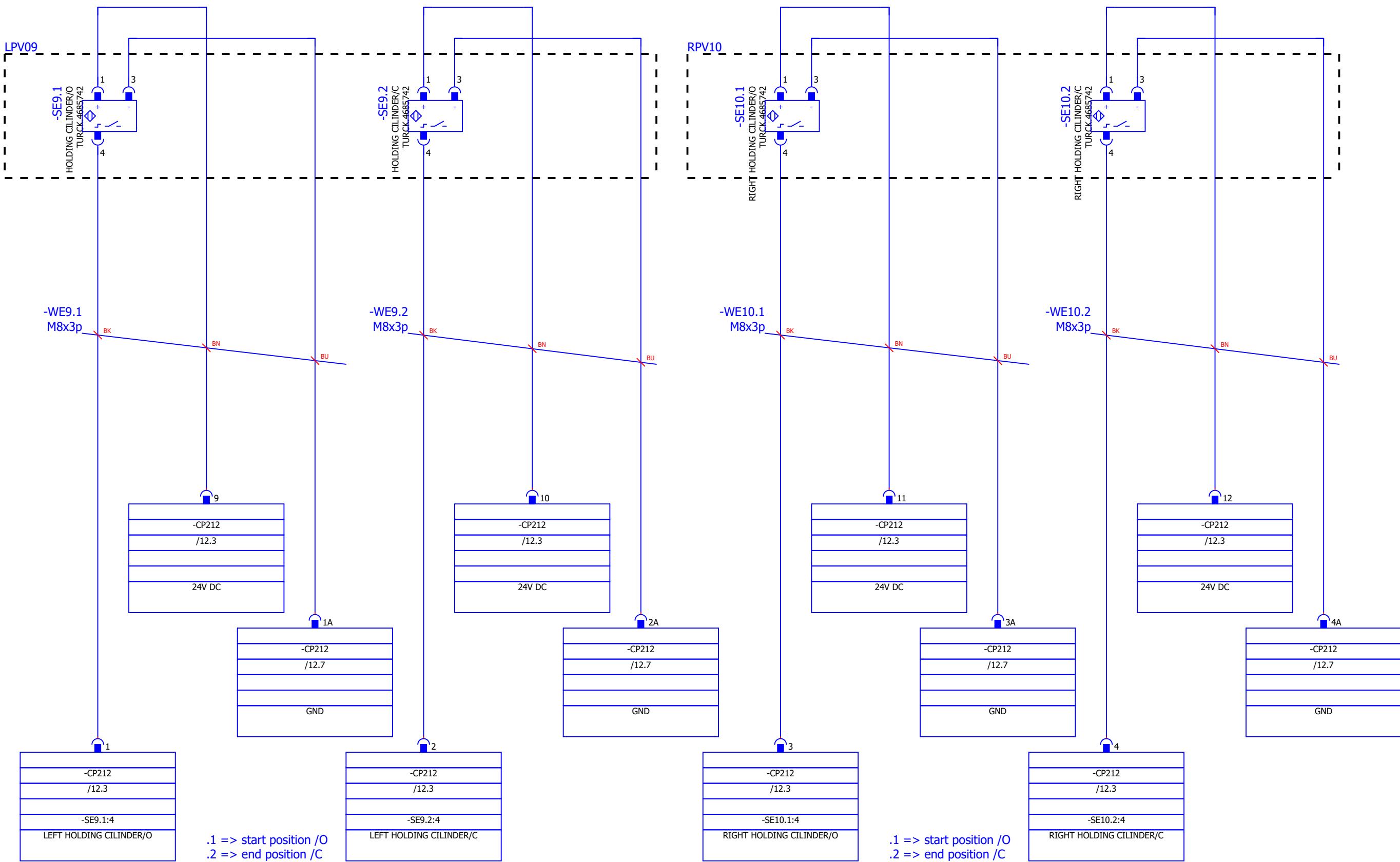
LEFT CUTTING CILINDER

RIGHT CUTTING CILINDER



► -SE9 / =DOK+DOK/2.0

► -SE10 / =DOK+DOK/2.9

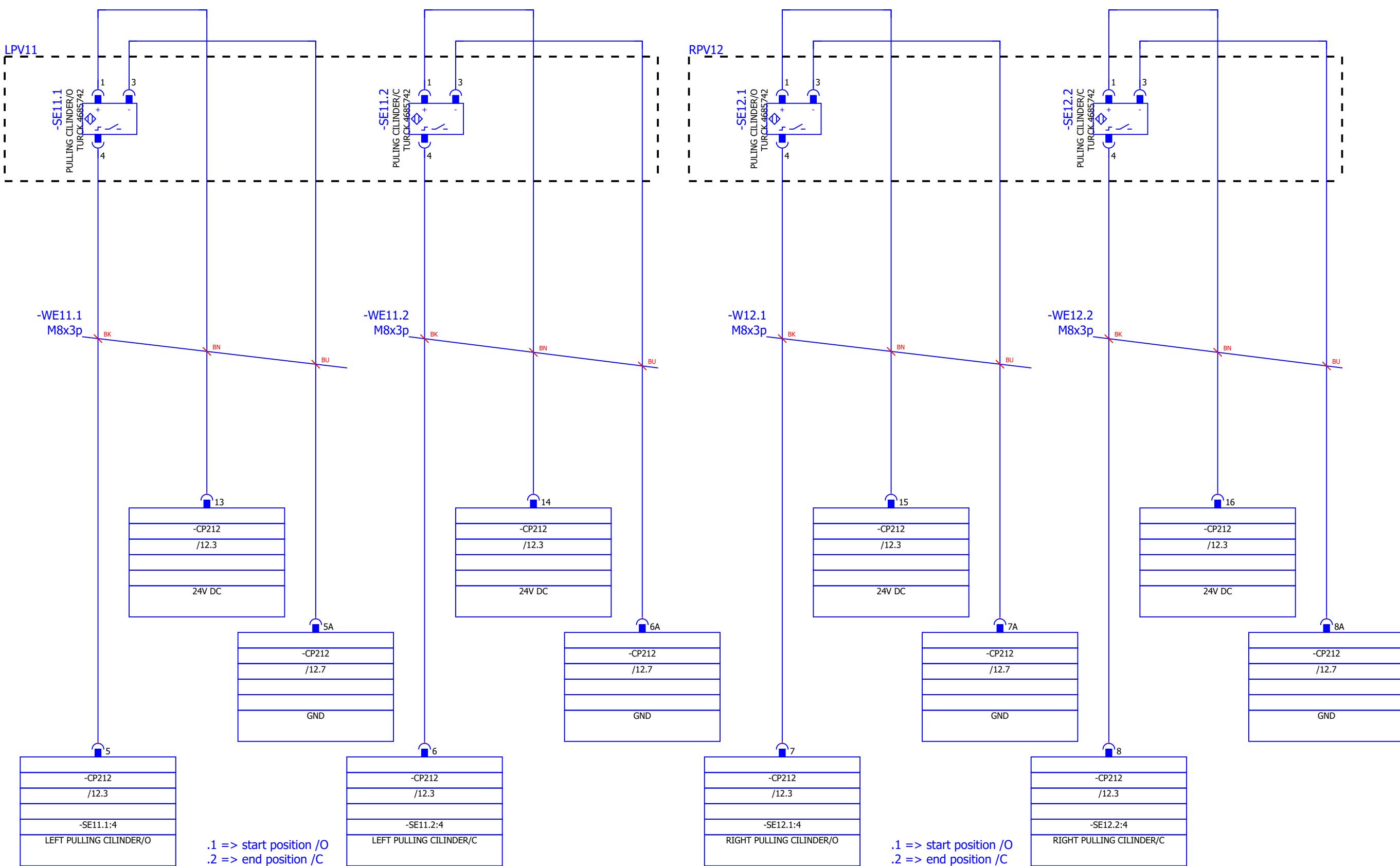


LEFT TENISONING MECHANISM - HOLDING

RIGHT TENISONING MECHANISM - HOLDING

➡ -SE11 / =DOK+DOK/2.0

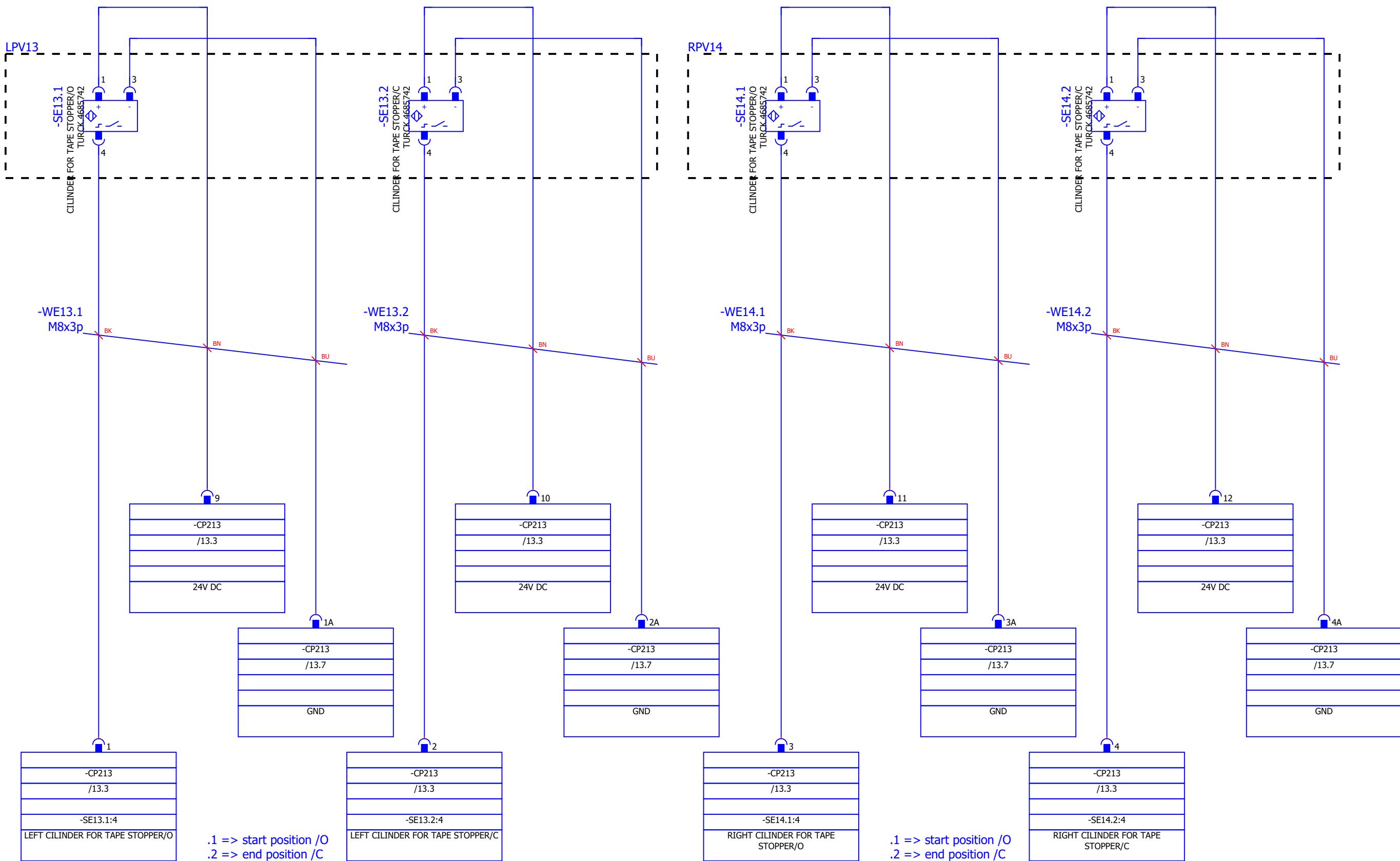
➡ -SE12 / =DOK+DOK/2.9



Datum vyt.	20.11.2020	E-mail		Zákazka	Zákazník	==	++
Zpracoval	D.F. David Fiala	david.fiala@bk-technic.cz		N20-1024 (V-XL)	BK Technic s.r.o.	= TER	+ RIO
Ověřil		Telefon		Projekt			
Datum zm.	19.01.2021	606589084		Ultrasonic bonding station			

► -SE13 / =DOK+DOK/2.0

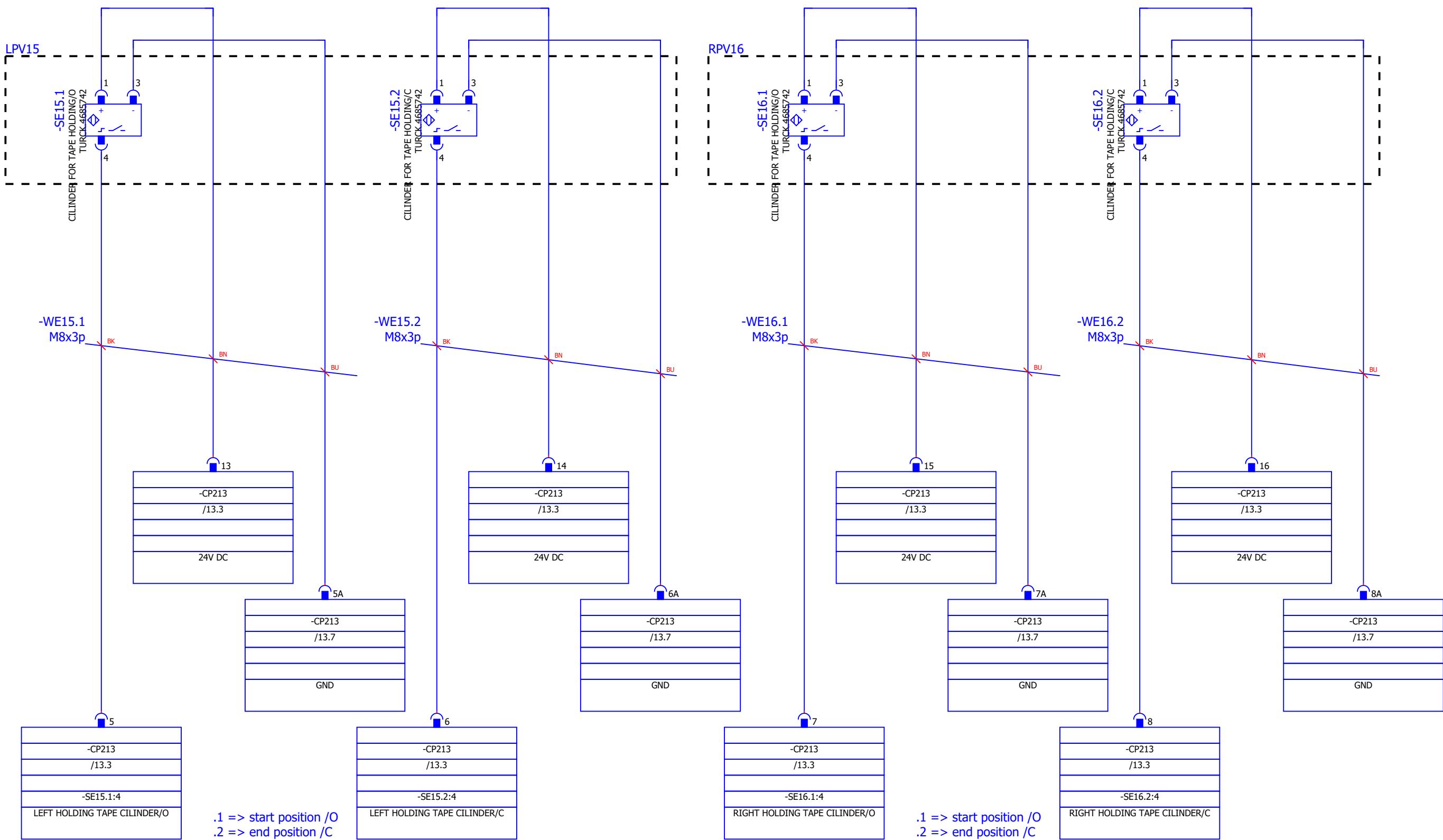
► -SE14 / =DOK+DOK/2.9



CHAIN-1 1,3m

➡ -SE15 / =DOK+DOK/2.0

➡ -SE16 / =DOK+DOK/2.9



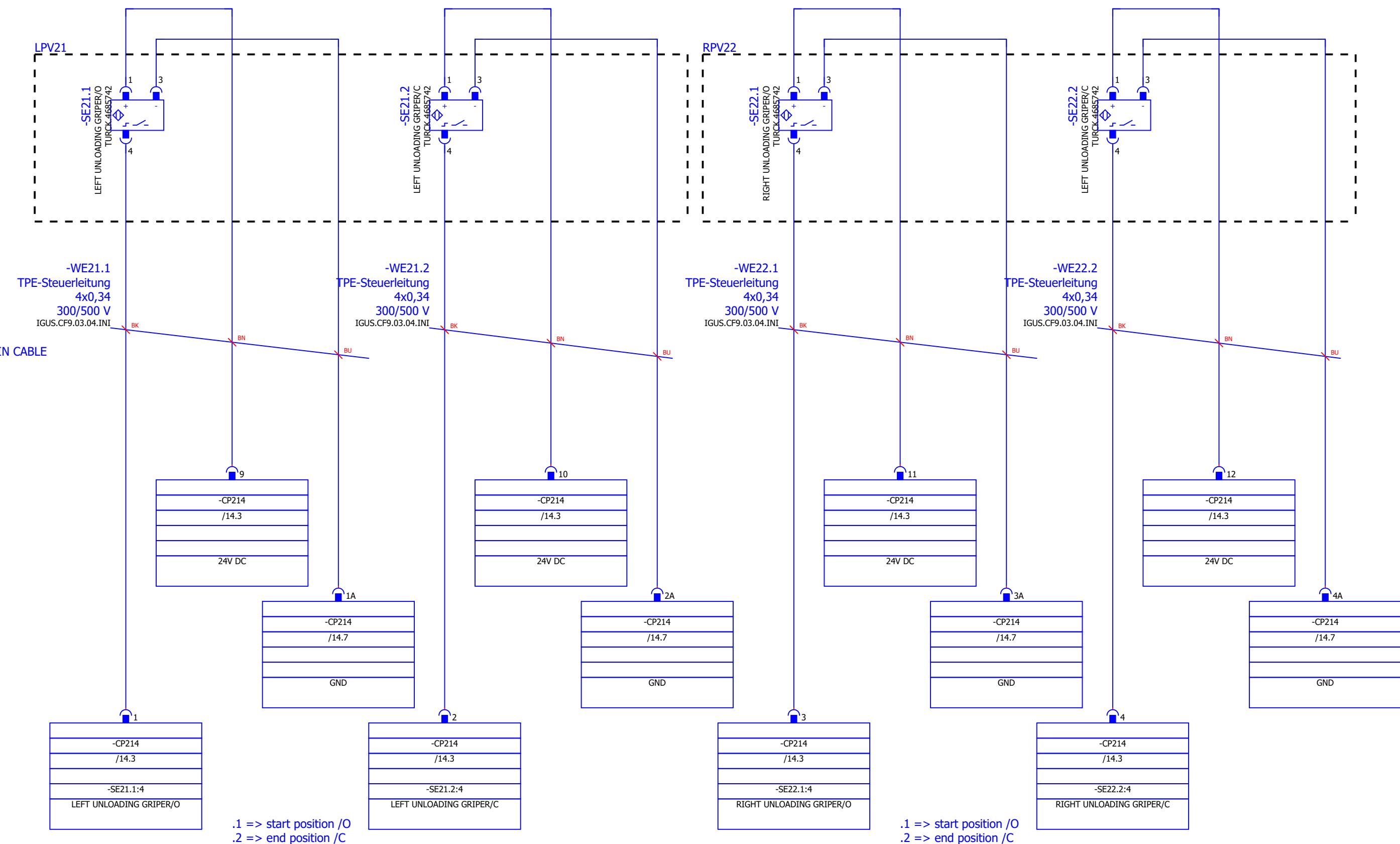
LEFT TENISONING MECHANISM - PULLING

RIGHT TENISONING MECHANISM - PULLING

CHAIN-1 1,3m

→ -SE21 / =DOK+DOK/2.0

→ -SE22 / =DOK+DOK/2.9



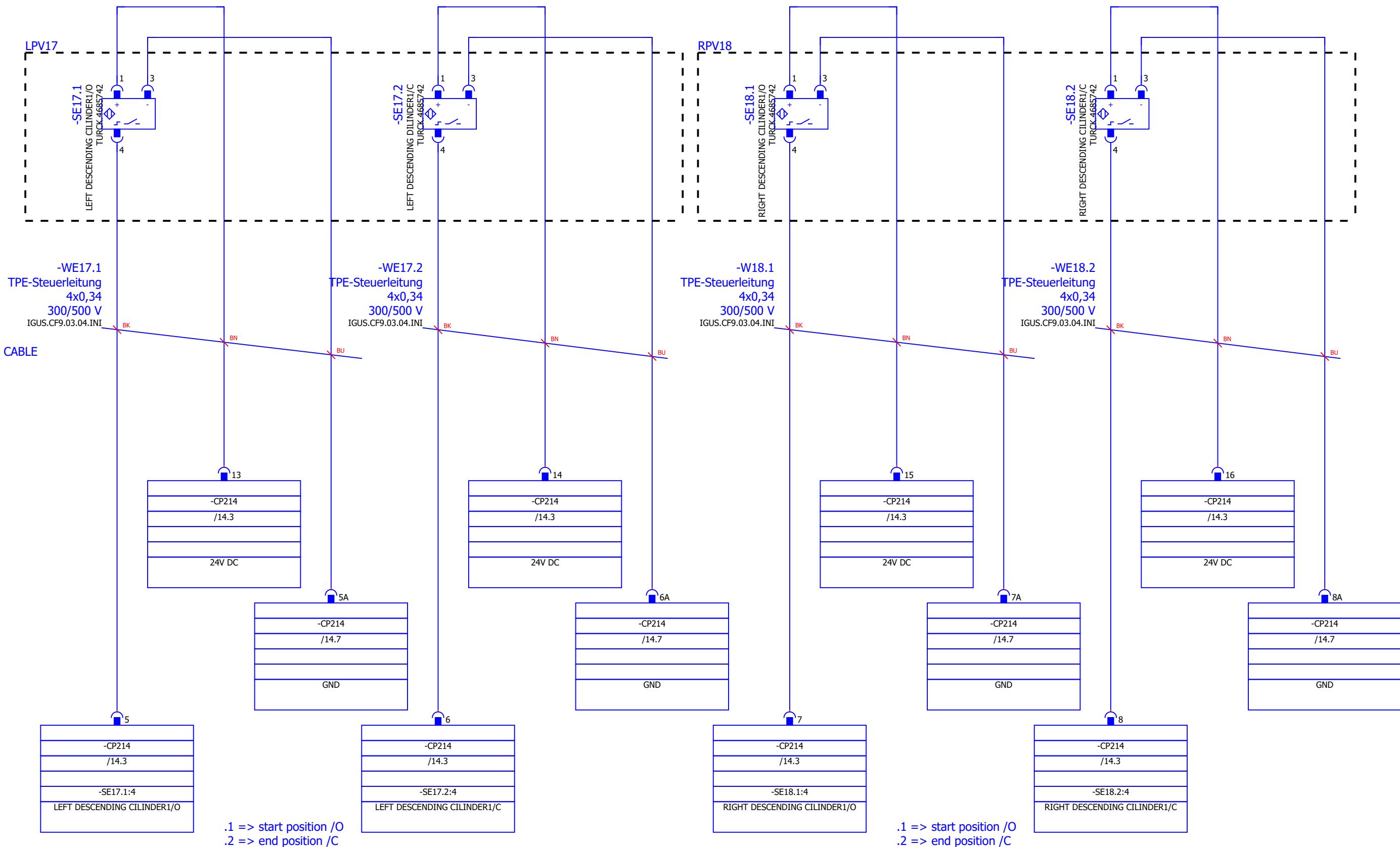
LEFT UNLOADING GRIPER

CHAIN-2 3,65m

RIGHT UNLOADING GRIPER

➡ -SE17 / =DOK+DOK/2.0

➡ -SE18 / =DOK+DOK/2.9



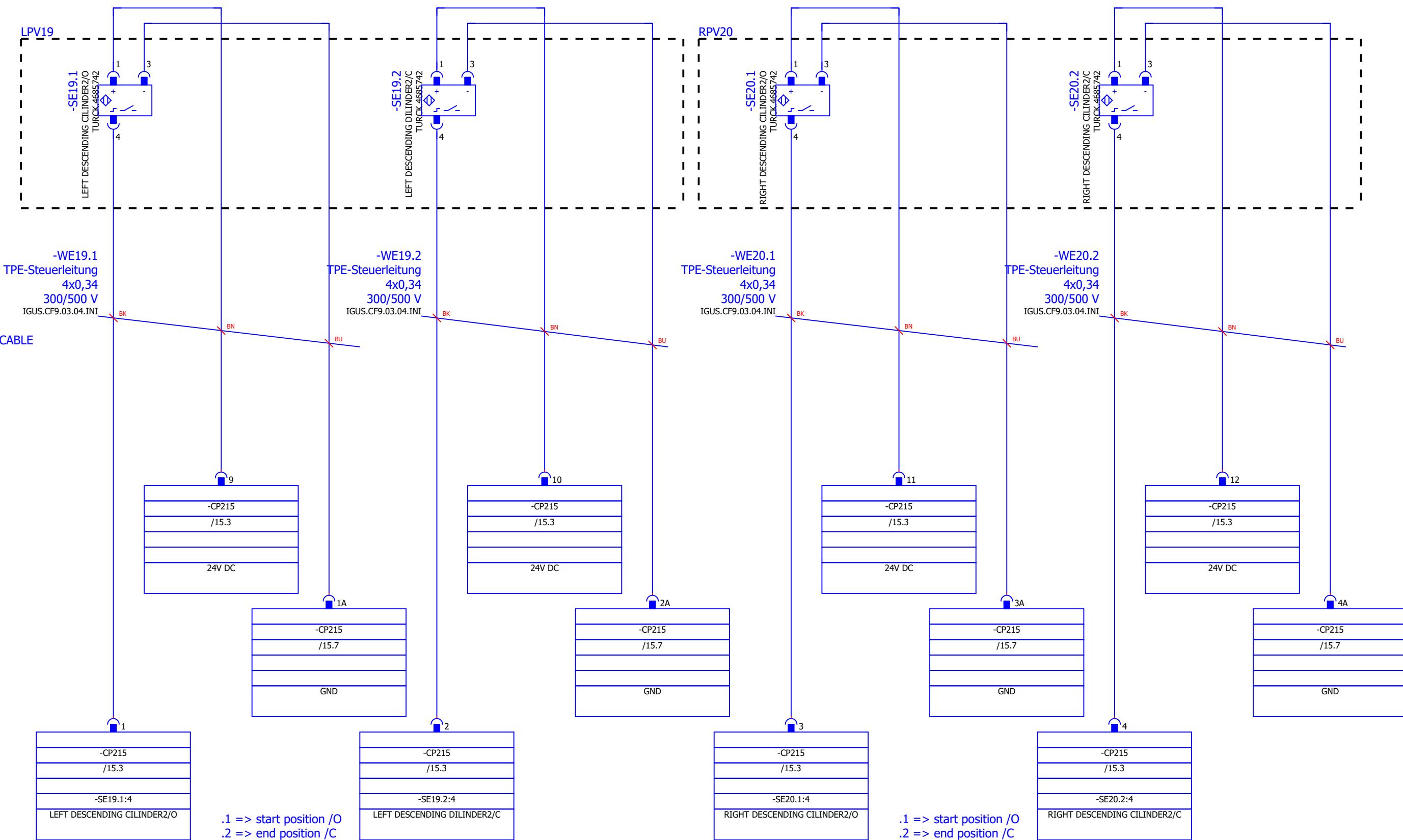
LEFT WELDING SONOTRODE CONSOLE - DESCENDING C.1

CHAIN-3 2m

RIGHT WELDING SONOTRODE CONSOLE - DESCENDING C.1

→ -SE19 / =DOK+DOK/2.0

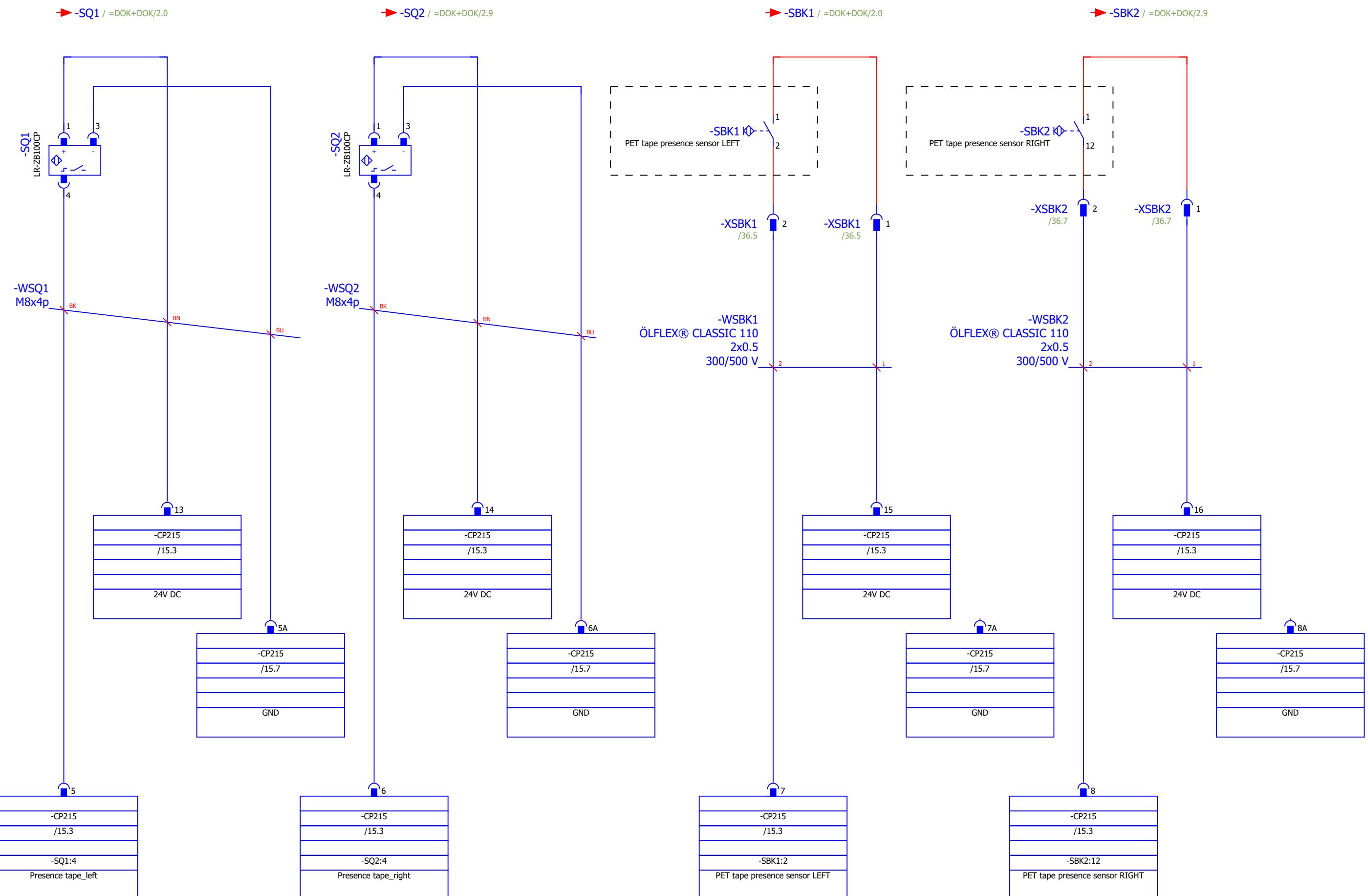
→ -SE20 / =DOK+DOK/2.9



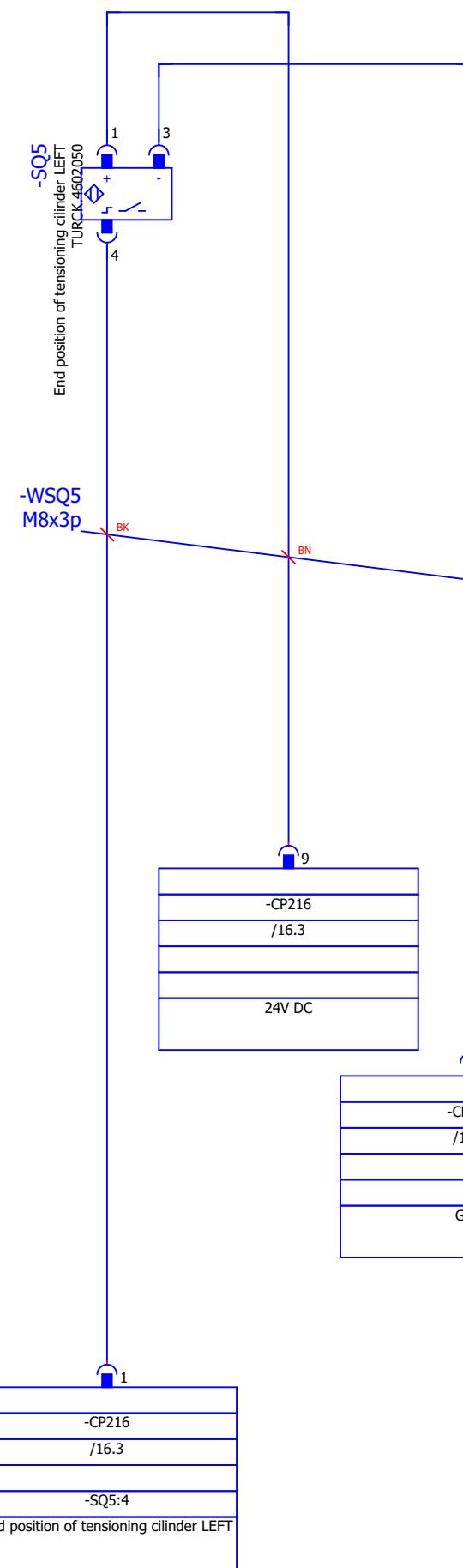
LEFT WELDING SONOTRODE CONSOLE - DESCENDING C.2

RIGHT WELDING SONOTRODE CONSOLE - DESCENDING C.2

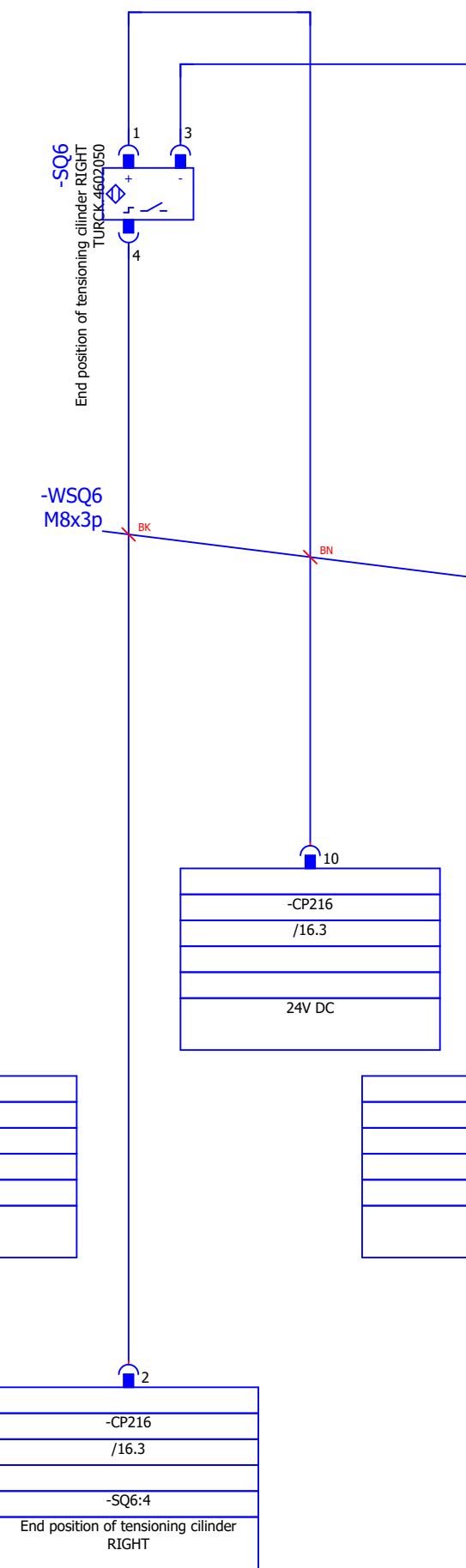
CHAIN-3 2m



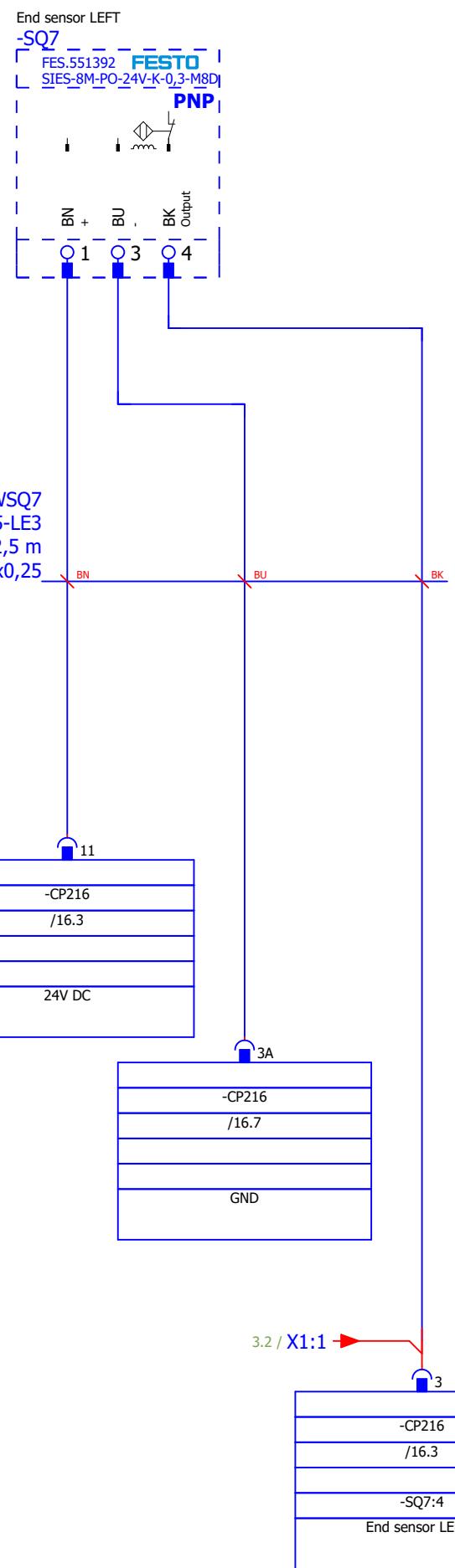
► -SQ5 / =DOK+DOK/2.0



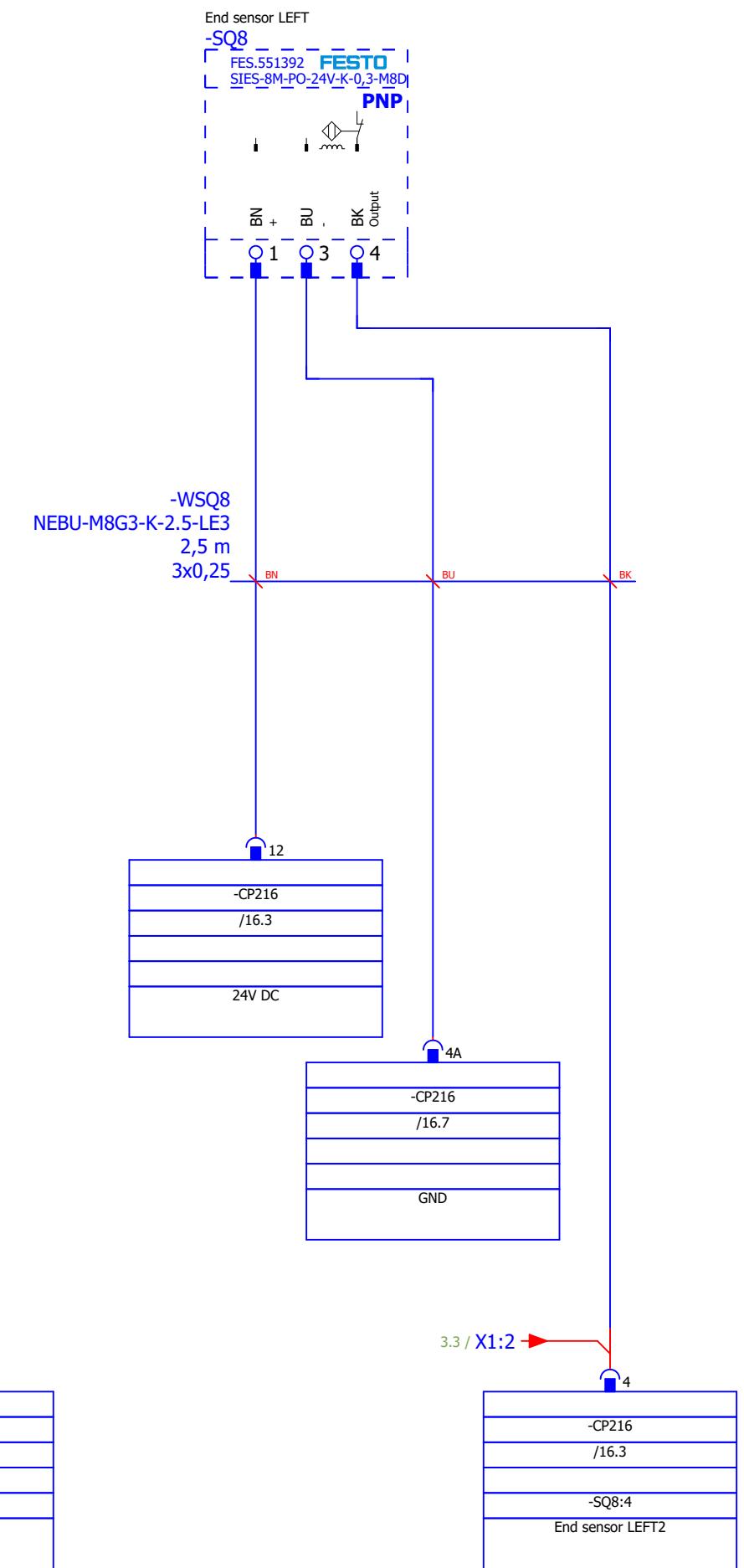
► -SQ6 / =DOK+DOK/2.9



► -SQ7 / =DOK+DOK/2.0



► -SQ8 / =DOK+DOK/2.0

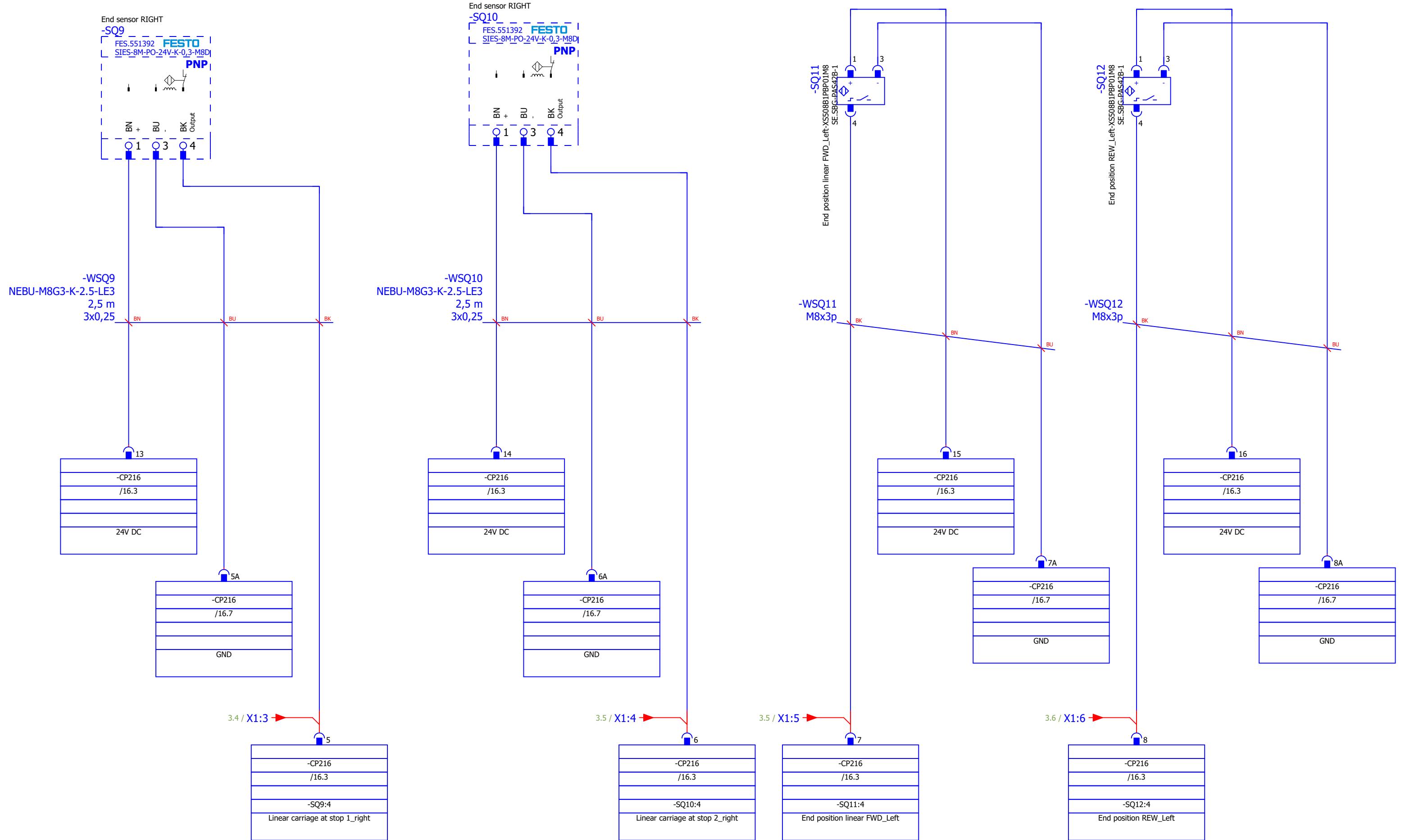


► -SQ9 / =DOK+DOK/2.9

► -SQ10 / =DOK+DOK/2.9

► -SQ11 / =DOK+DOK/2.0

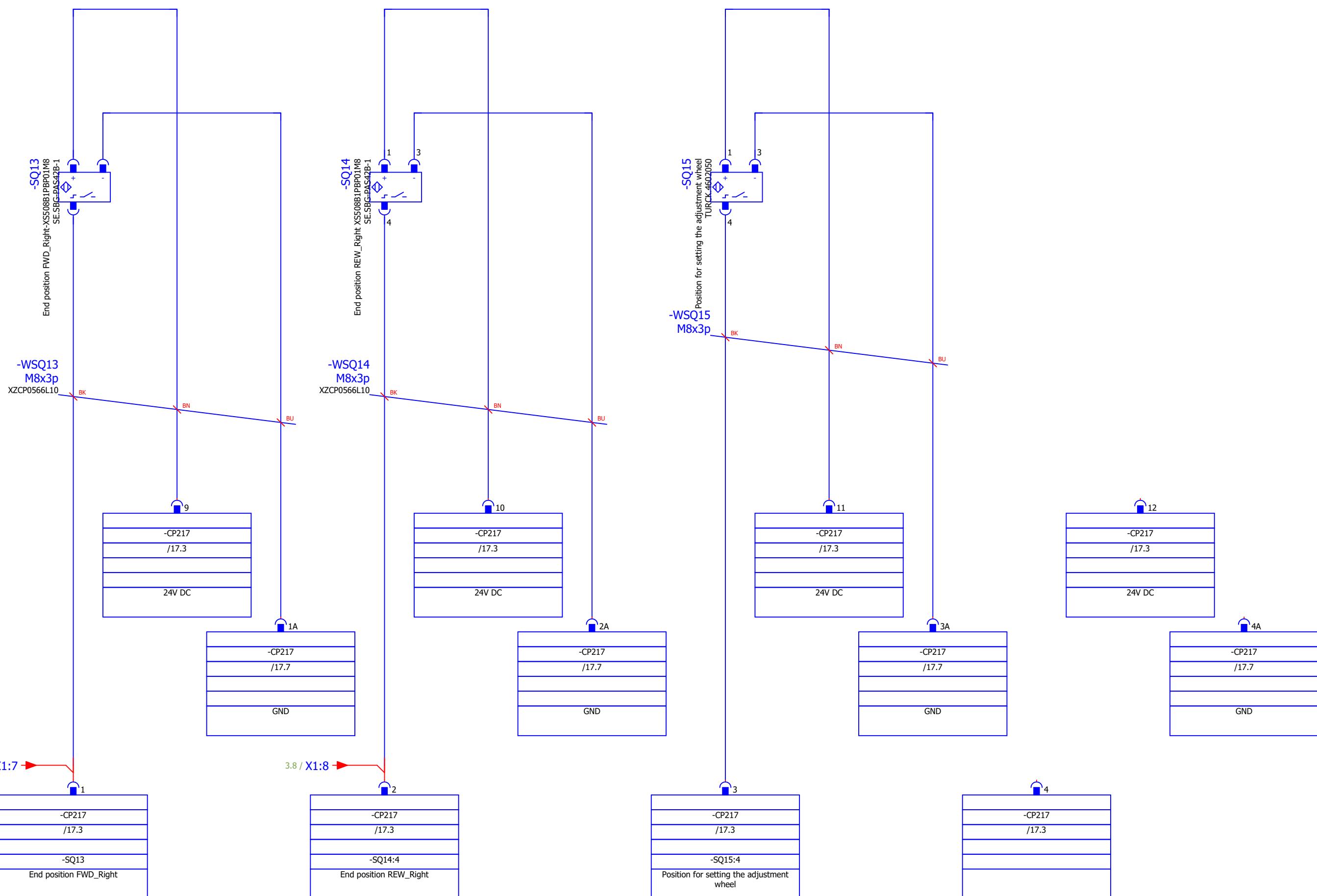
► -SQ12 / =DOK+DOK/2.0

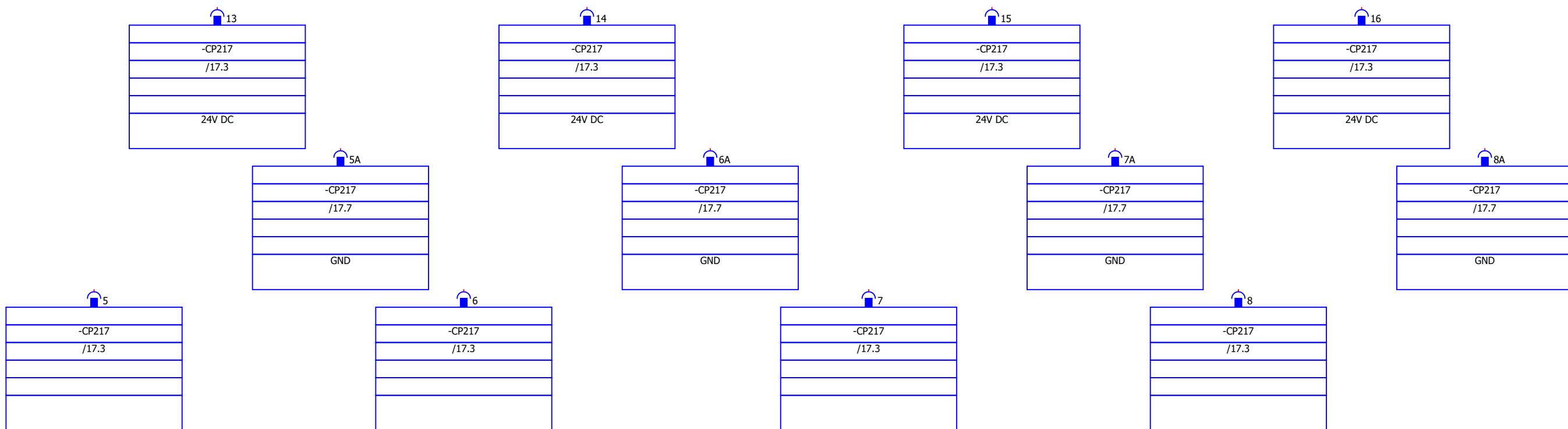


→ -SQ13 / =DOK+DOK/2.8

→ -SQ14 / =DOK+DOK/2.8

→ -SQ15 / =DOK+DOK/2.8







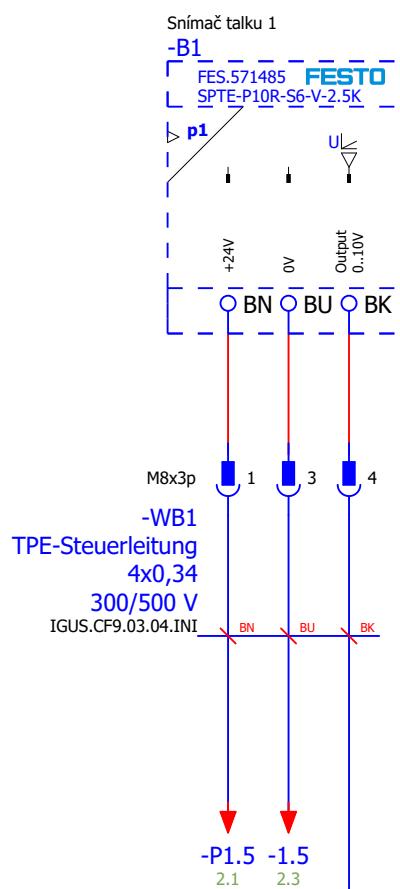
BEZPEČNOSTNÍ OKRUH 4

BEZPEČNOSTNÍ OKRUH 4

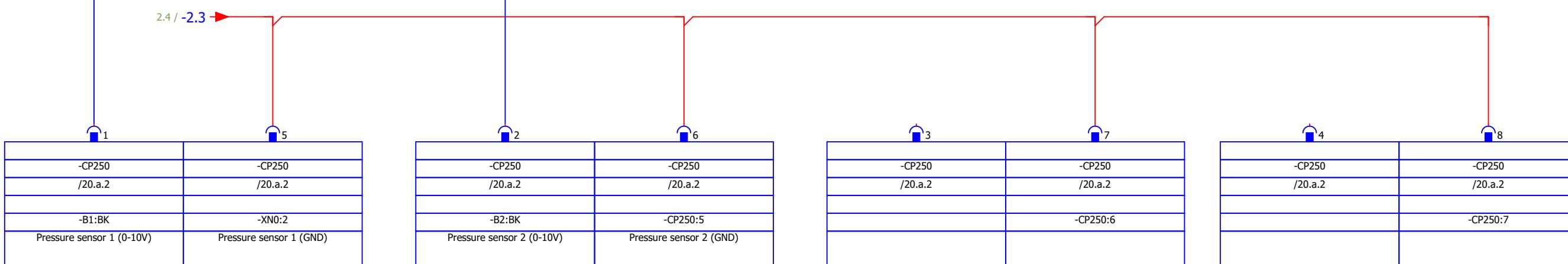
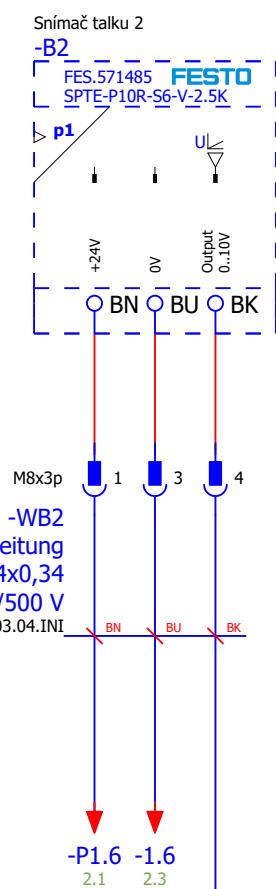
→ -B1 / =DOK+DOK/2.0

→ -B2 / =DOK+DOK/2.9

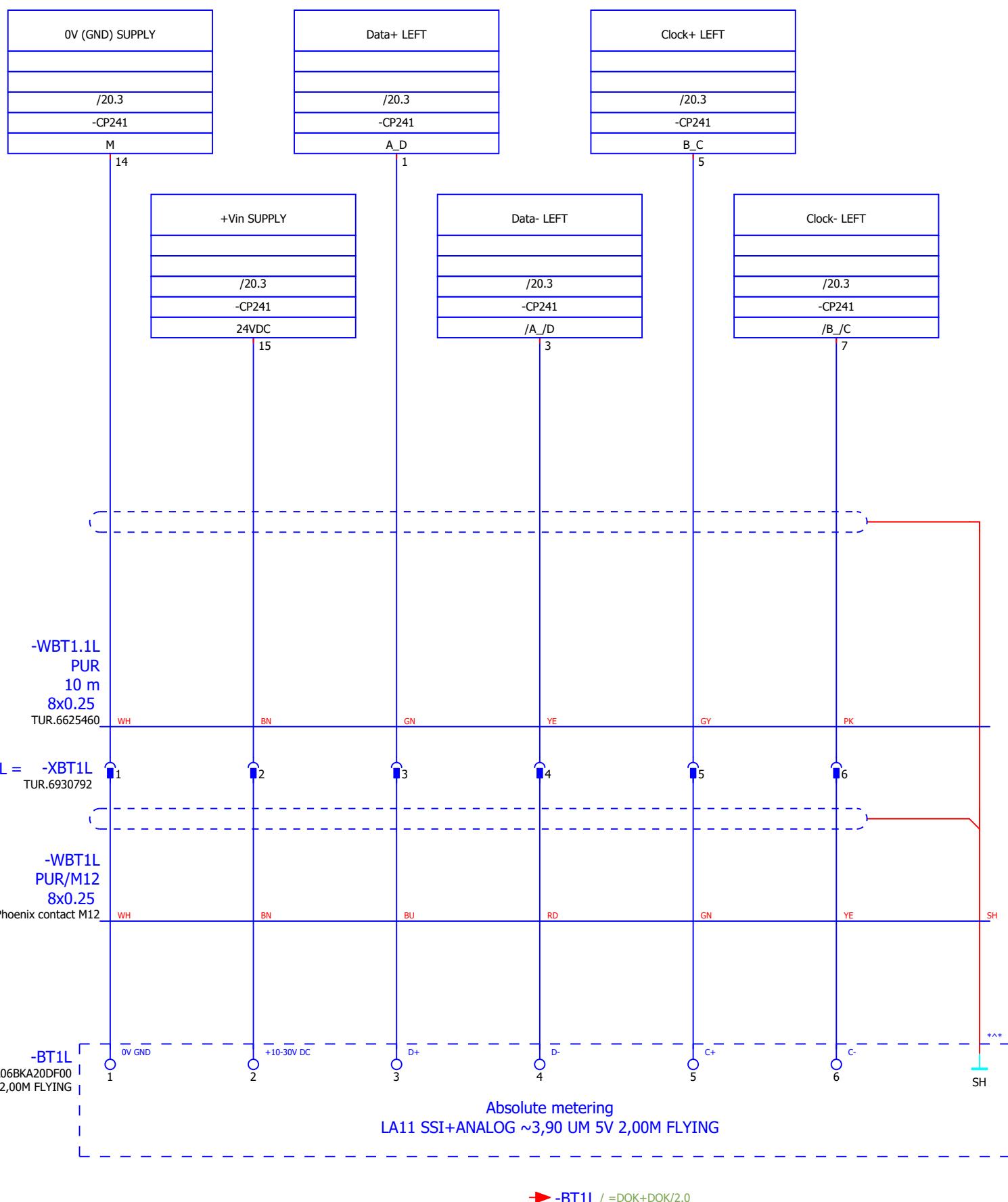
Analog output 0-10V



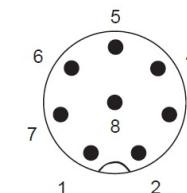
Analog output 0-10V



Absolute measuring LEFT line



Phoenix contact M12 8 pole



Pin	Wire colour	BiSS	SSI
Case	Outer shield	Encoder/machine case (Earth connection)	Encoder/machine case (Earth connection)
1	White	0 V (GND) supply	0 V (GND) supply
2	Brown	+Vin supply	+Vin supply
3	Blue	SLO+	Data+
4	Red	SLO-	Data -
5	-	-	-
6	Yellow	MA-	Clock -
7	Green	MA+	Clock +
8	-	-	-

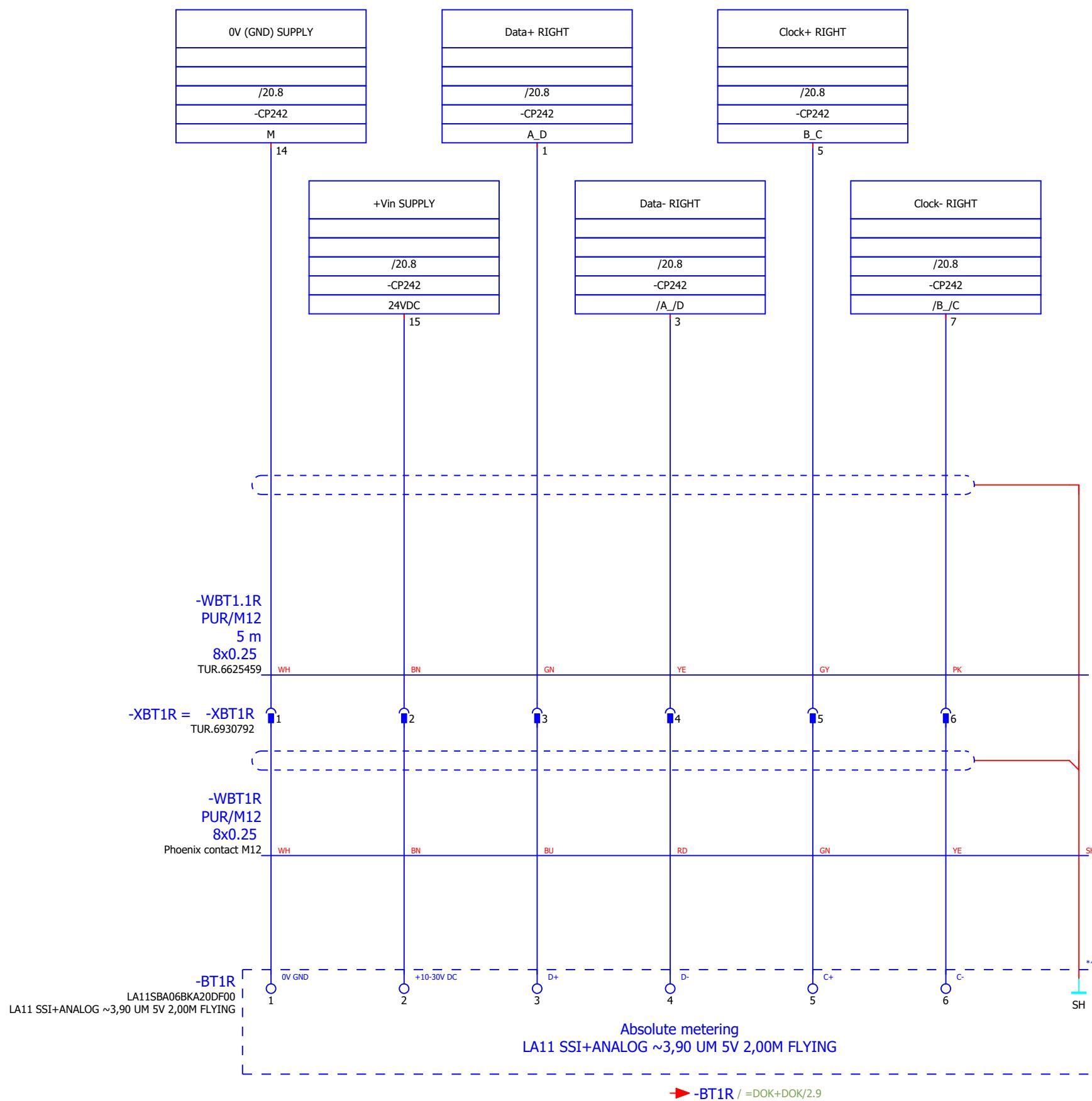
LA11D01_08

Communication interfaces

SSI

Maximum clock frequency	0.8 MHz standard 2.5 MHz with Delay First Clock option on the controller
Read repetition rate	15 kHz 30 kHz with Delay First Clock option on the controller
Resolution	See table below
Refresh rate*	100 kHz
Timeout (monoflop time)	10 µs

Absolute measuring RIGHT line



+PNE
VZDUCHOTECHNIKA

N20-1024

+PNE

VENTILATION SYSTEM

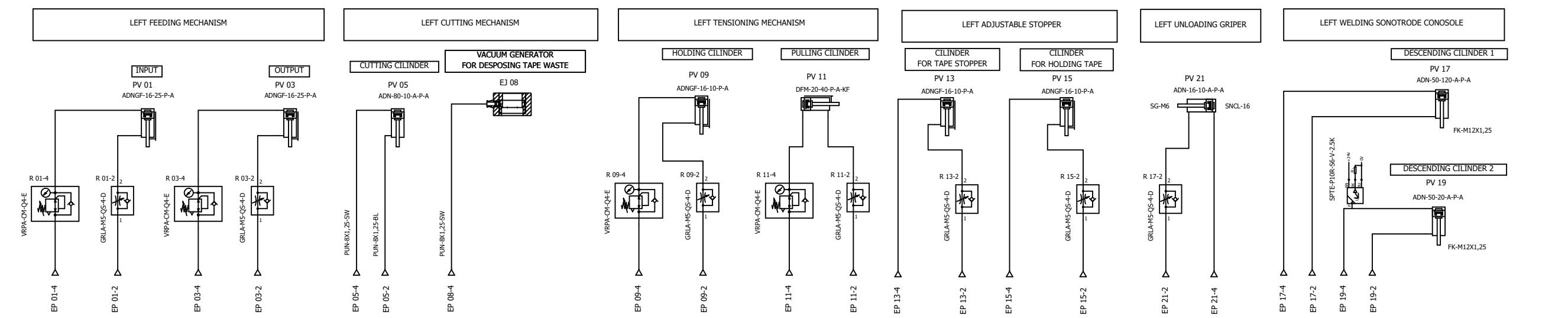
AX.1060000, 600x600x210 mm

► PNE =DOK+DOK/2.8

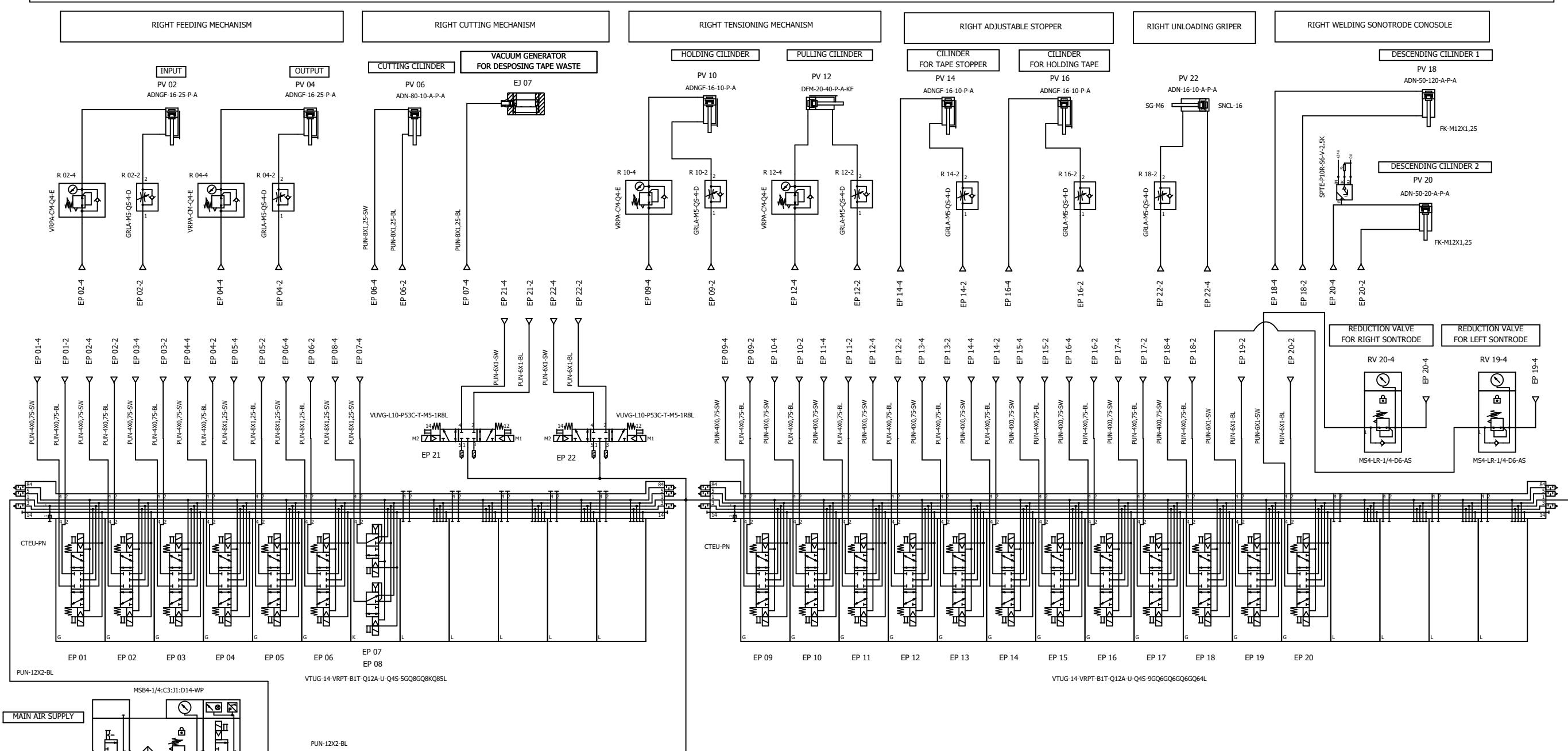
I:_eplan\Projekty\DAVID\N20-1024.elk

		BK Technic s.r.o. Zámecká 63 463 43 Český Dub www.bk-technic.cz info@bk-technic.cz	
Typ:	+PNE	In:	4A
Výrobek:	BK-PNE-N20-1024	Imax:	4A
Soustava:	PELV	f:	---
Výrobní číslo:	008/21	Un:	24V DC
Kusová zkouška:	KZ-008/21		
Datum:	20. 1.2021	Uovl:	24V DC
Výkres č.:	N20-1024		
Zkratový proud:	10 kA		
IP:	54/20		
Napojeno z:	+RIO		
ČSN EN 60204-1 ed.3, 02/2019			

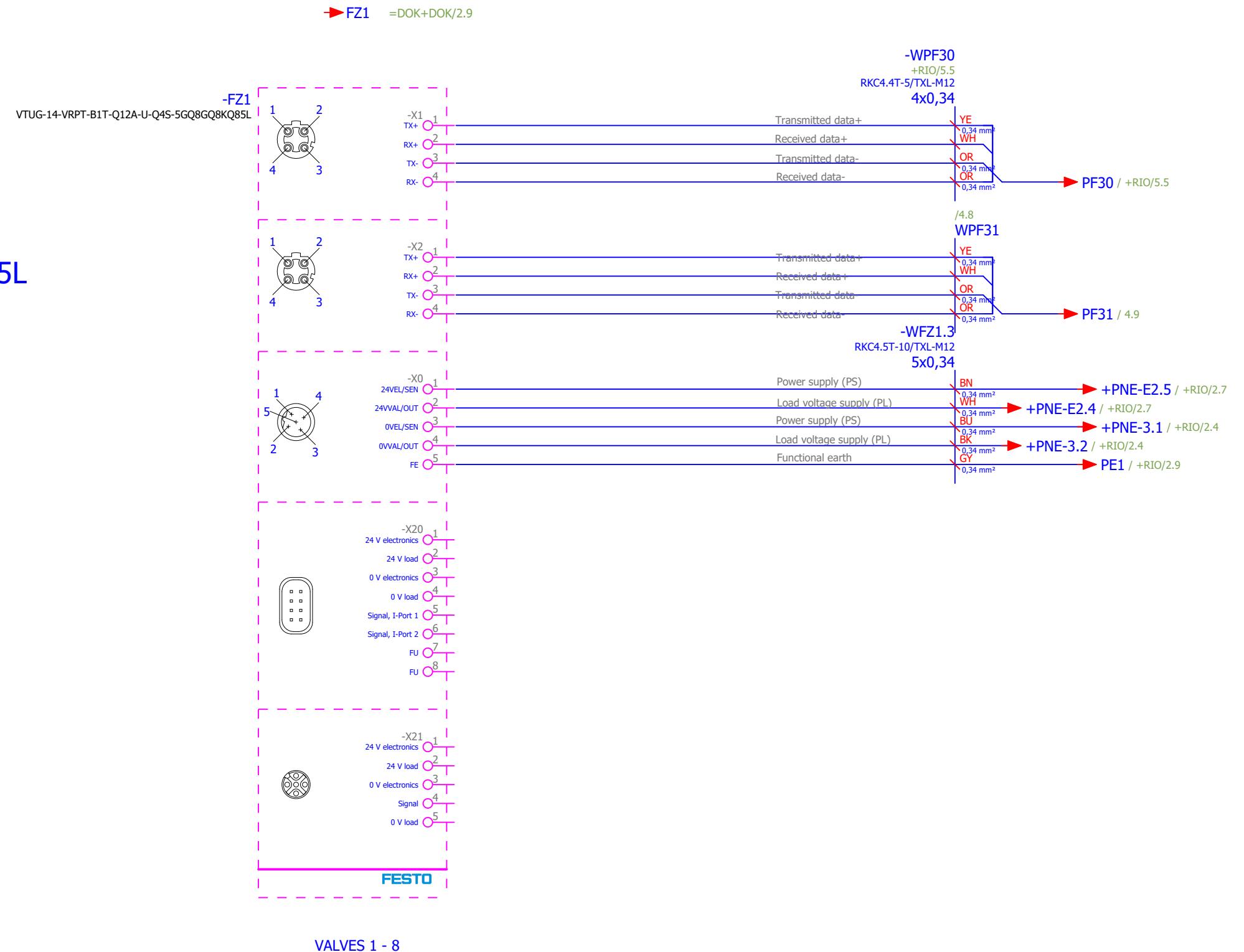
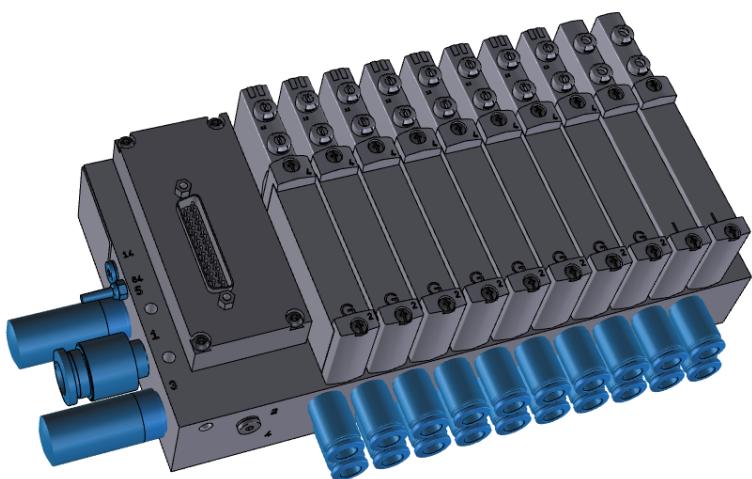
LEFT SIDE



RIGHT SIDE

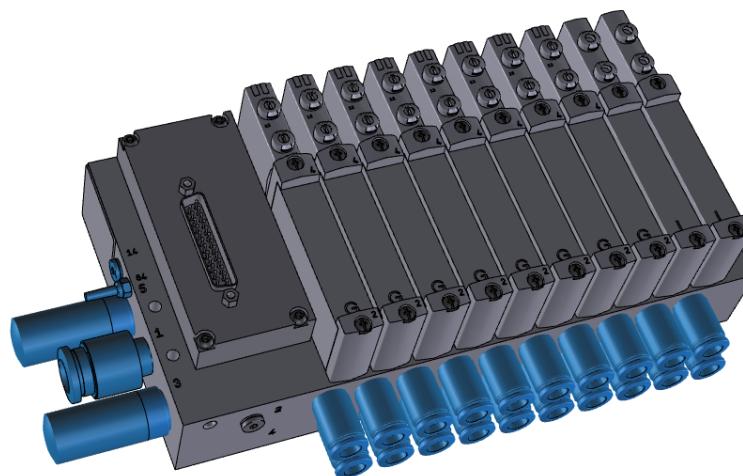


VTUG-14-VRPT-B1T-Q12A-U-Q4S-5GQ8GQ8KQ85L

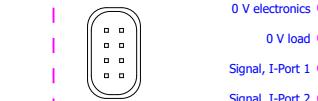
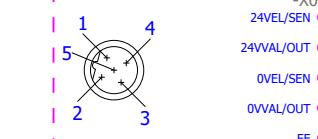
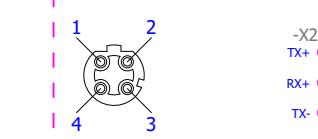
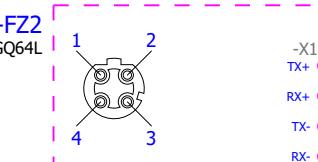


→ FZ2 =DOK+DOK/2.9

VTUG-14-VRPT-B1T-Q12A-U-Q4S-9GQ6GQ6GQ6GQ64L

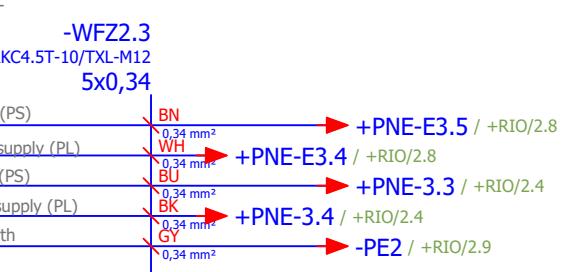
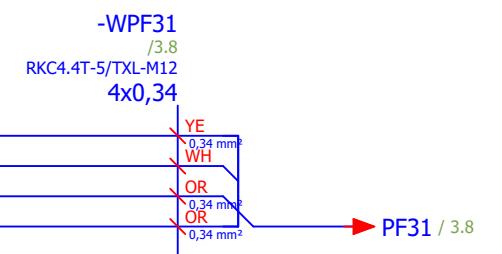


VTUG-14-VRPT-B1T-Q12A-U-Q4S-9GQ6GQ6GQ6GQ64L



FESTO

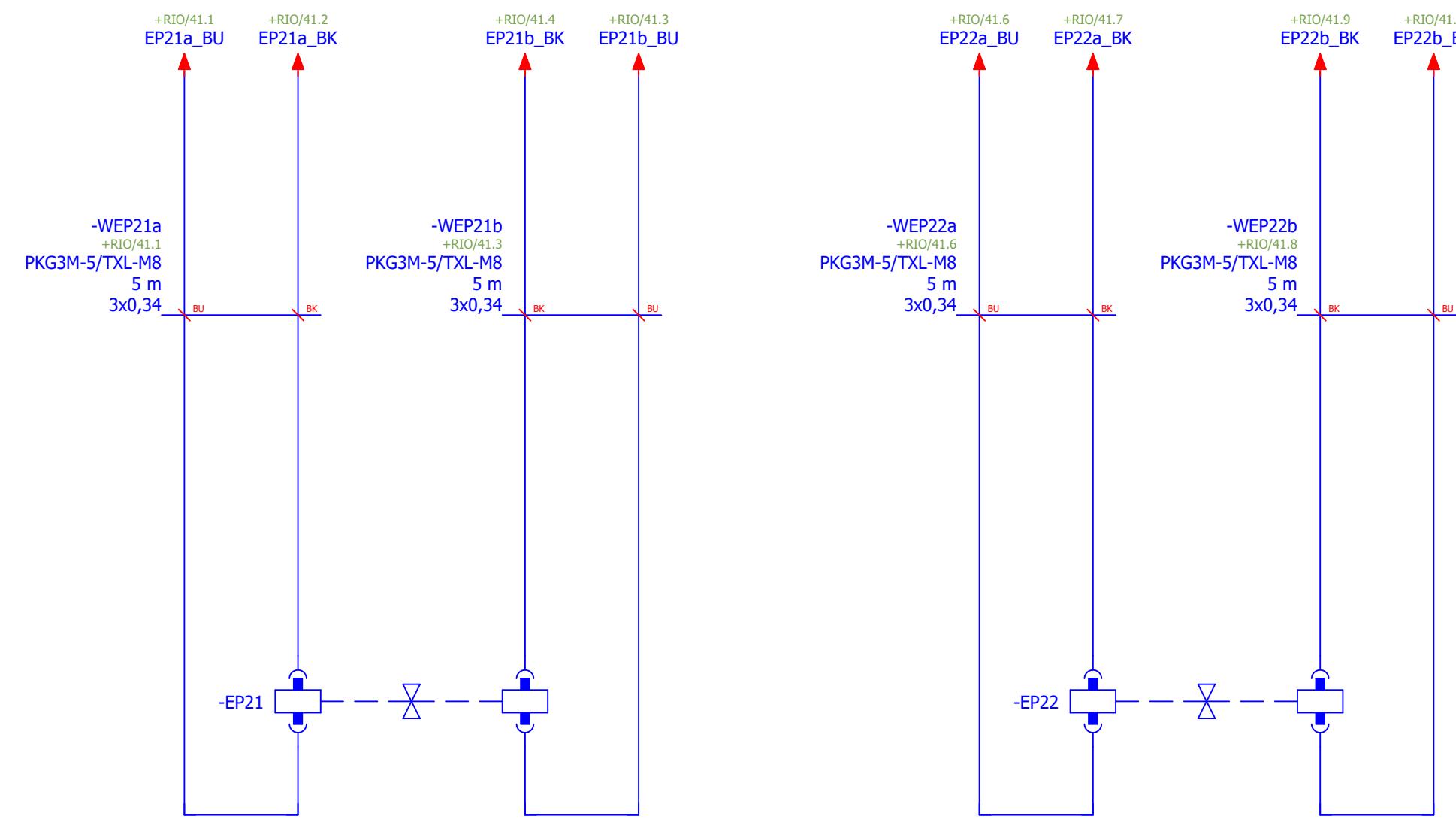
VALVES 9 - 20



Transmitted data+
Received data+
Transmitted data-
Received data-

Power supply (PS)
Load voltage supply (PL)
Power supply (PS)
Load voltage supply (PL)
Functional earth
BN
WH
BU
BK
GY

+PNE-E3.5 / +RIO/2.8
+PNE-E3.4 / +RIO/2.8
+PNE-3.3 / +RIO/2.4
+PNE-3.4 / +RIO/2.4
-PE2 / +RIO/2.9



► EP21 =DOK+DOK/2.9

► EP22 =DOK+DOK/2.9