



125145_Berthiez

Total no. of pages: 97

Wictus A/S

Machine type: Vertikal dreiemølle

Control system: Siemens Sinumerik 840D Solution Line

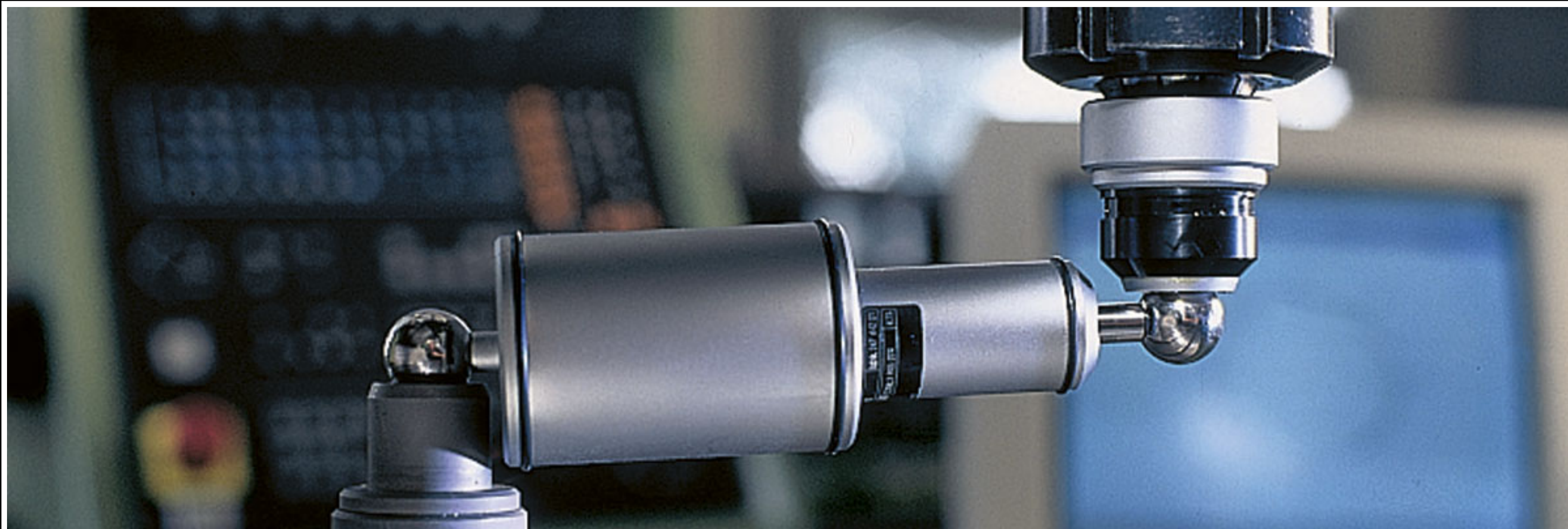


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F06_001

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/1.b	Table of contents		21.11.2015	wictus	
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+X1/2	Fordeling		21.11.2015	wictus	
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+X1/9	Skapkjøler		21.11.2015	wictus	
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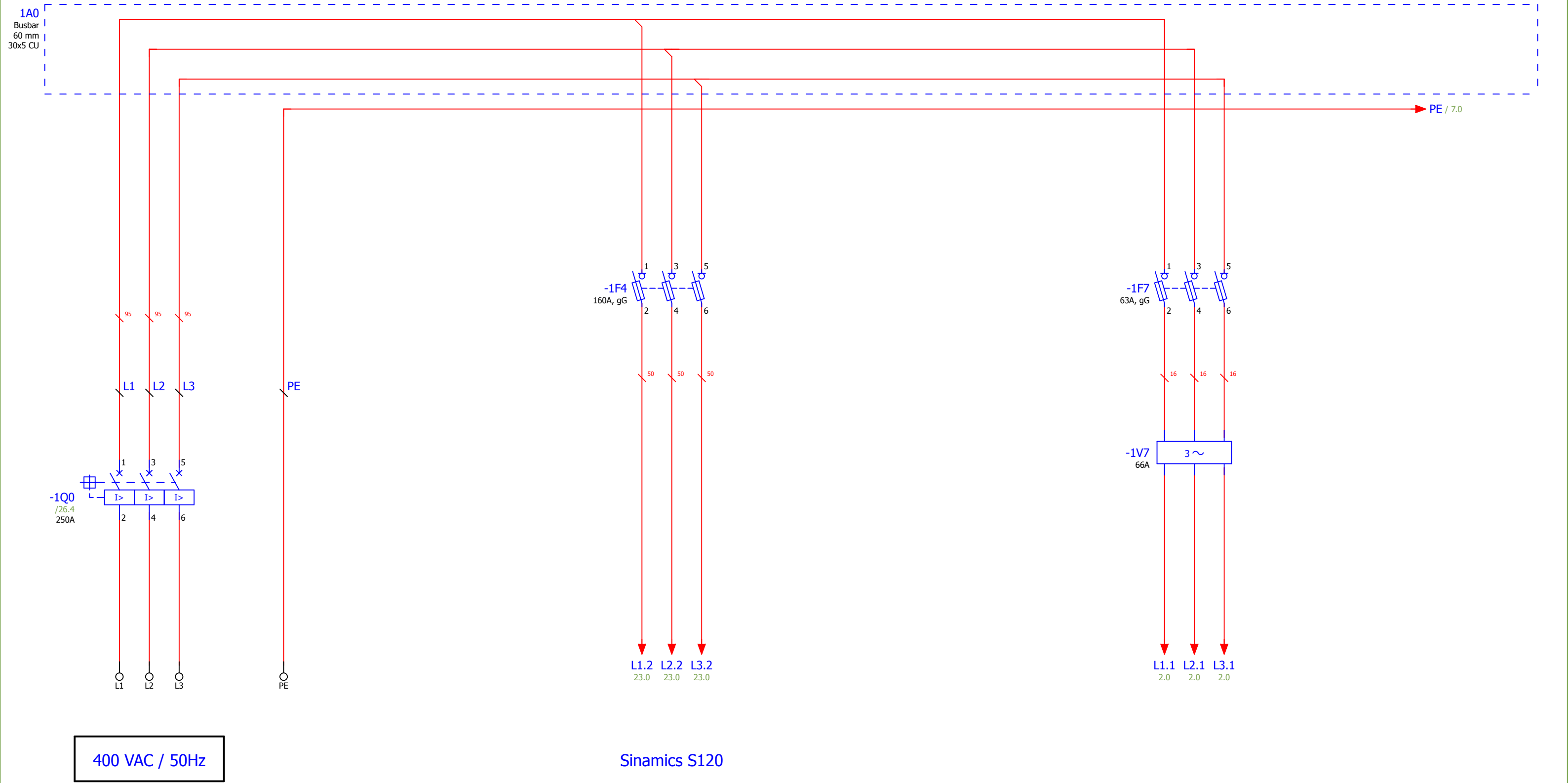
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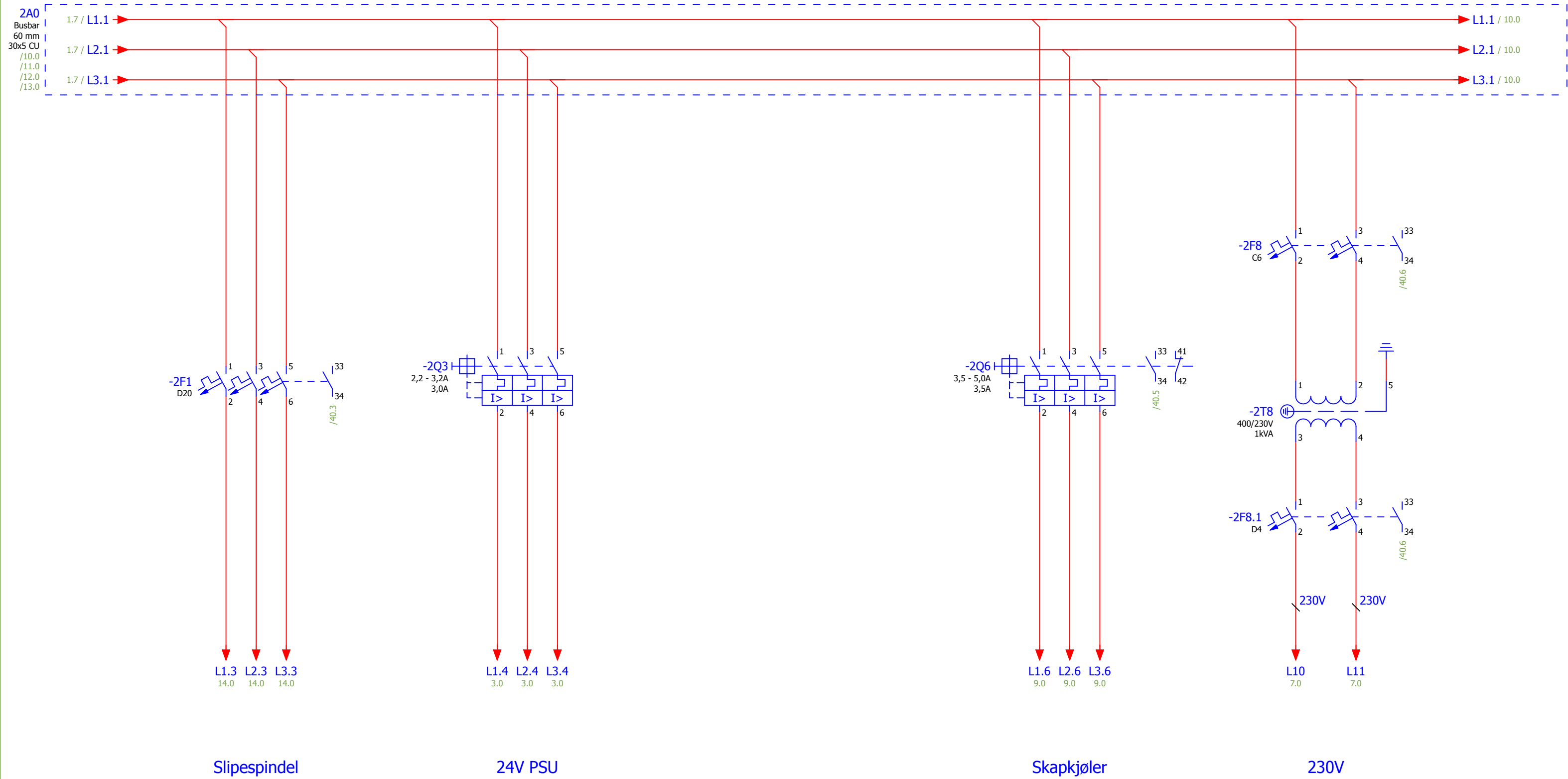
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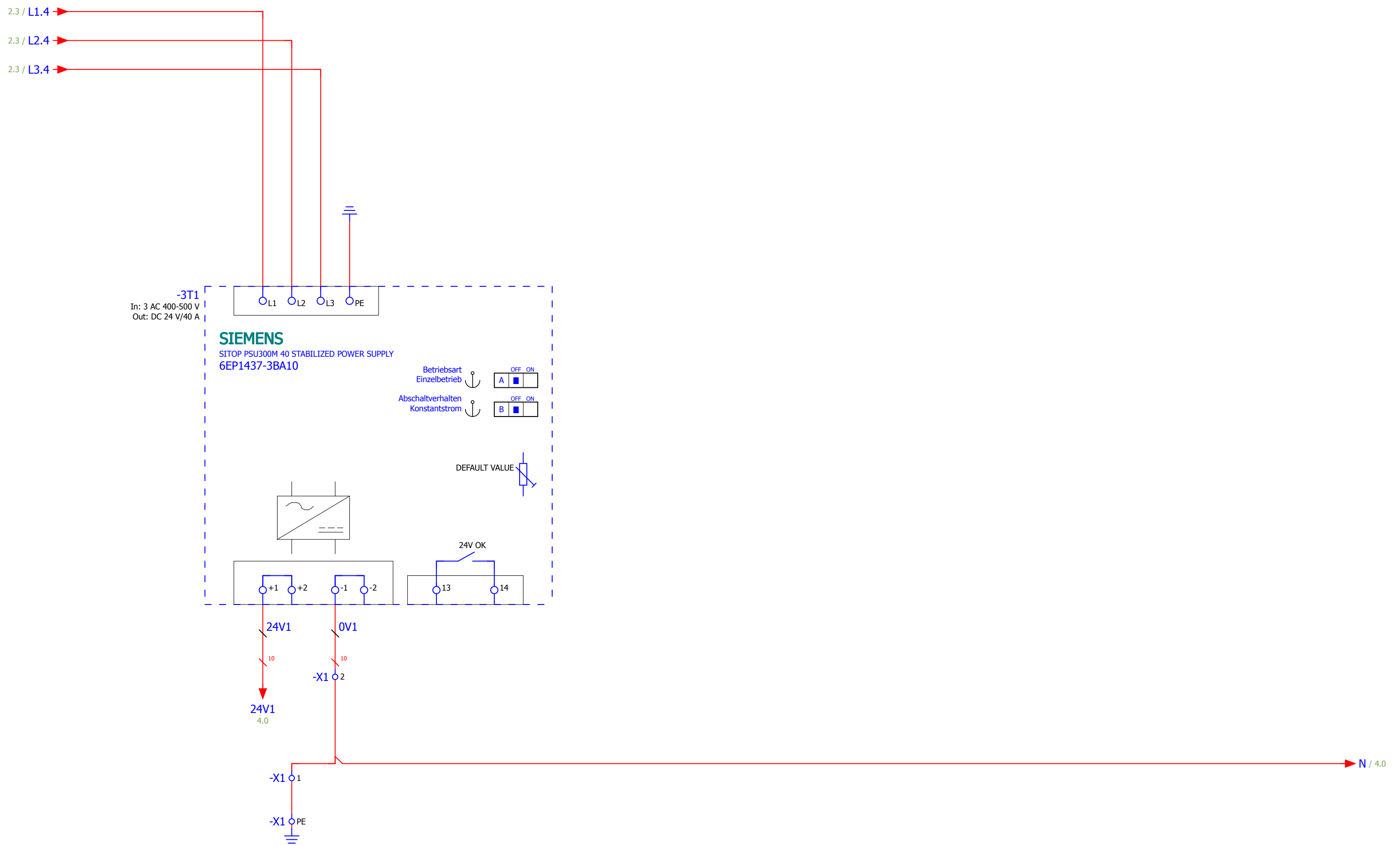
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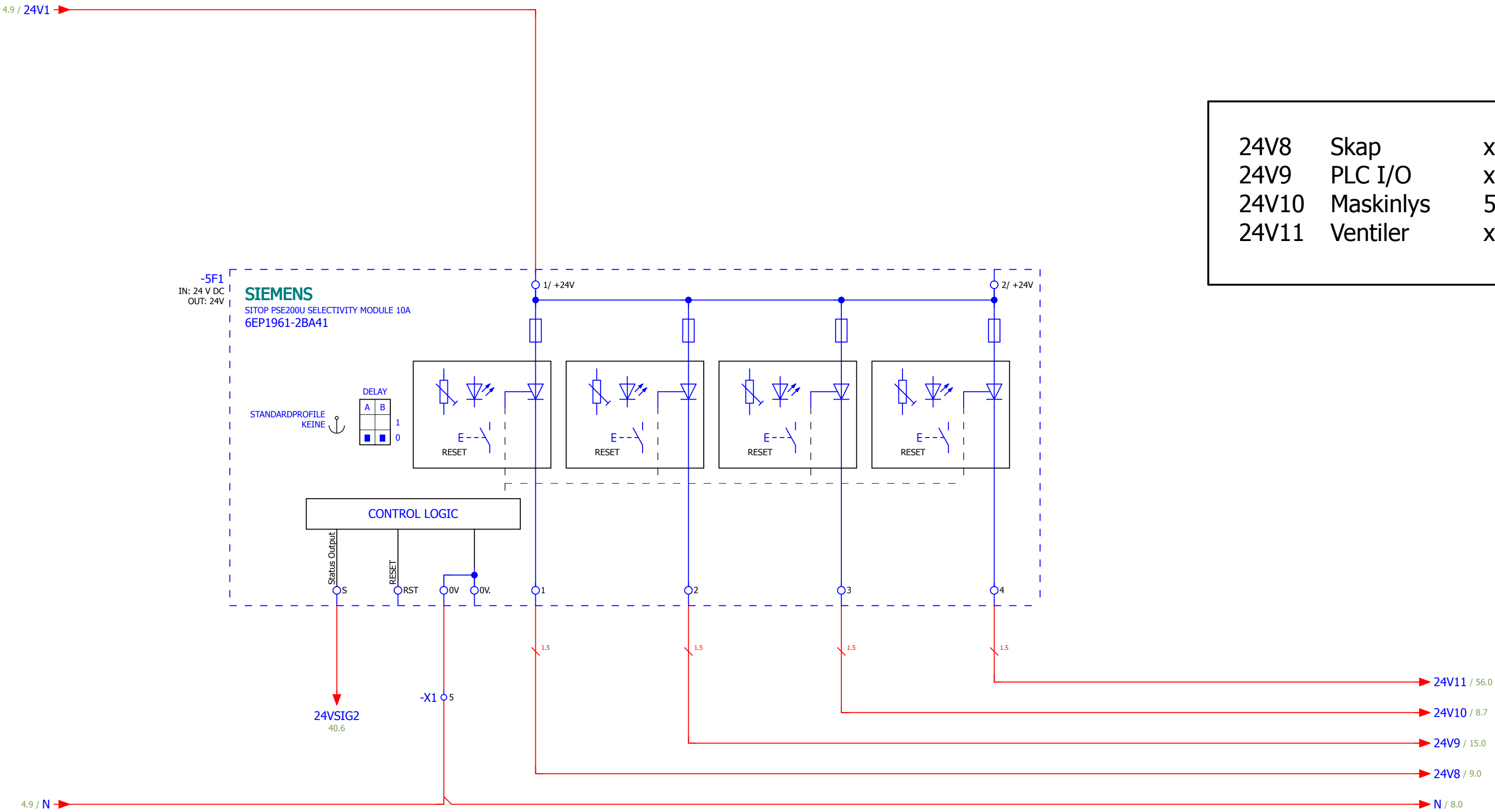
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	ORANSJE	Ekstern Spenning
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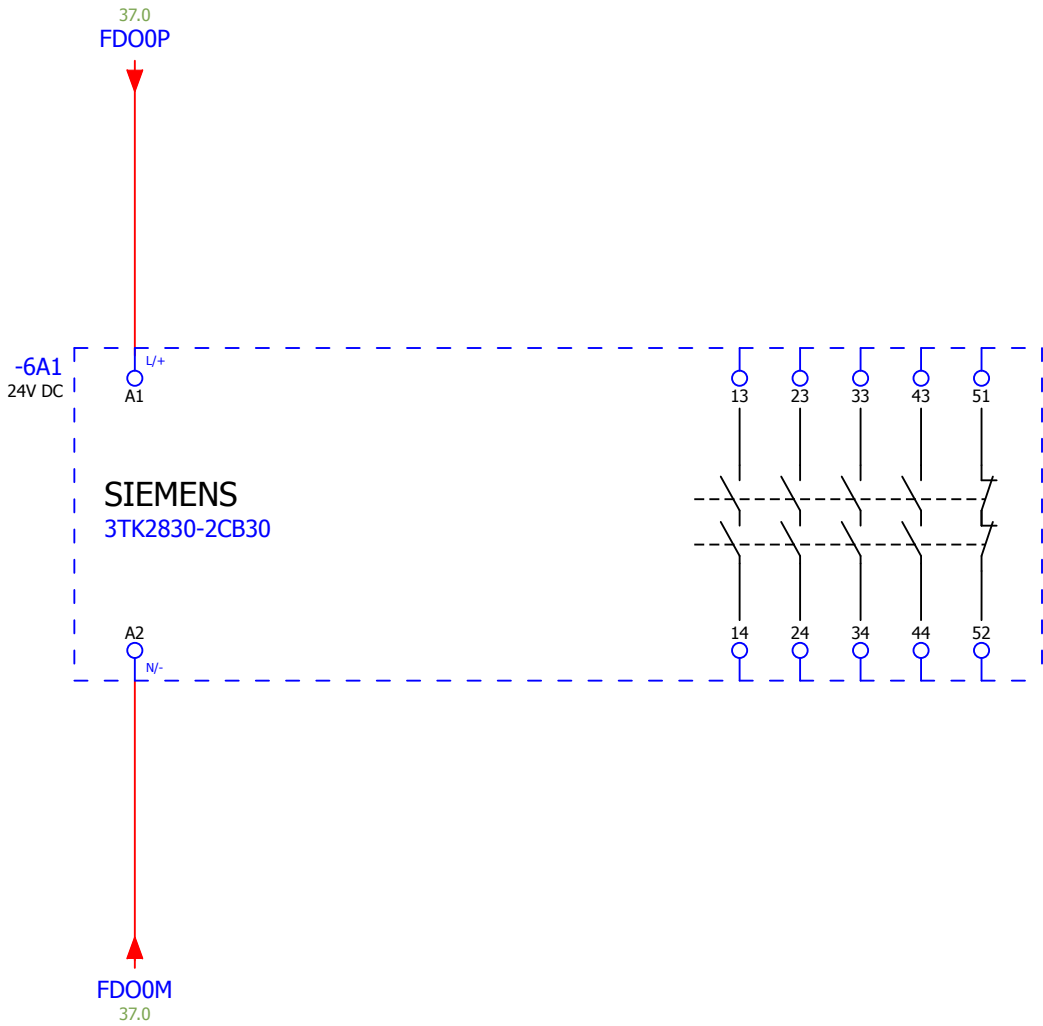
+X1	Hovedskap
+X2	Operatørpanel





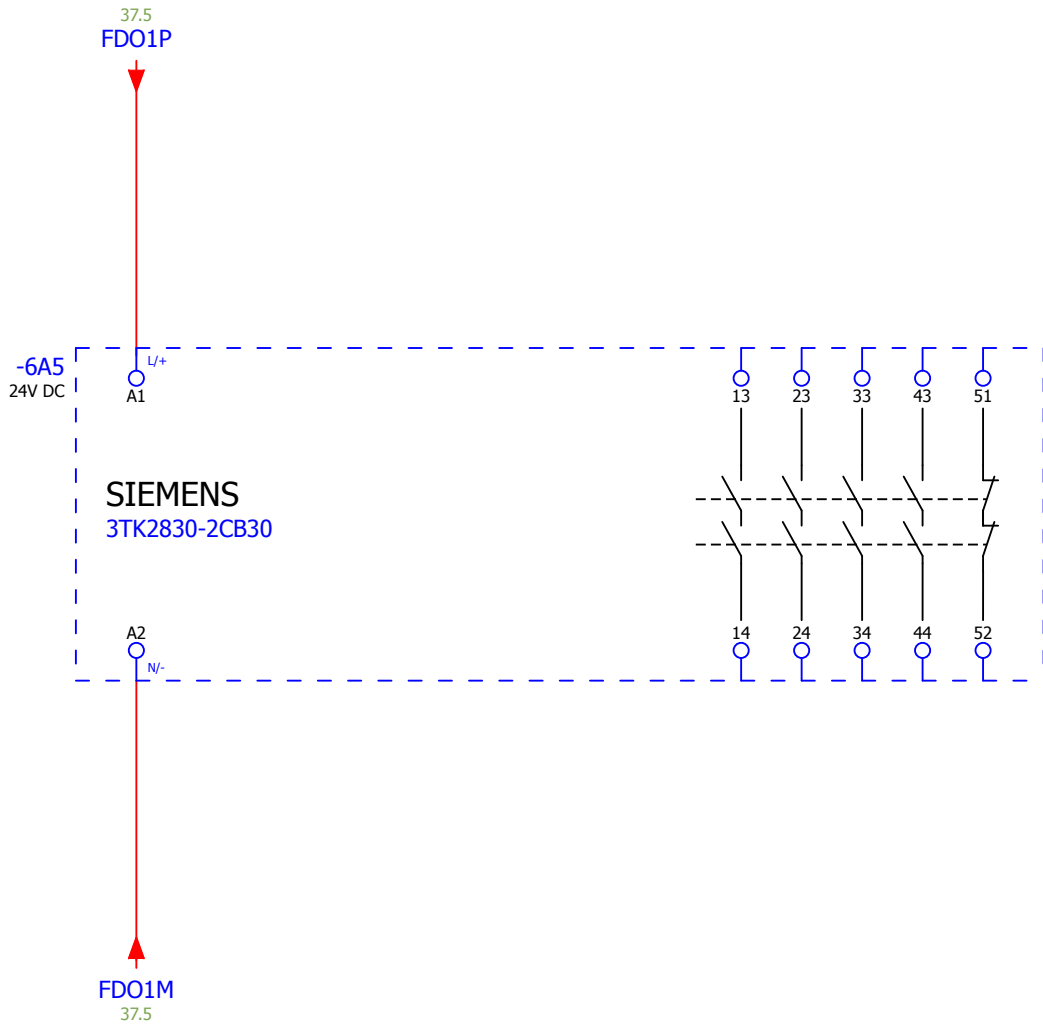






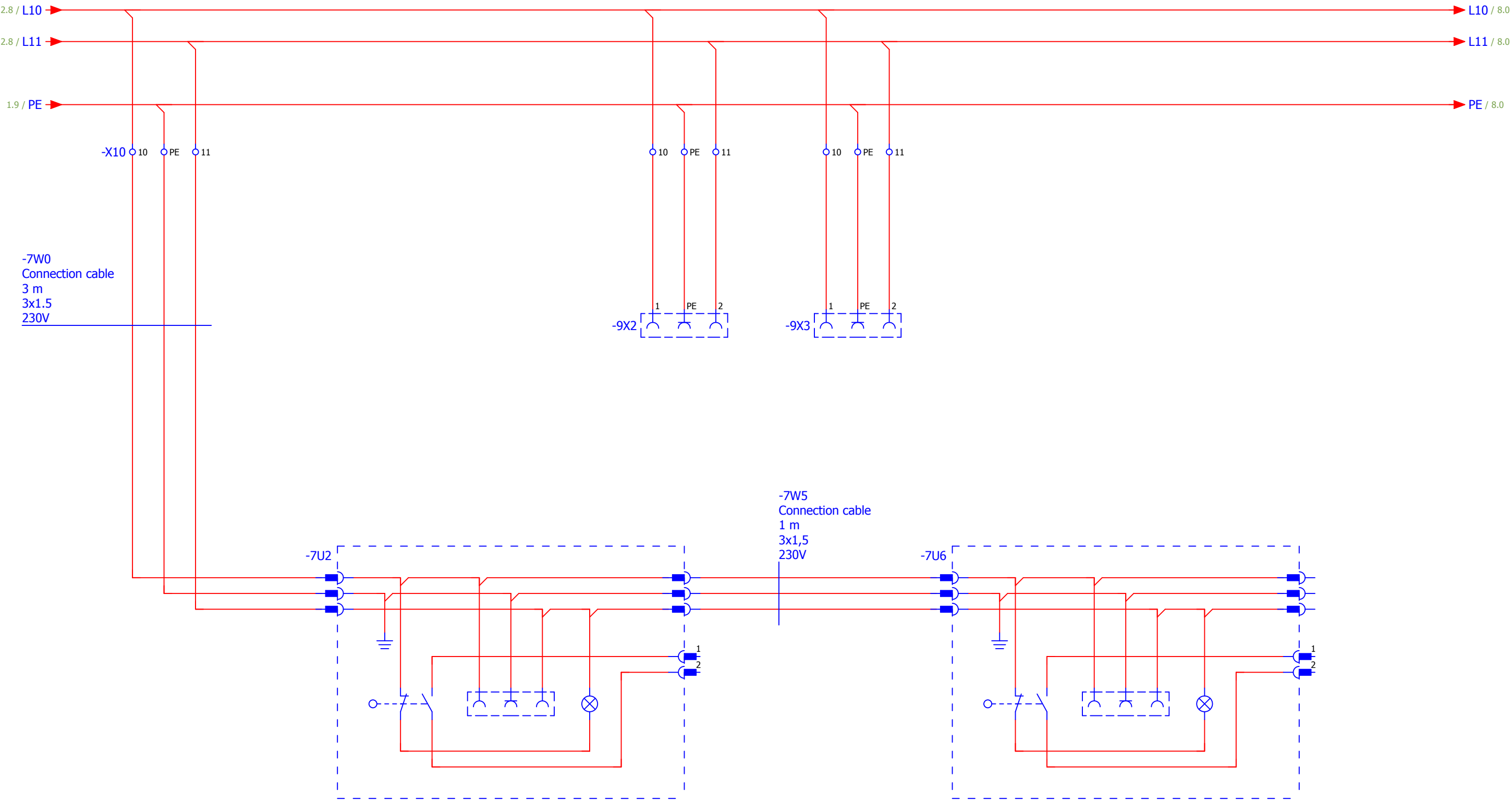
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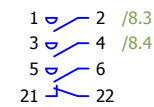
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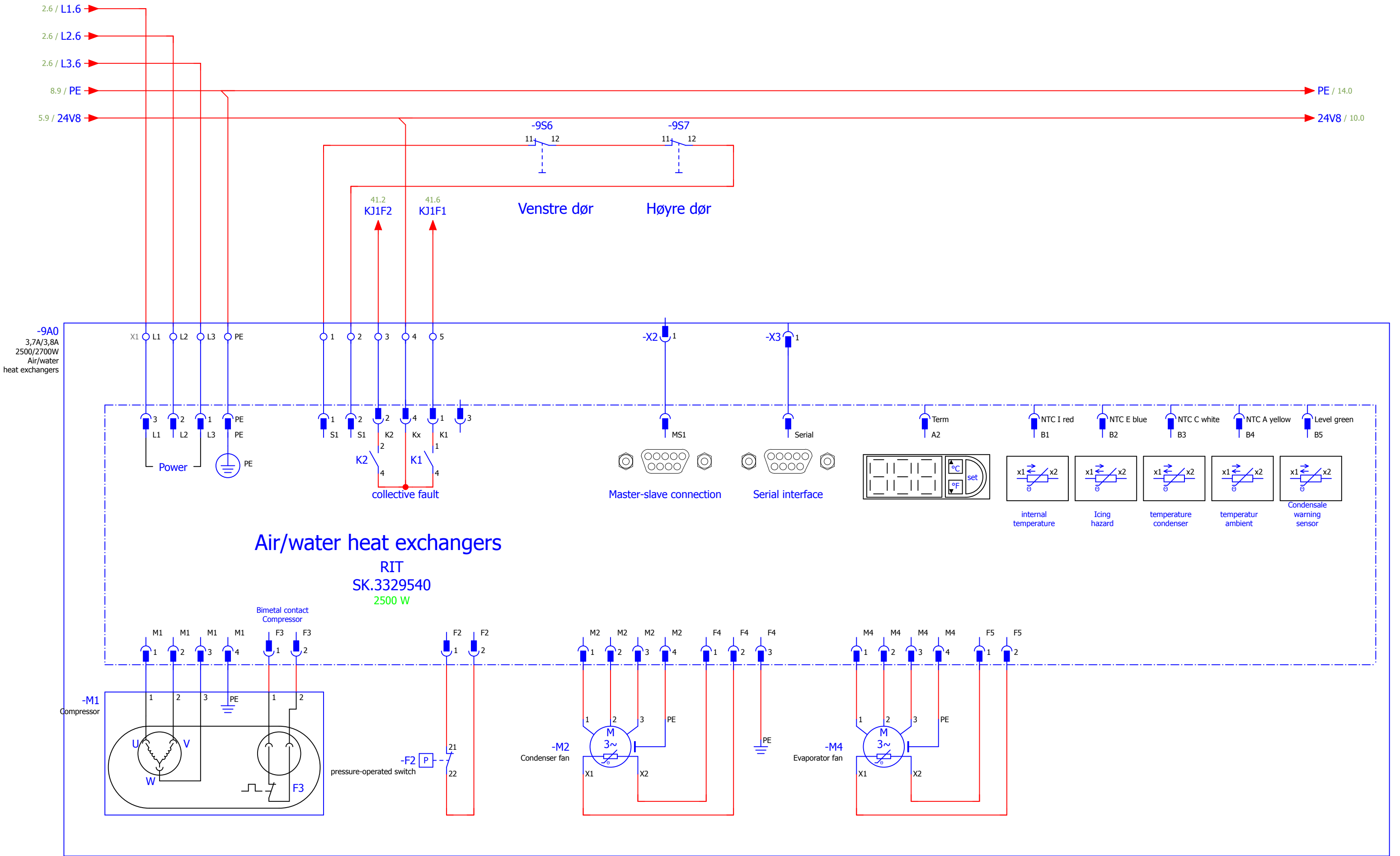


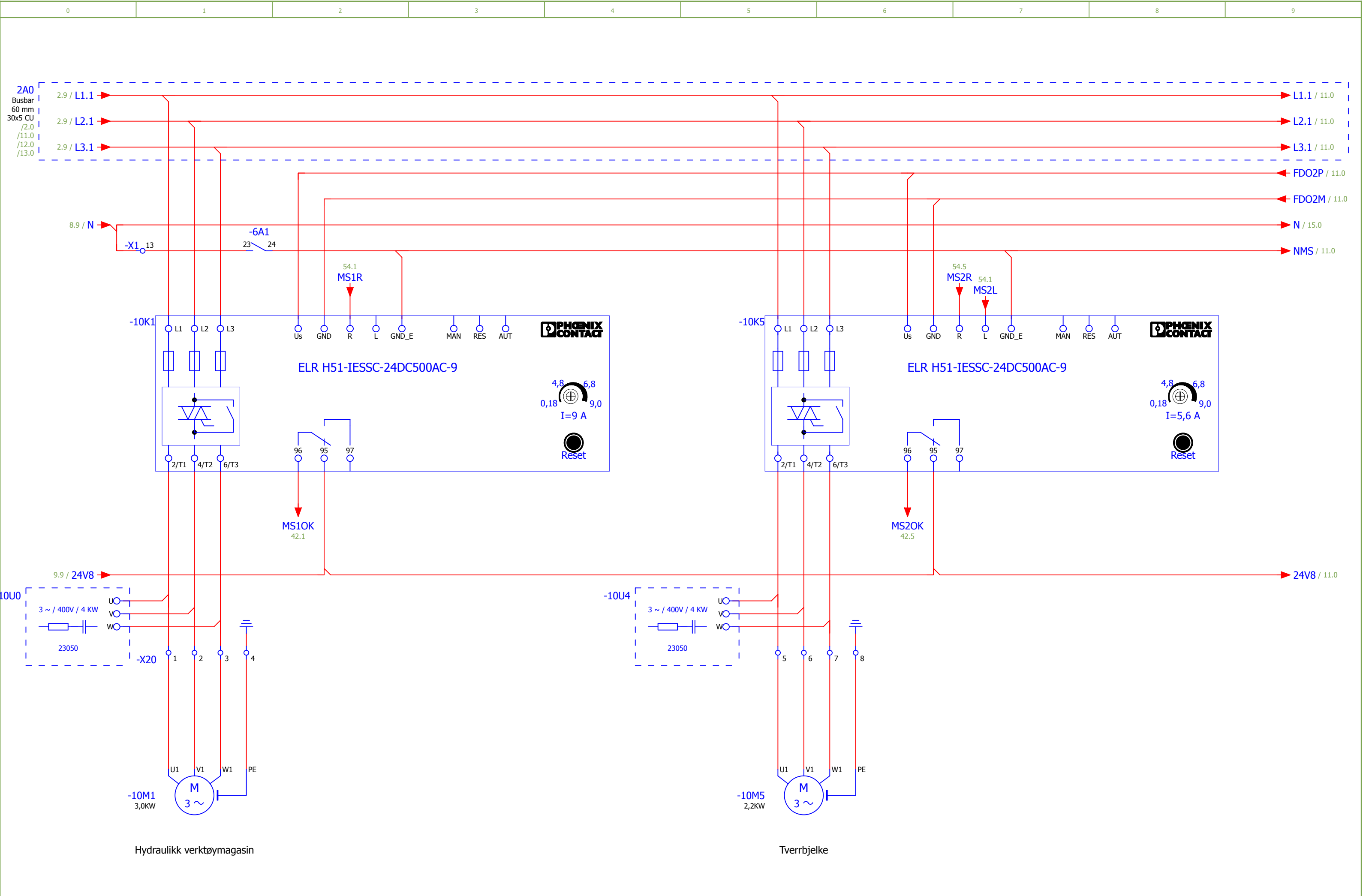
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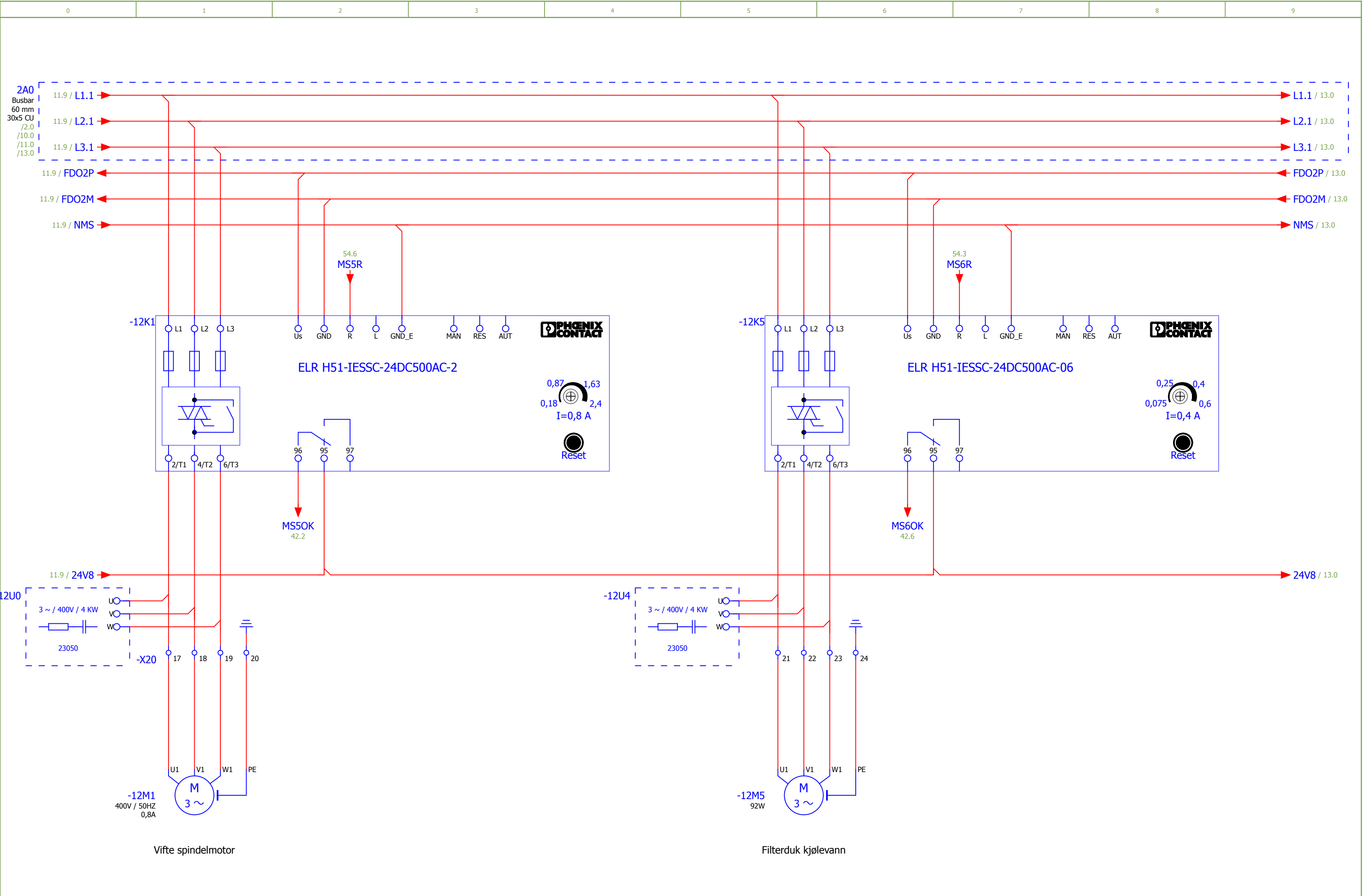




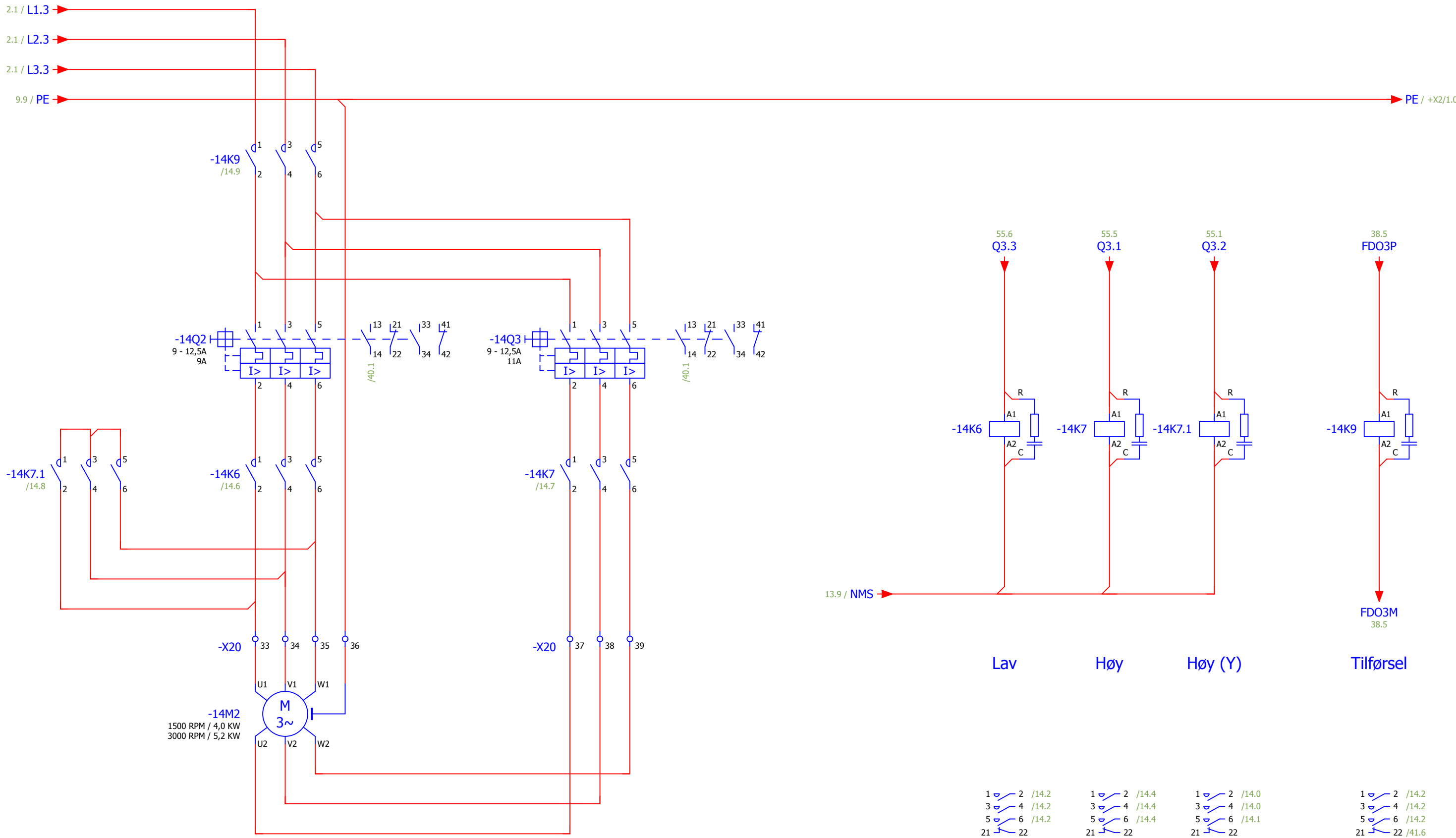


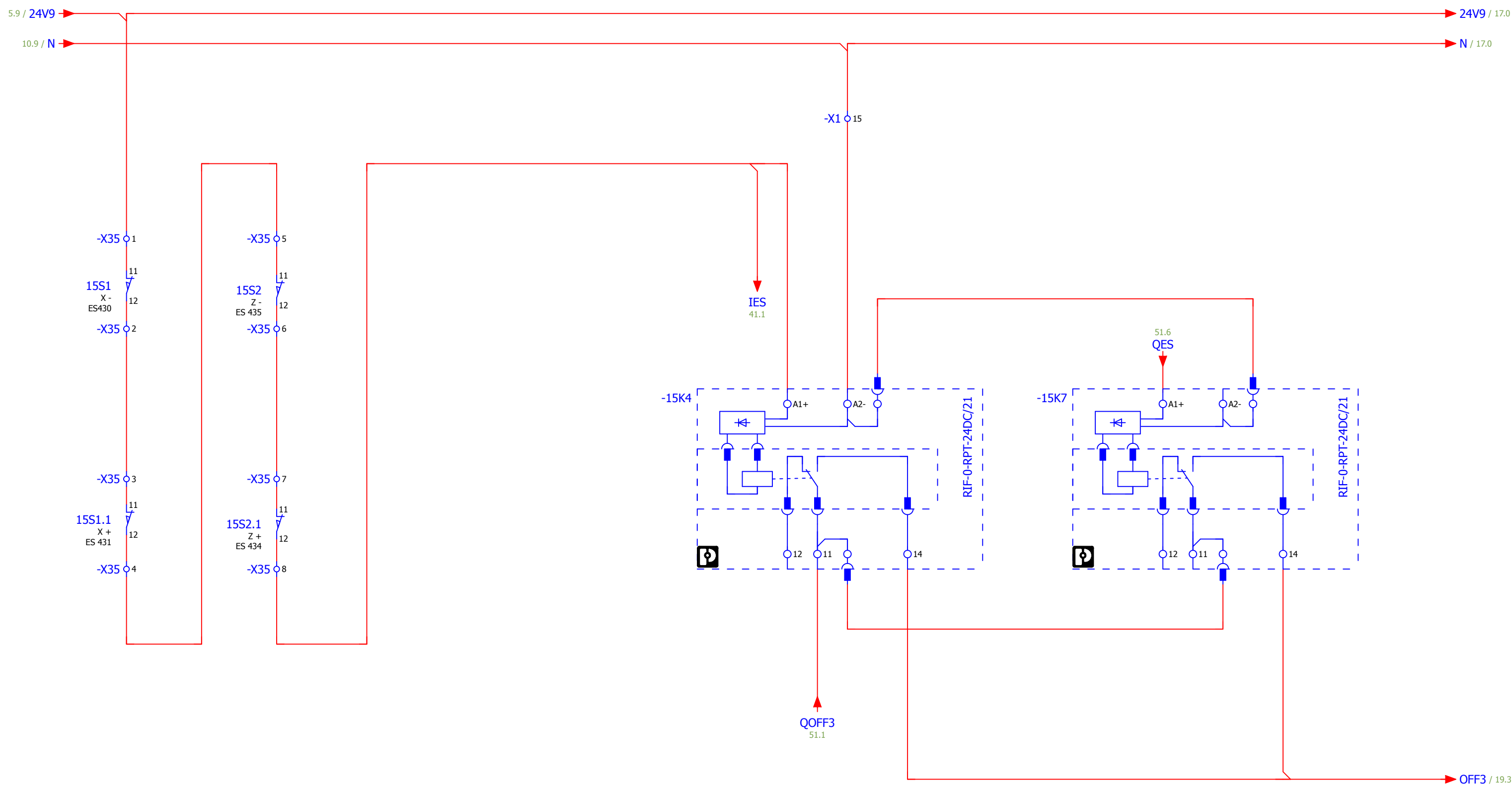


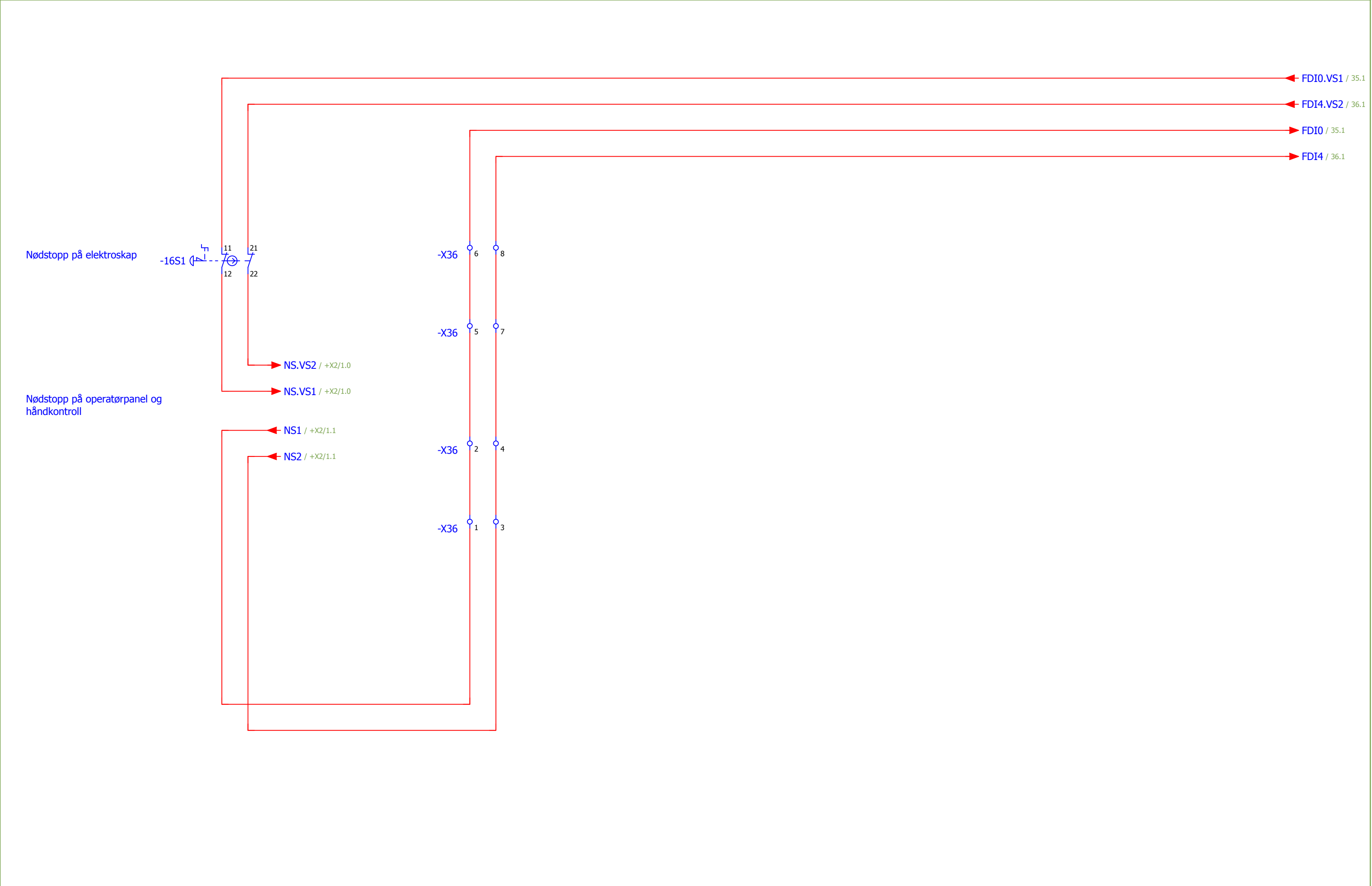


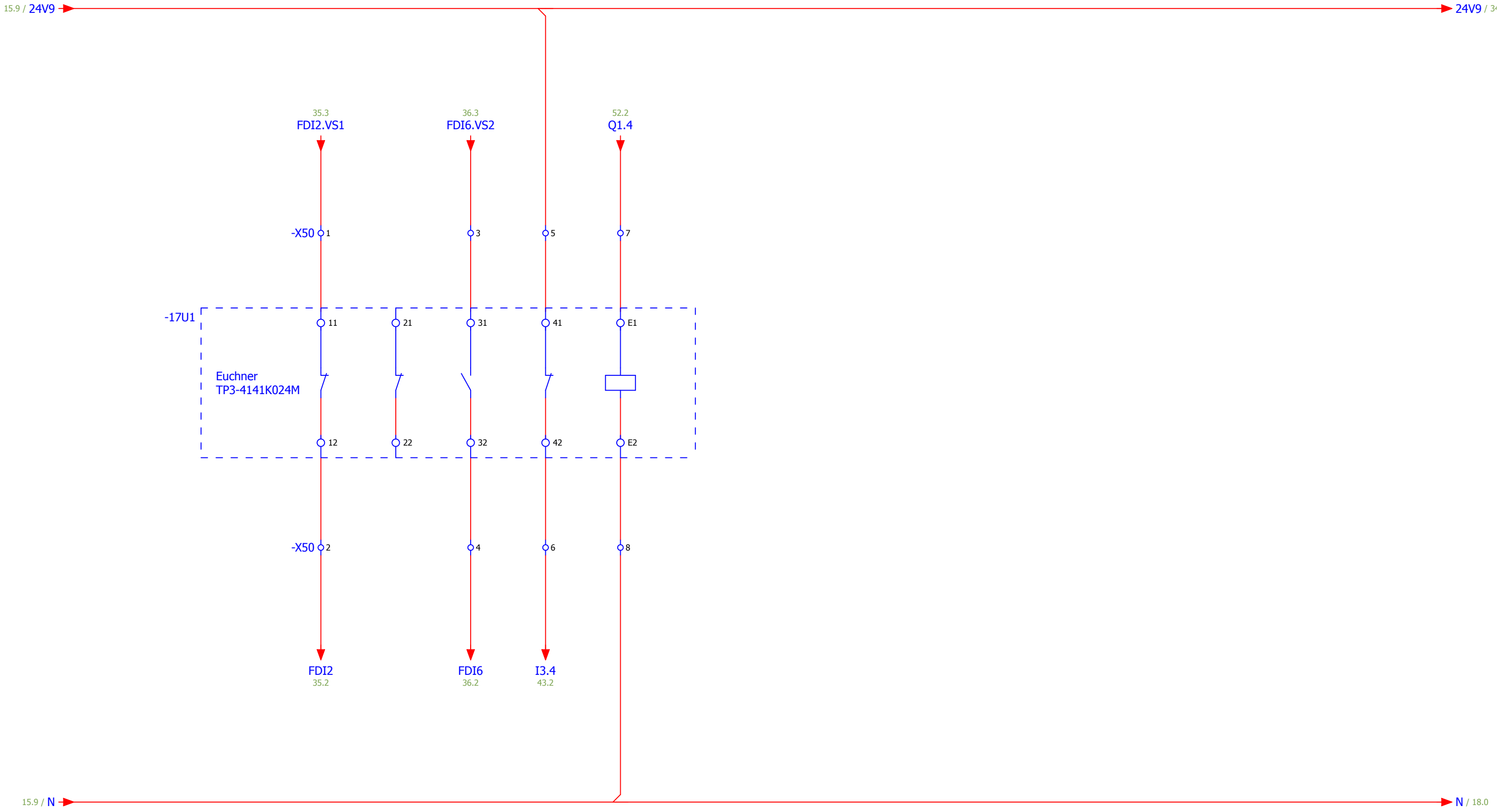


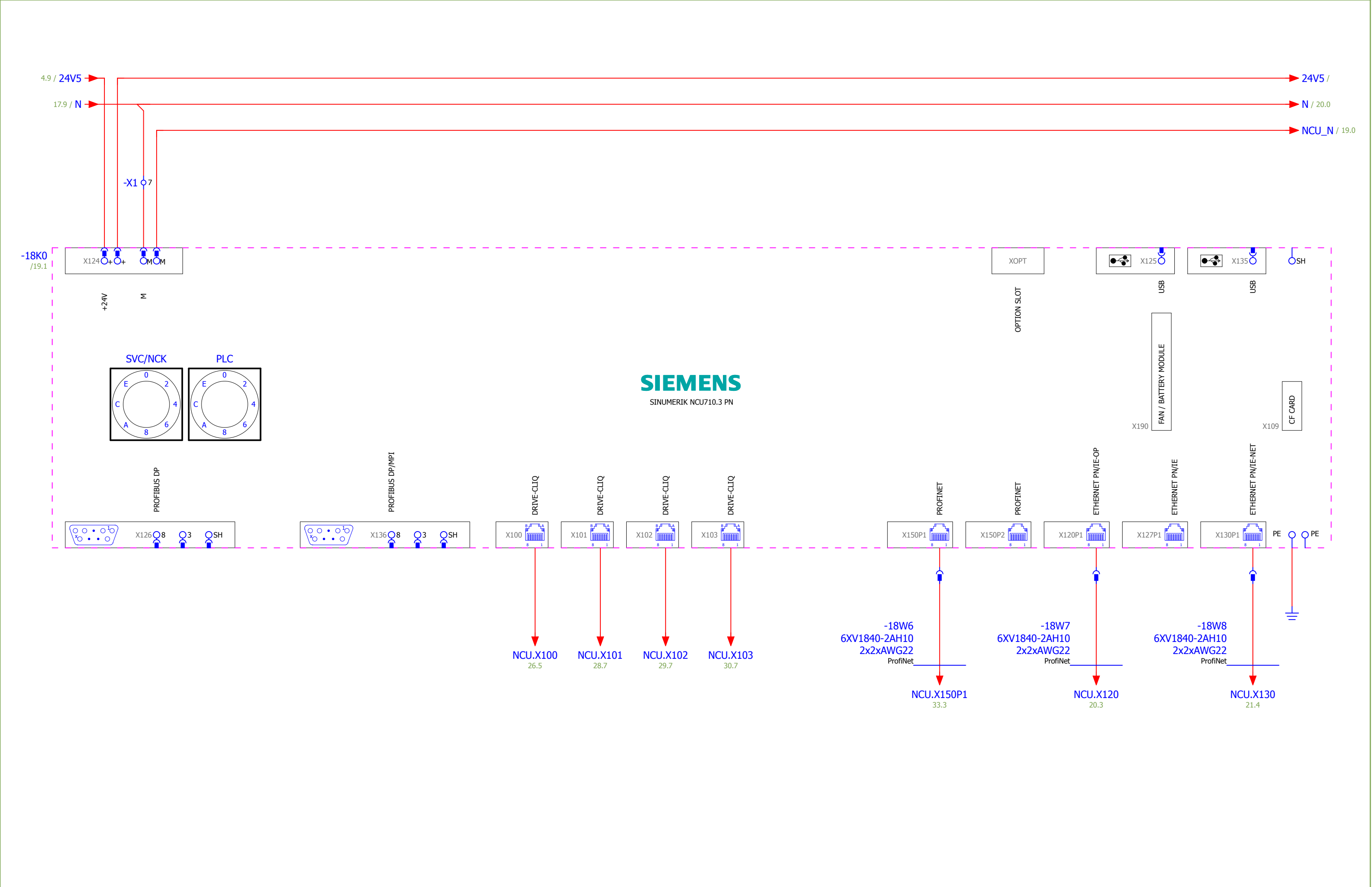


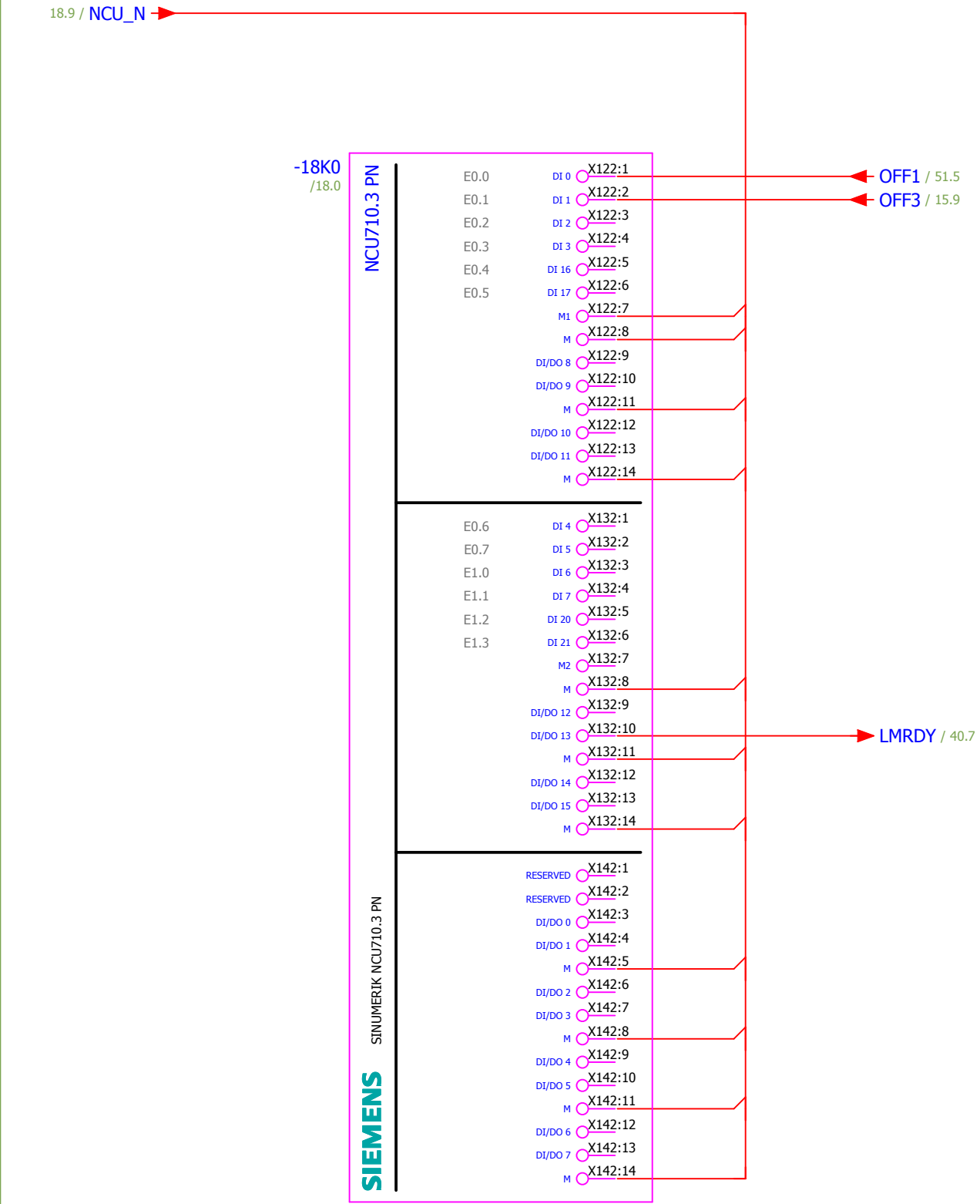










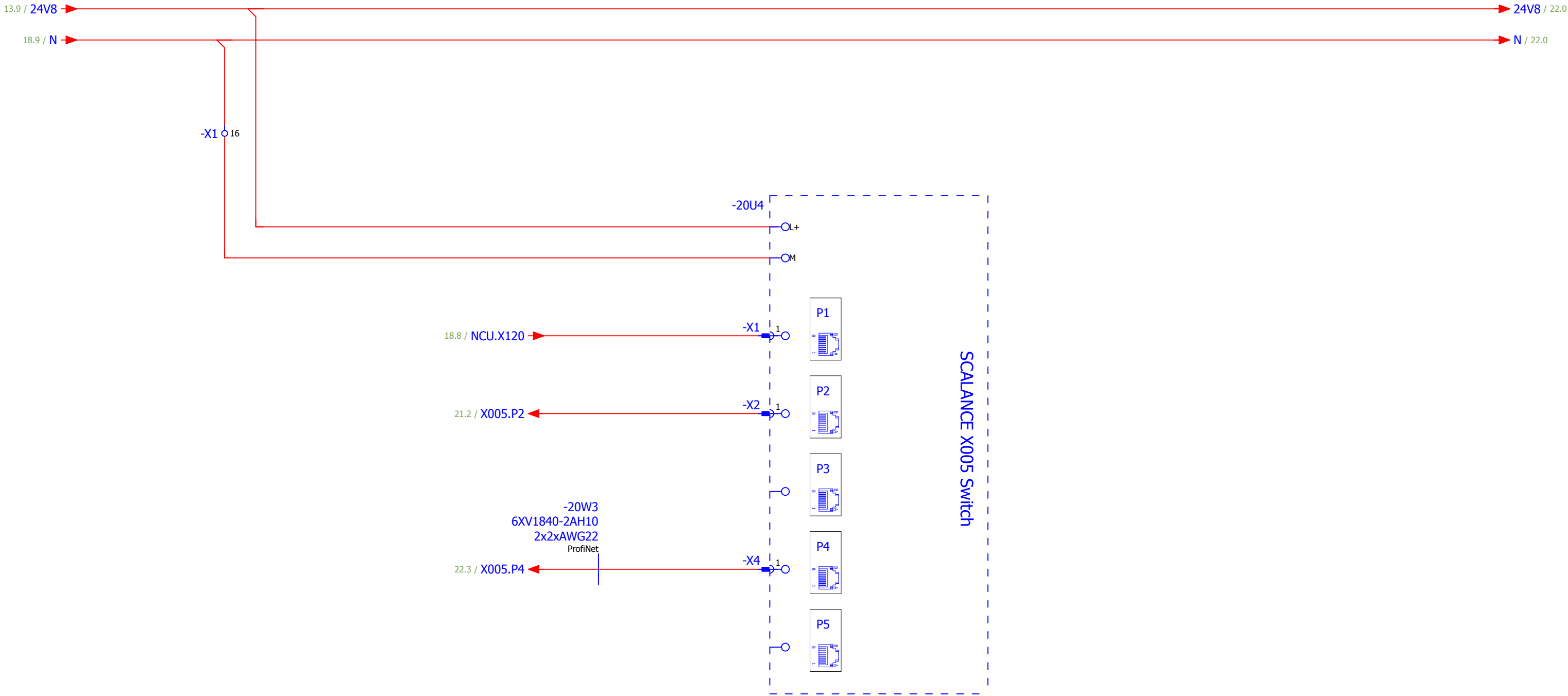


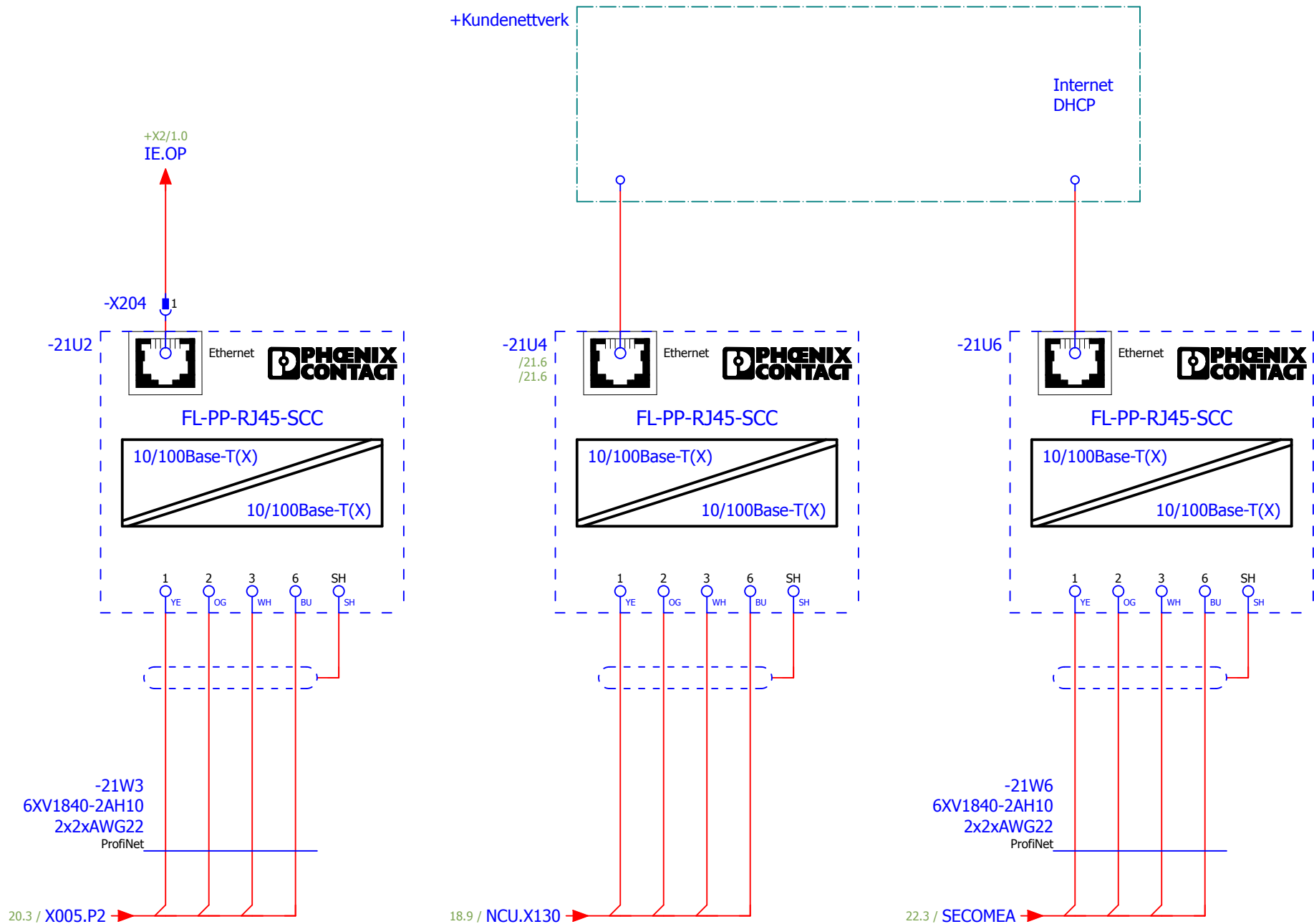
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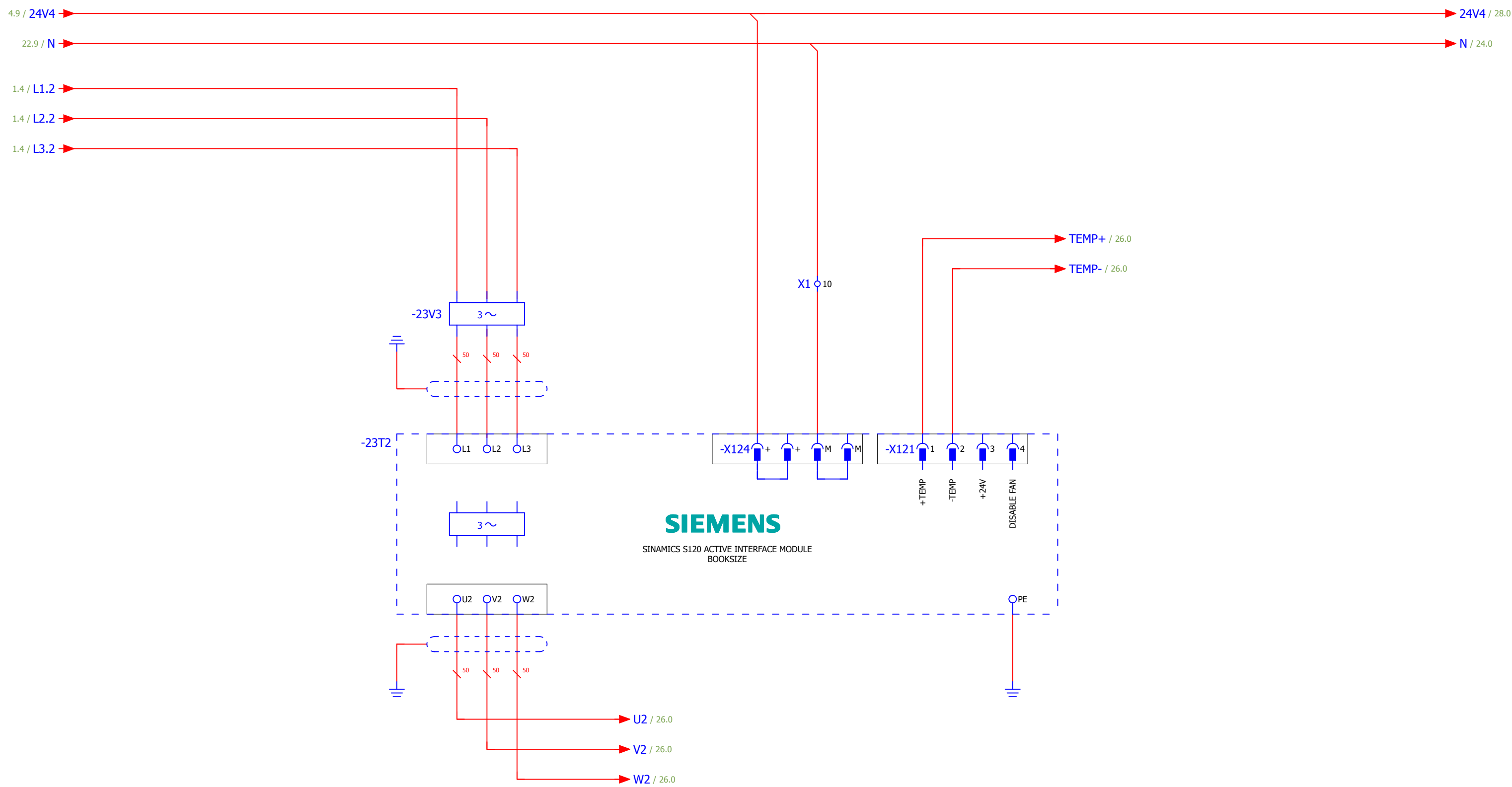


Operatørpanel

Kundenettverk

Fjerndiagnose





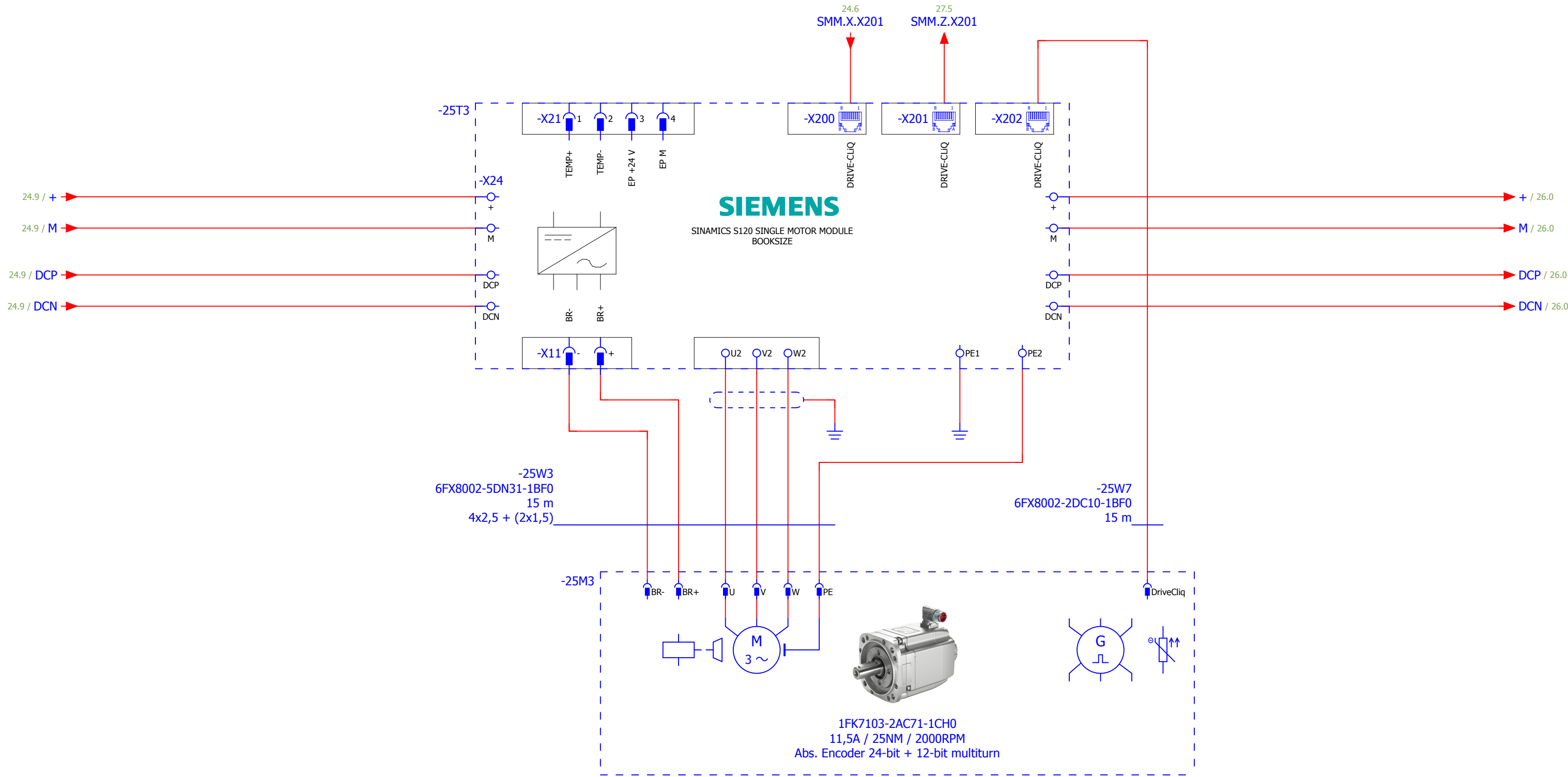
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Servo Z

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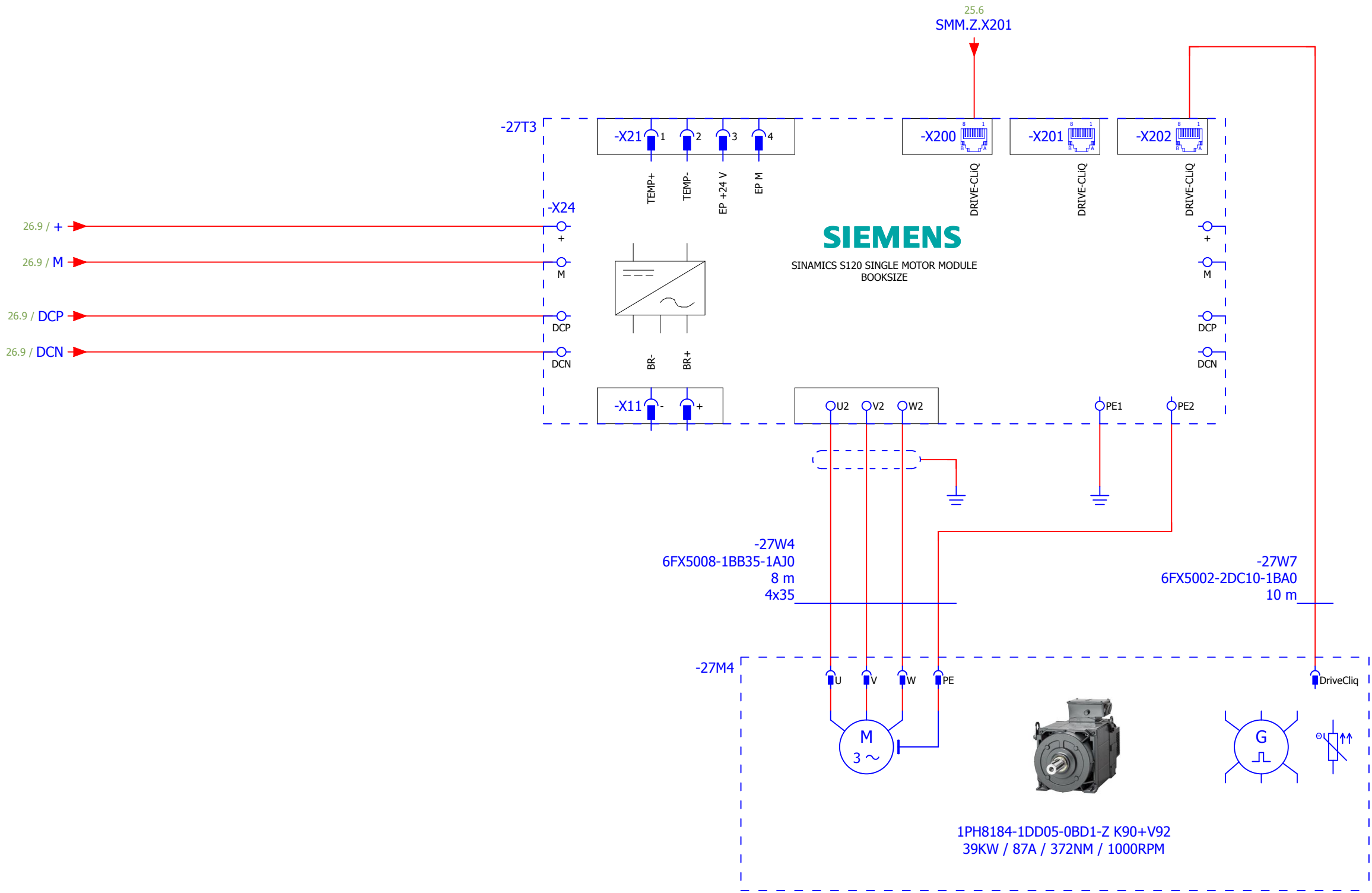
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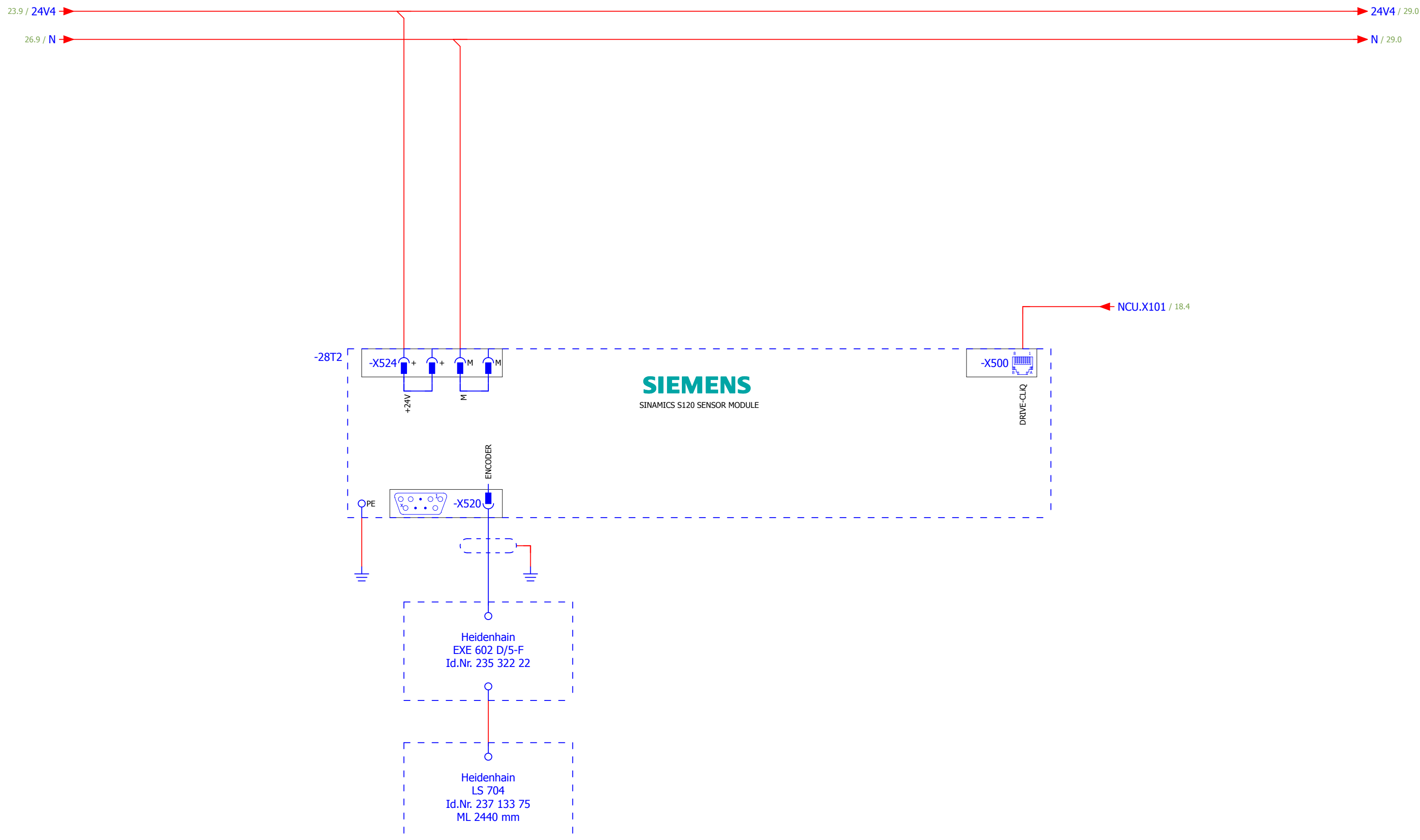
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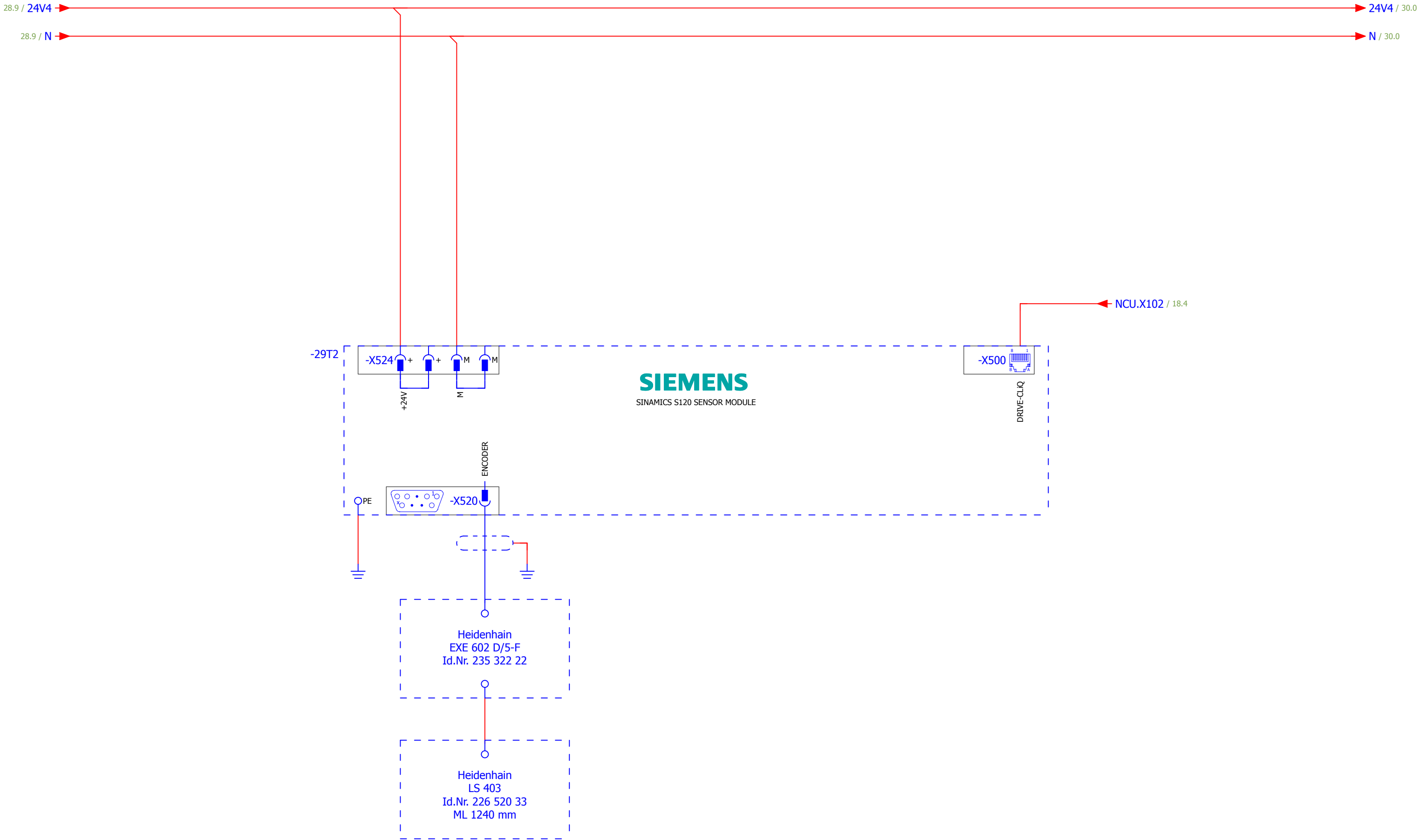


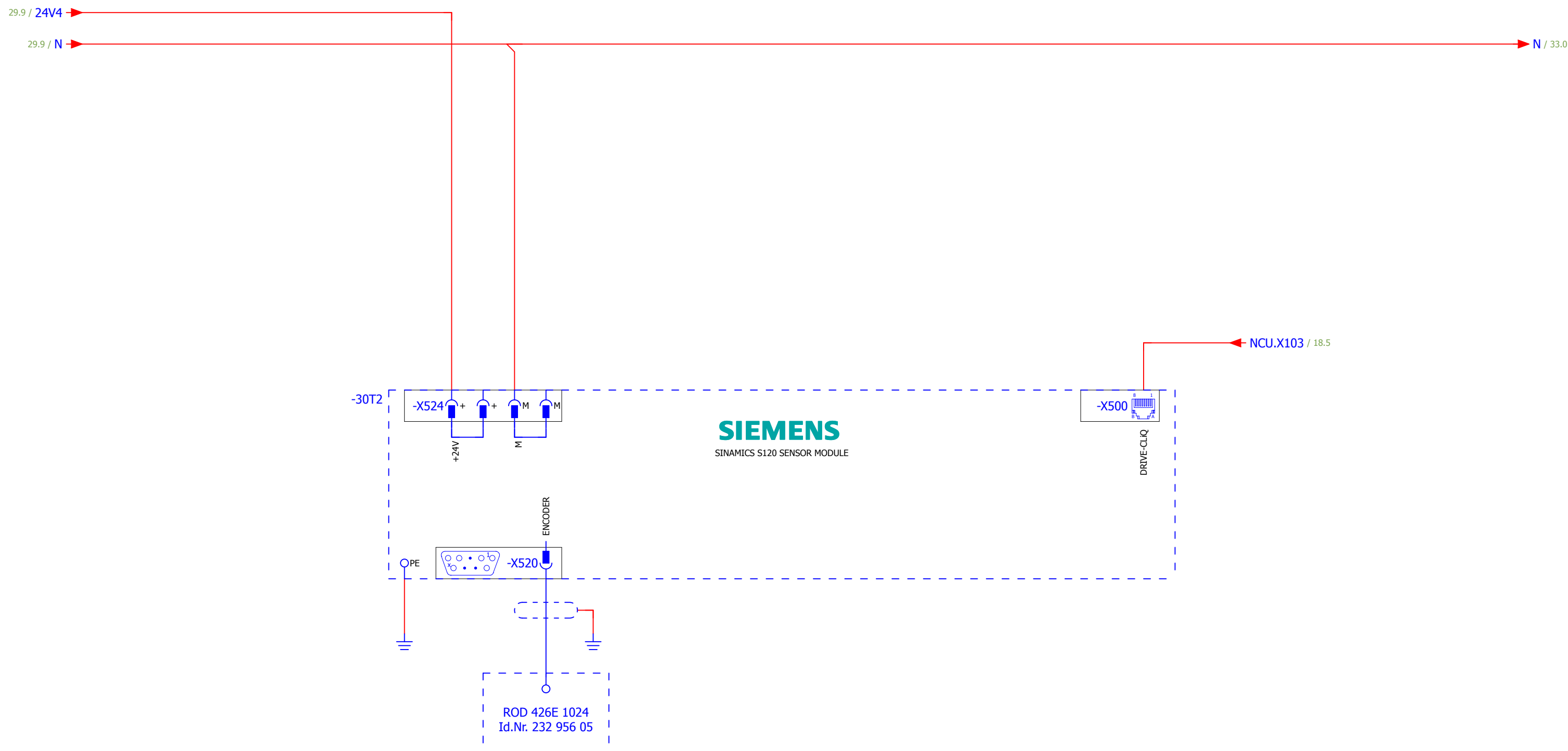
Servo S

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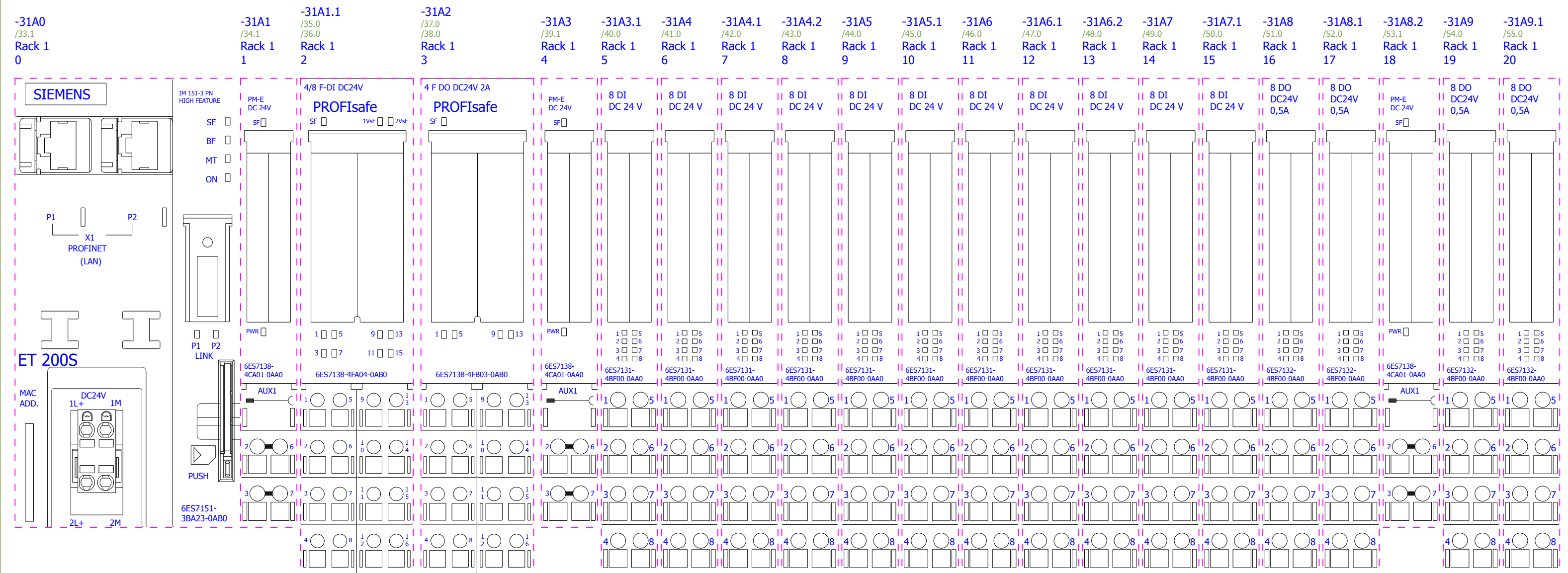


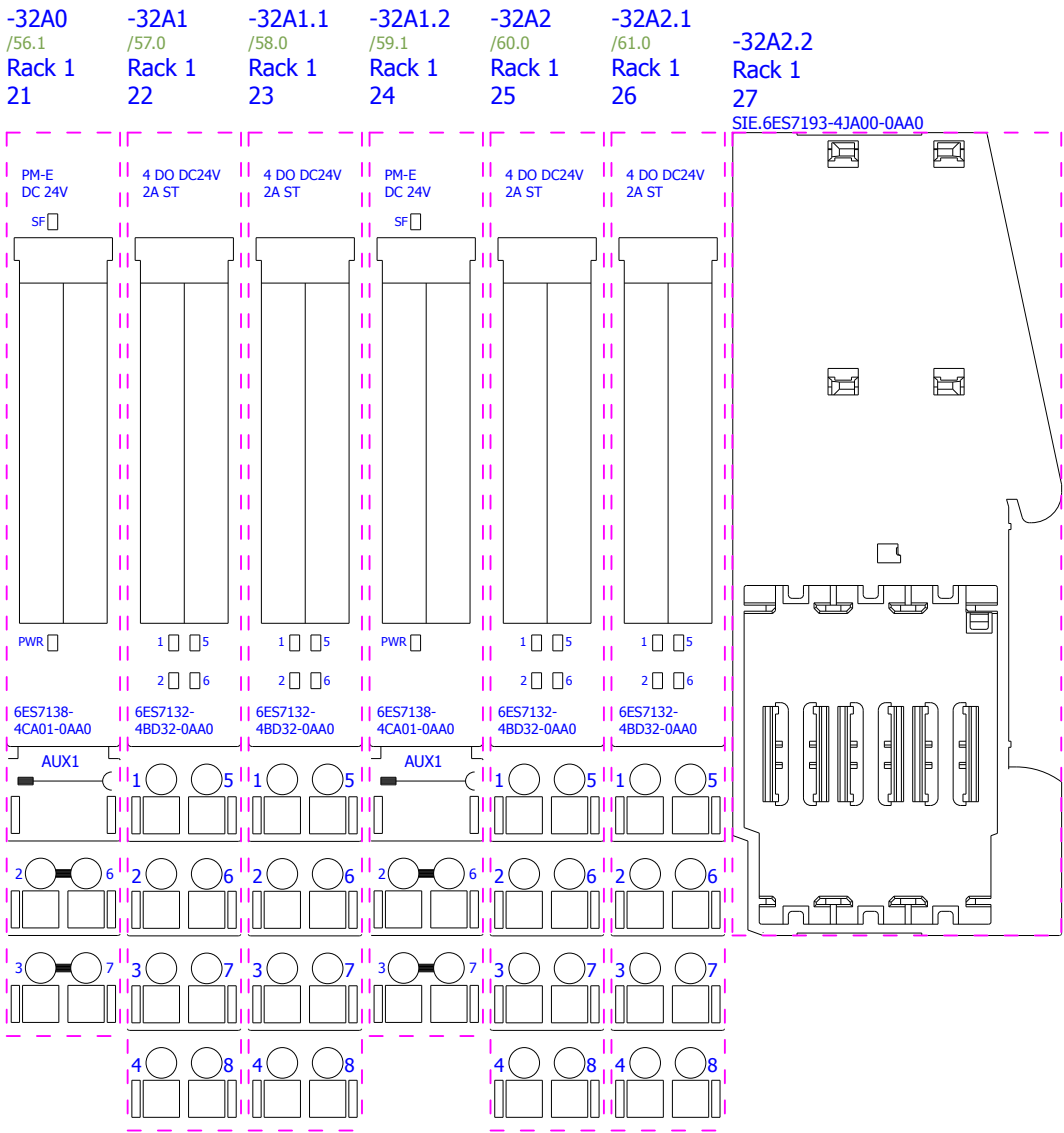






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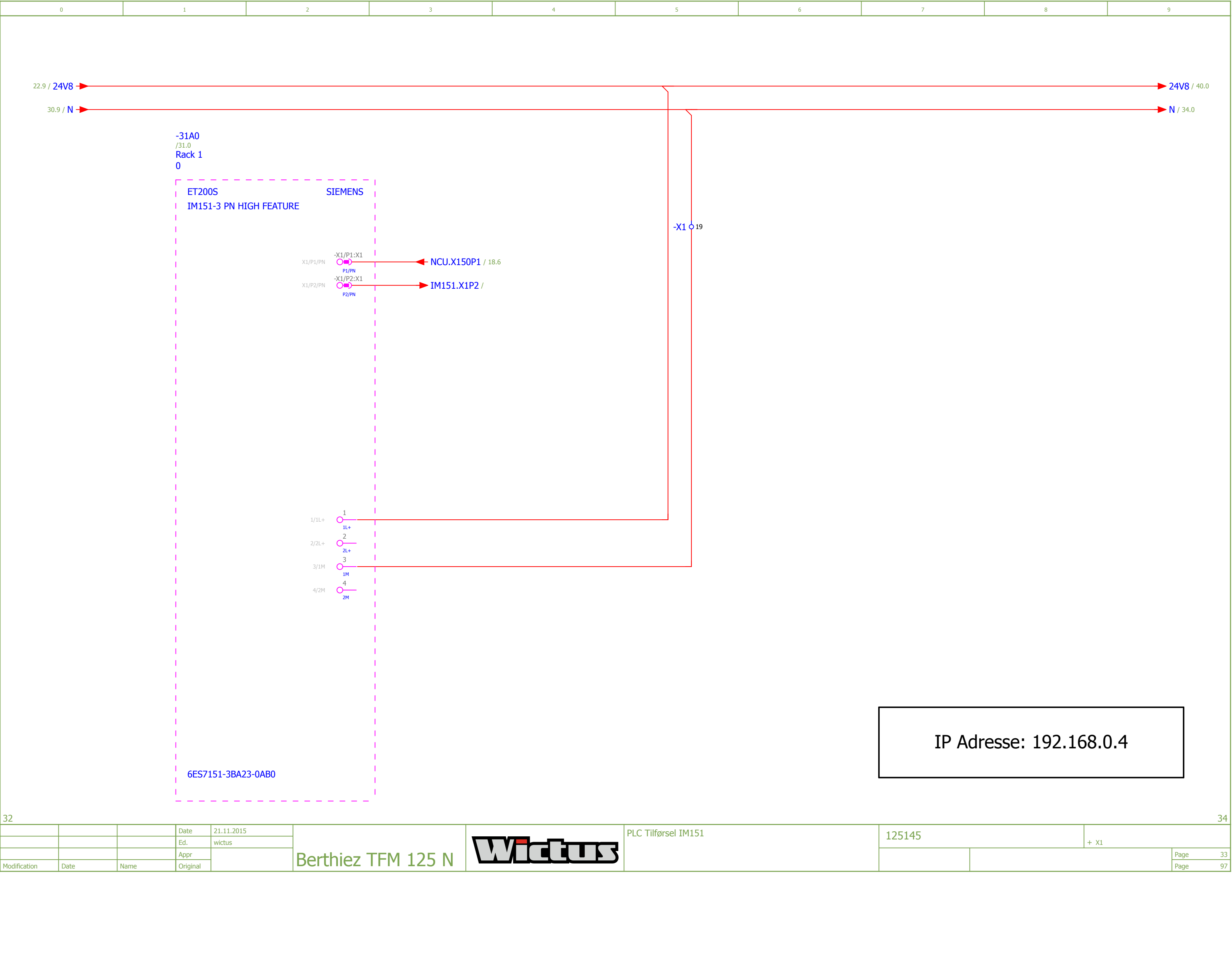
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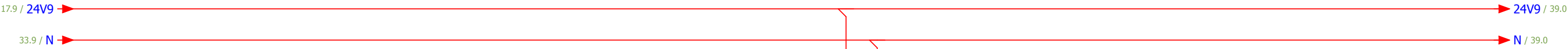
Berthiez TFM 125 N



PLC Oversikt

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-31A1
/31.1
Rack 1
1

ET200S
PM-E DC 24V

SIEMENS



2/DC24V

2

DC24V

3/M

3

M



6/DC24V

6

DC24V

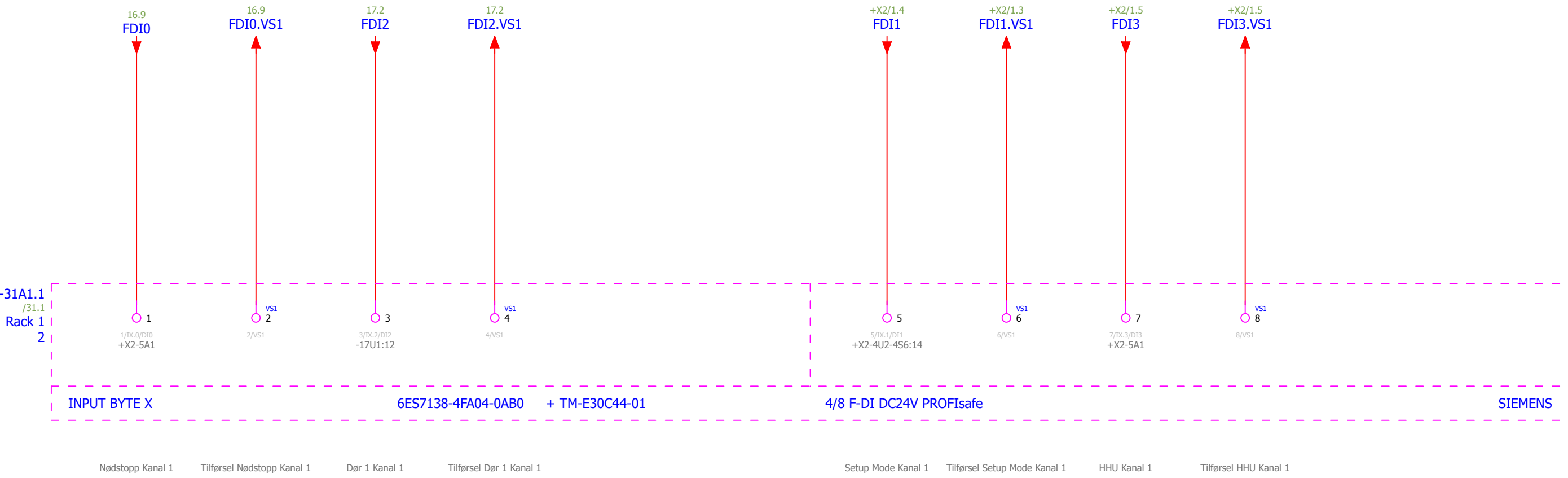
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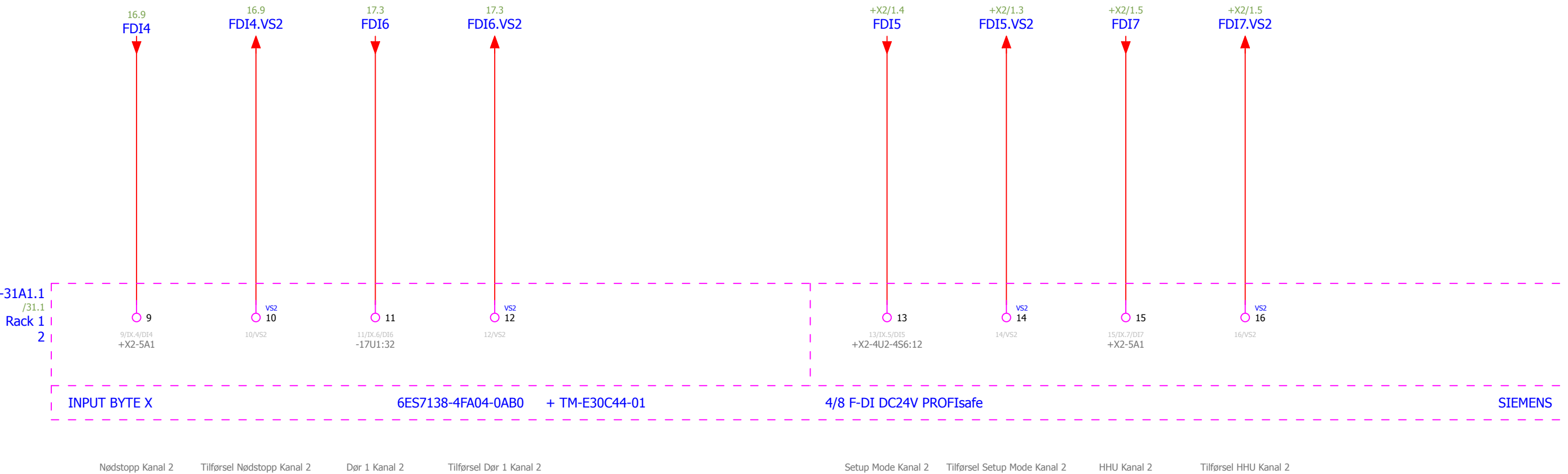
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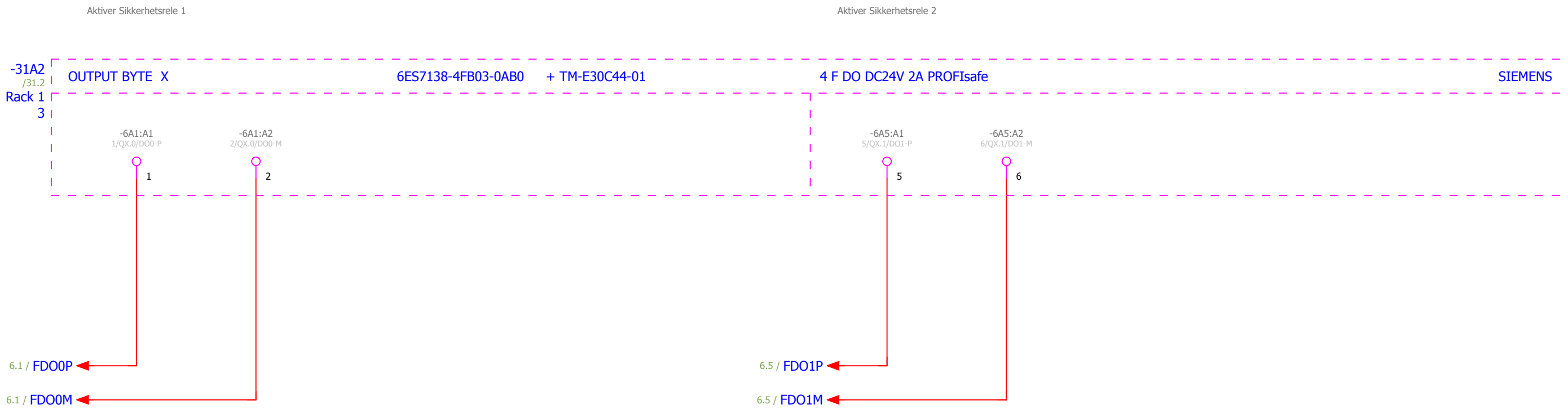
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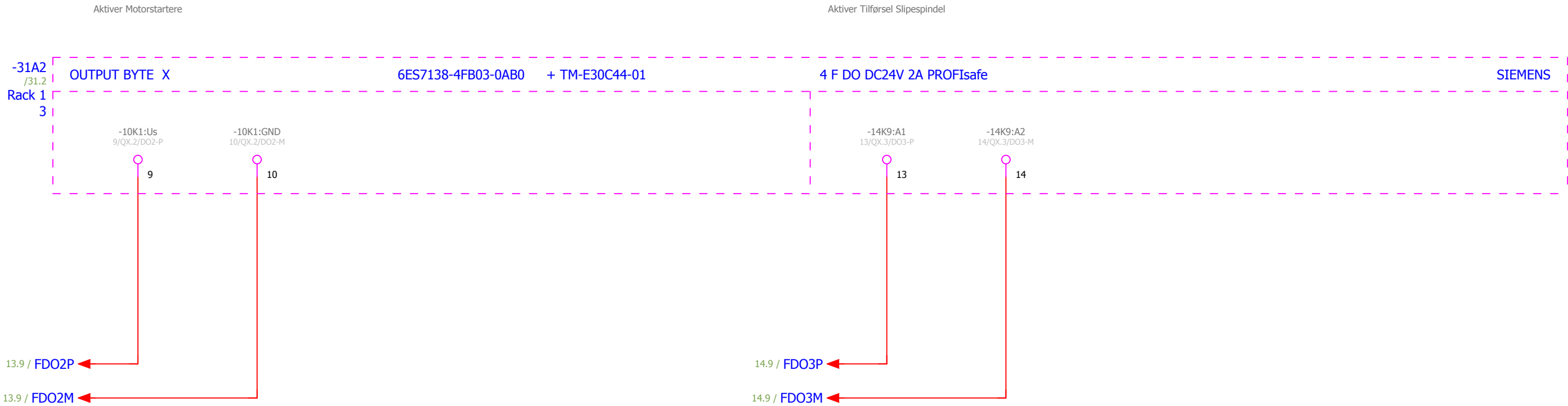


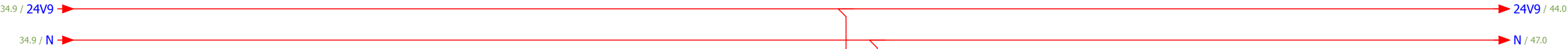
PLC Fail-Safe Innganger

125145

+ X1







-31A3
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Rack 1
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ET200S
PM-E DC 24V

SIEMENS



2/DC24V

2

DC24V

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M

3/M



6/DC24V

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DC24V

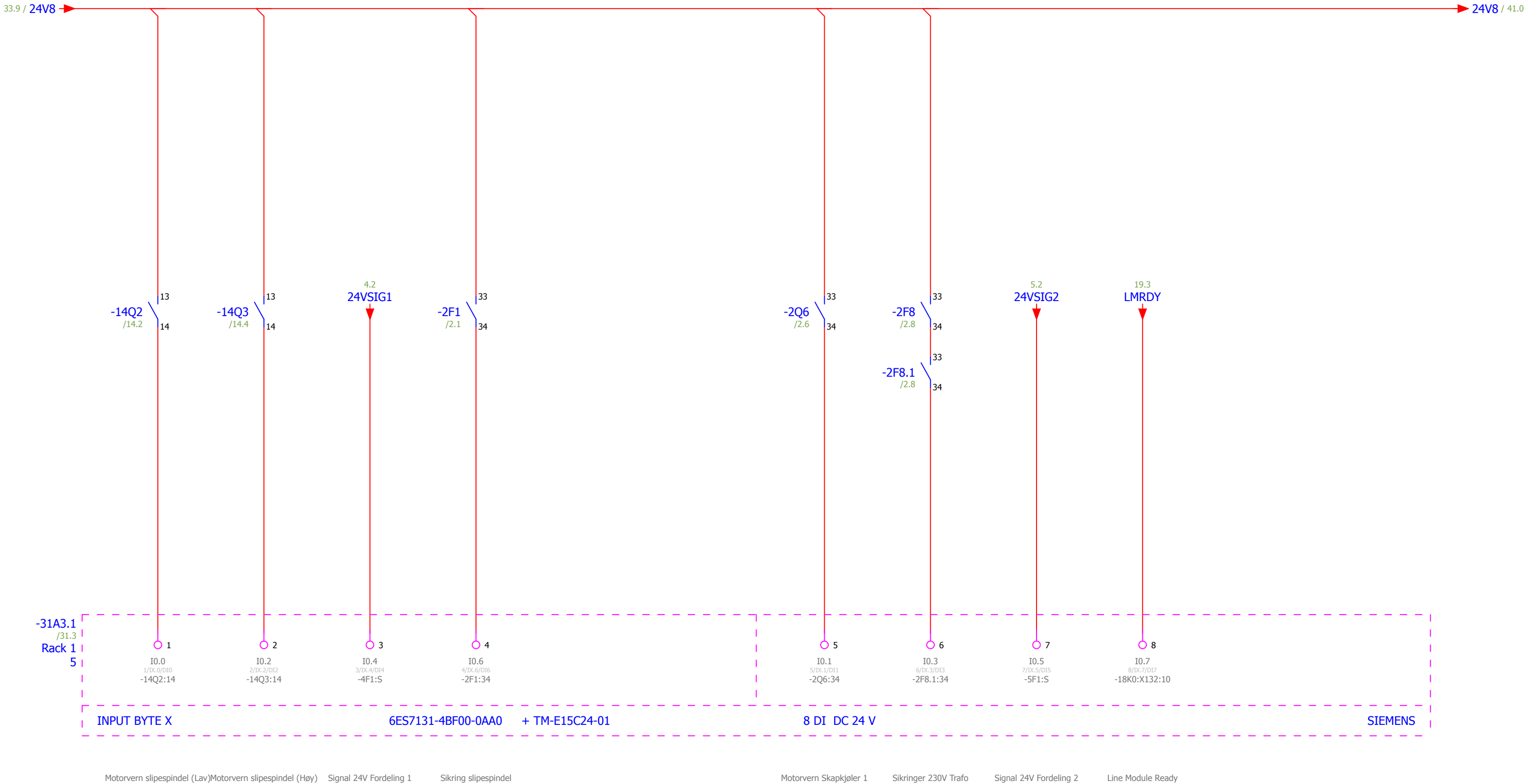
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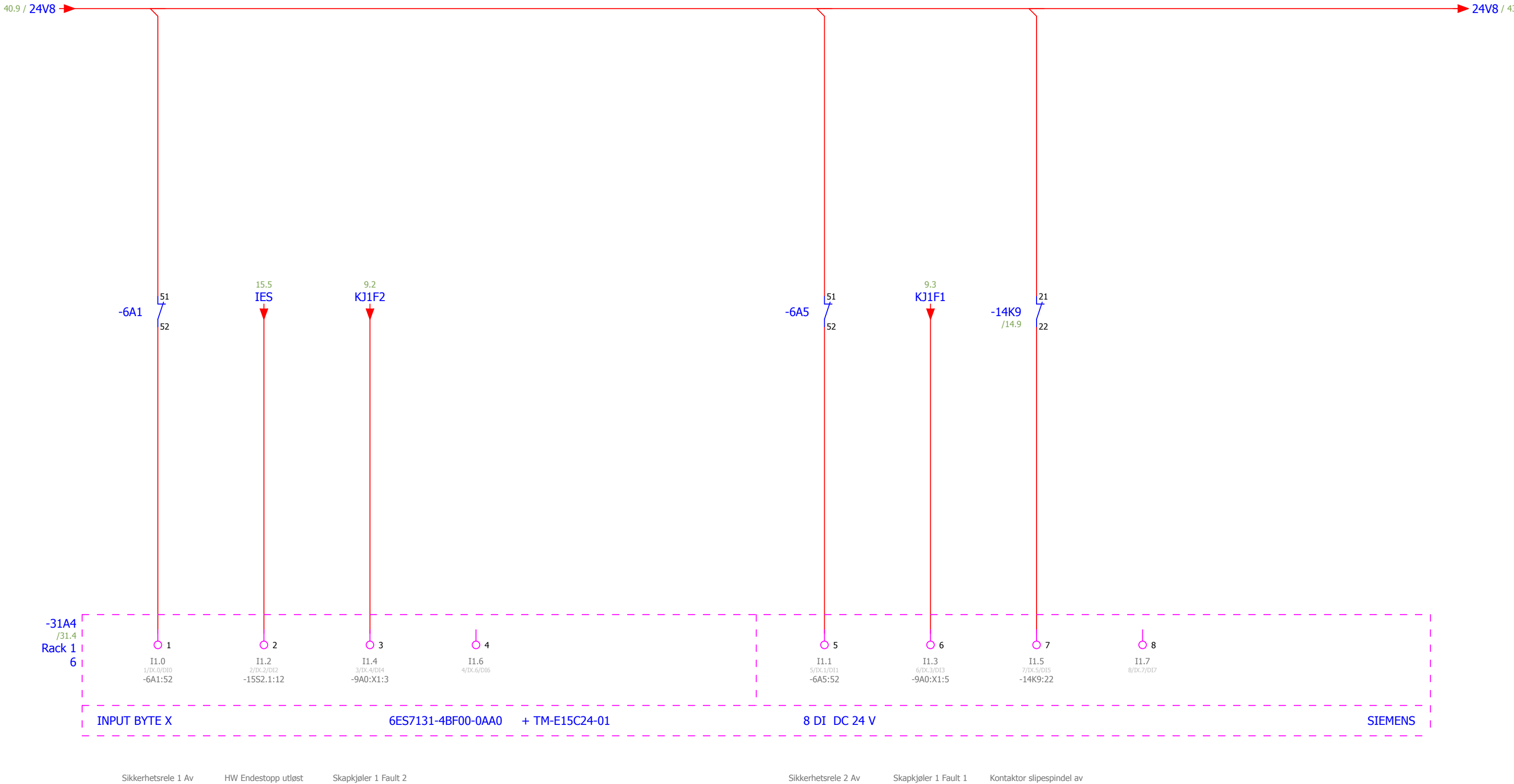
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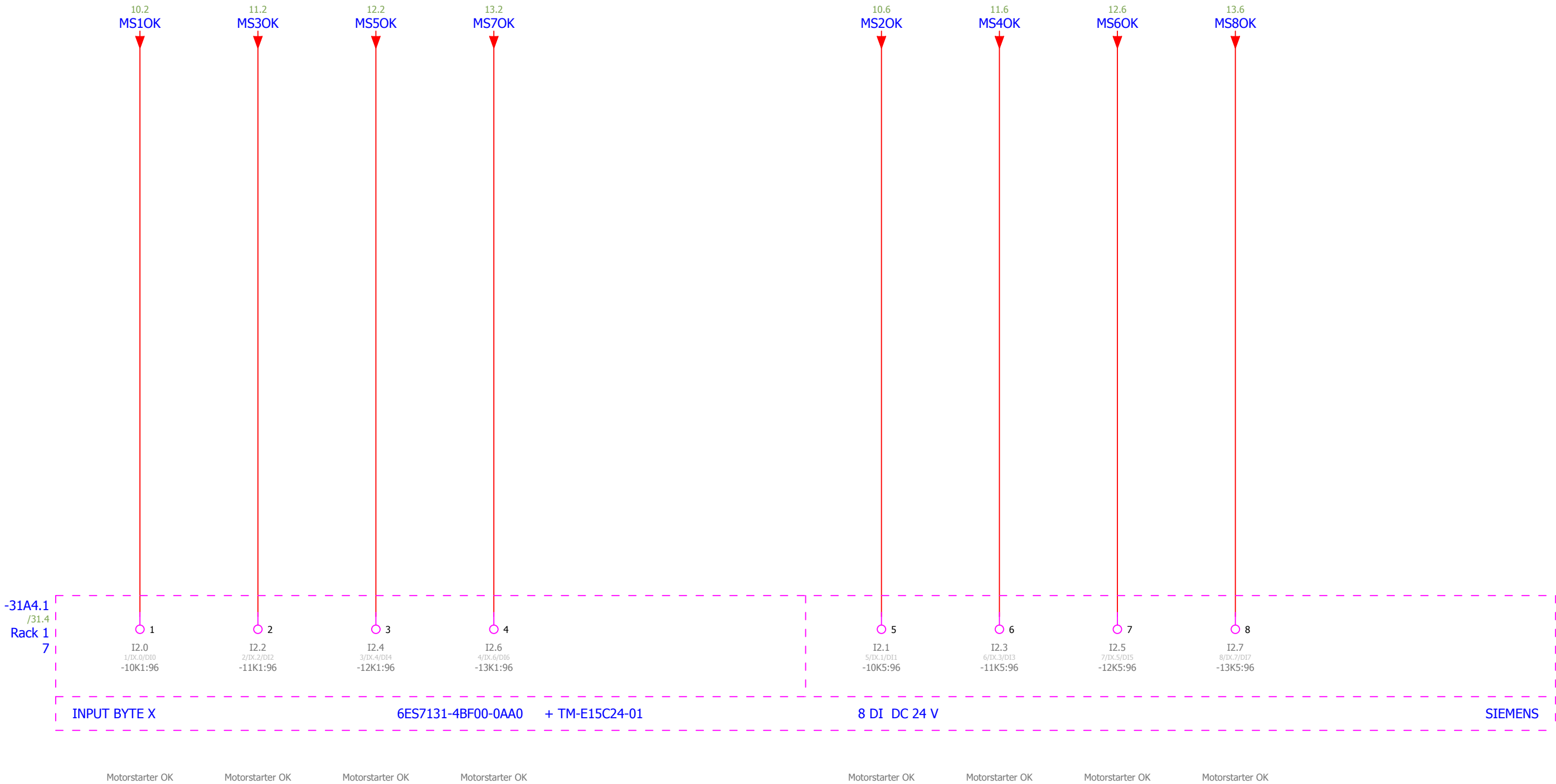
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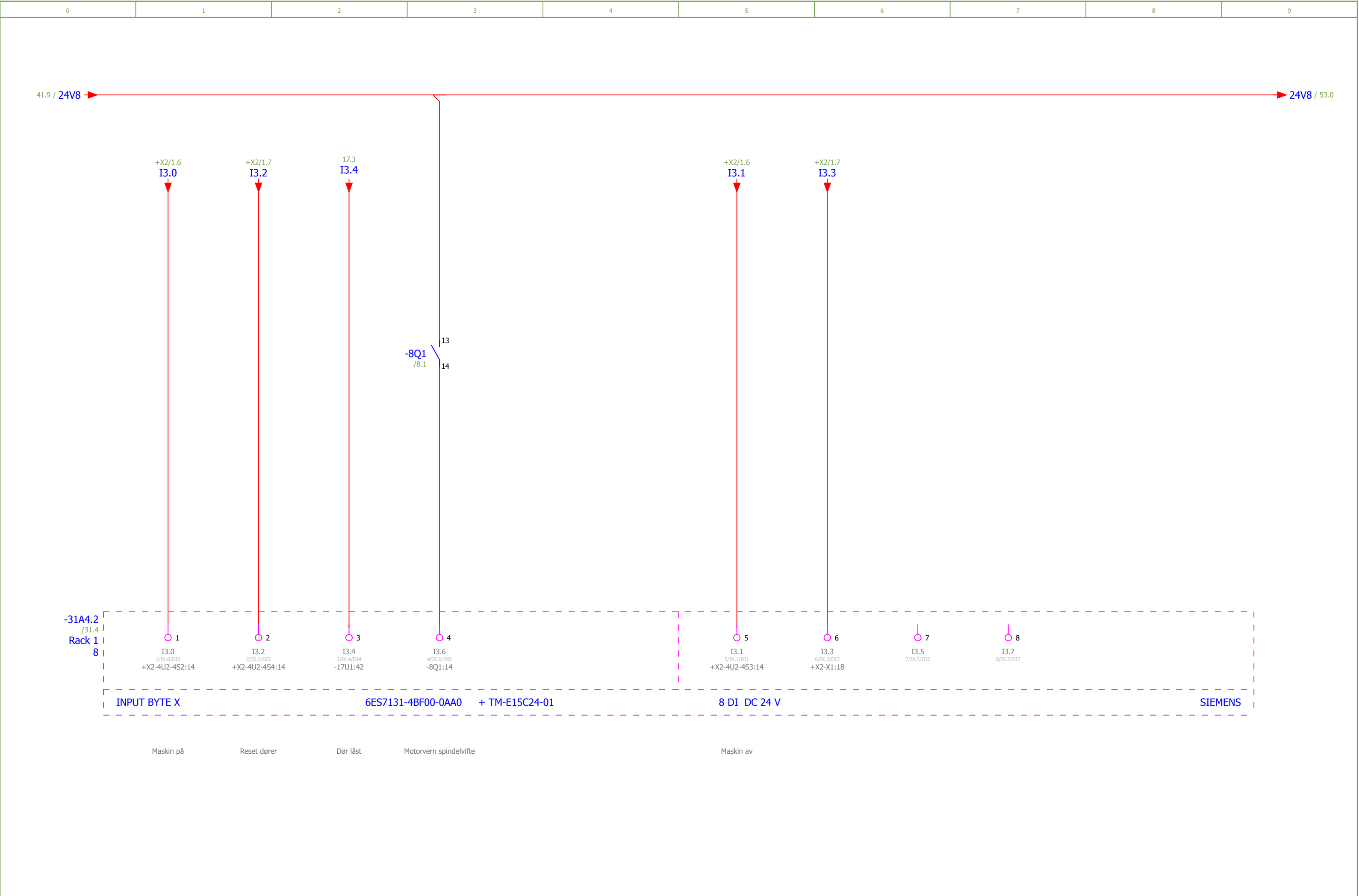
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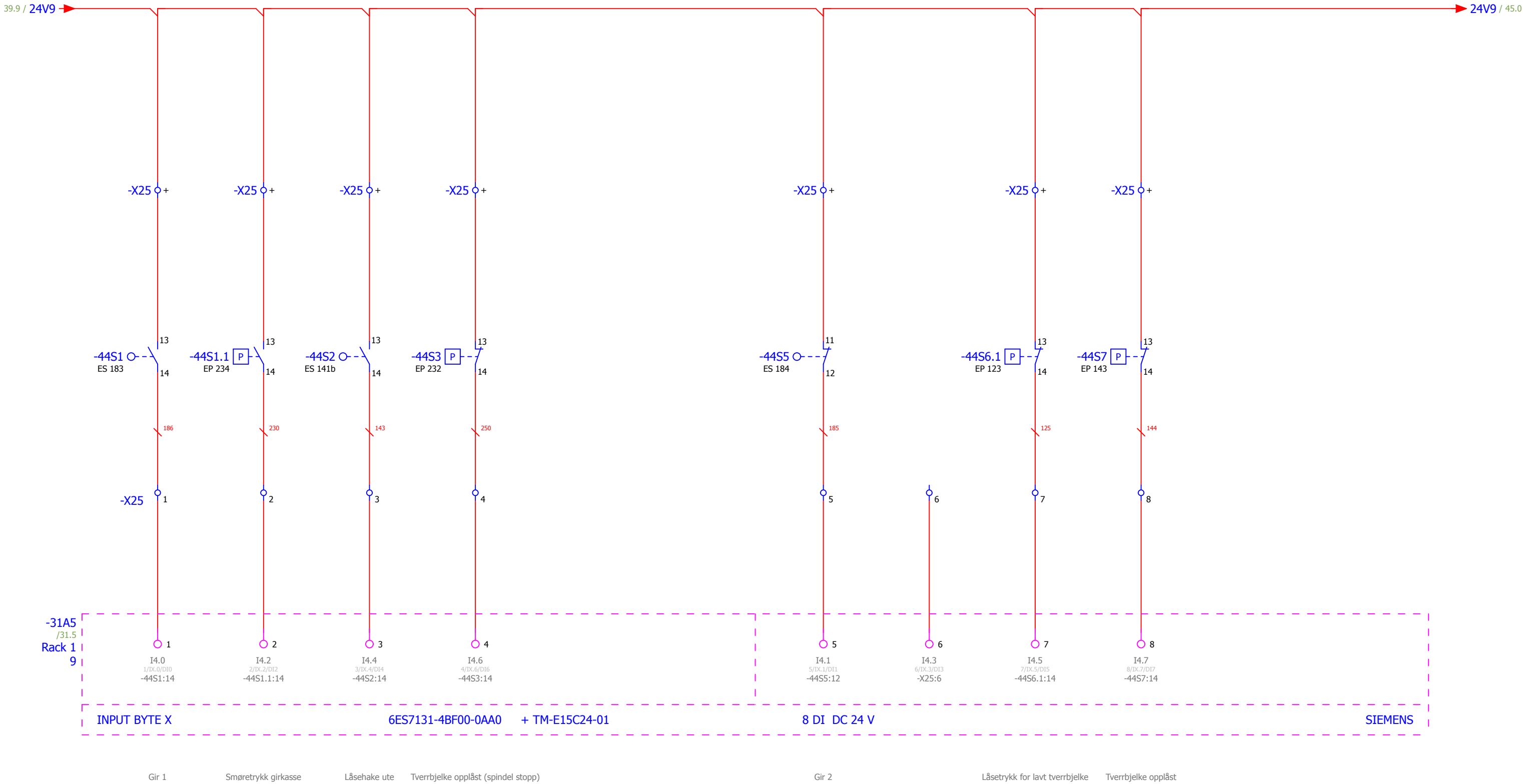
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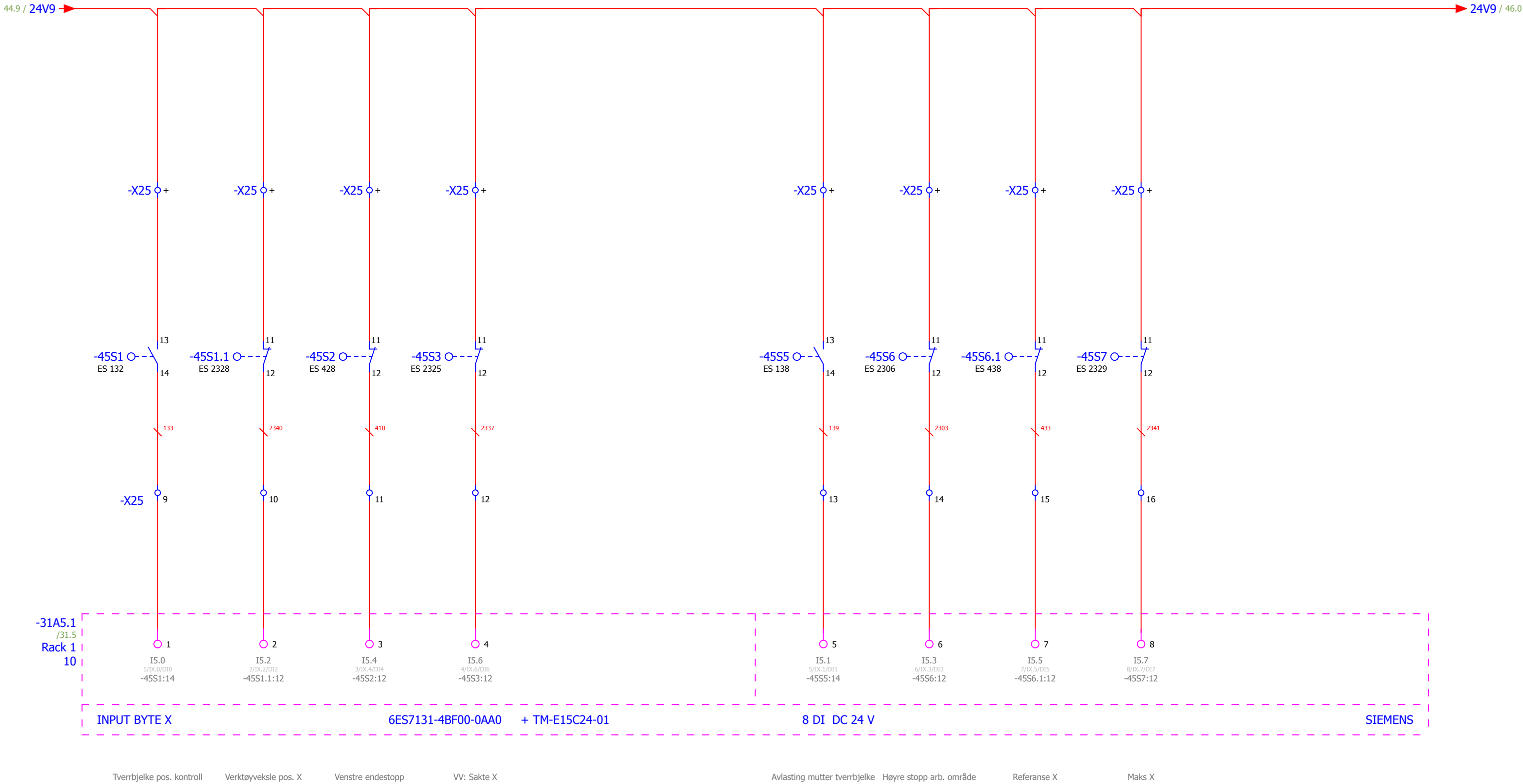
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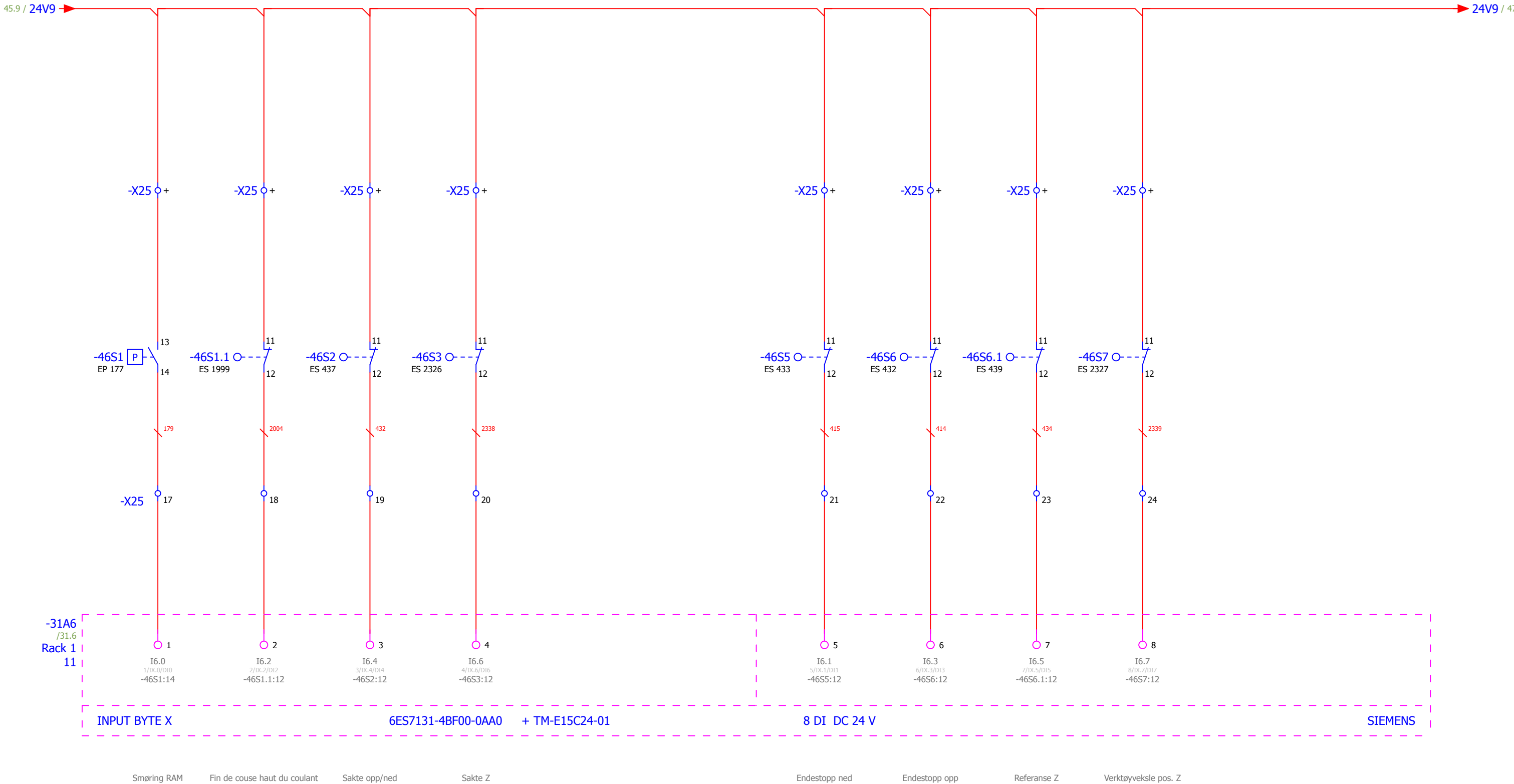
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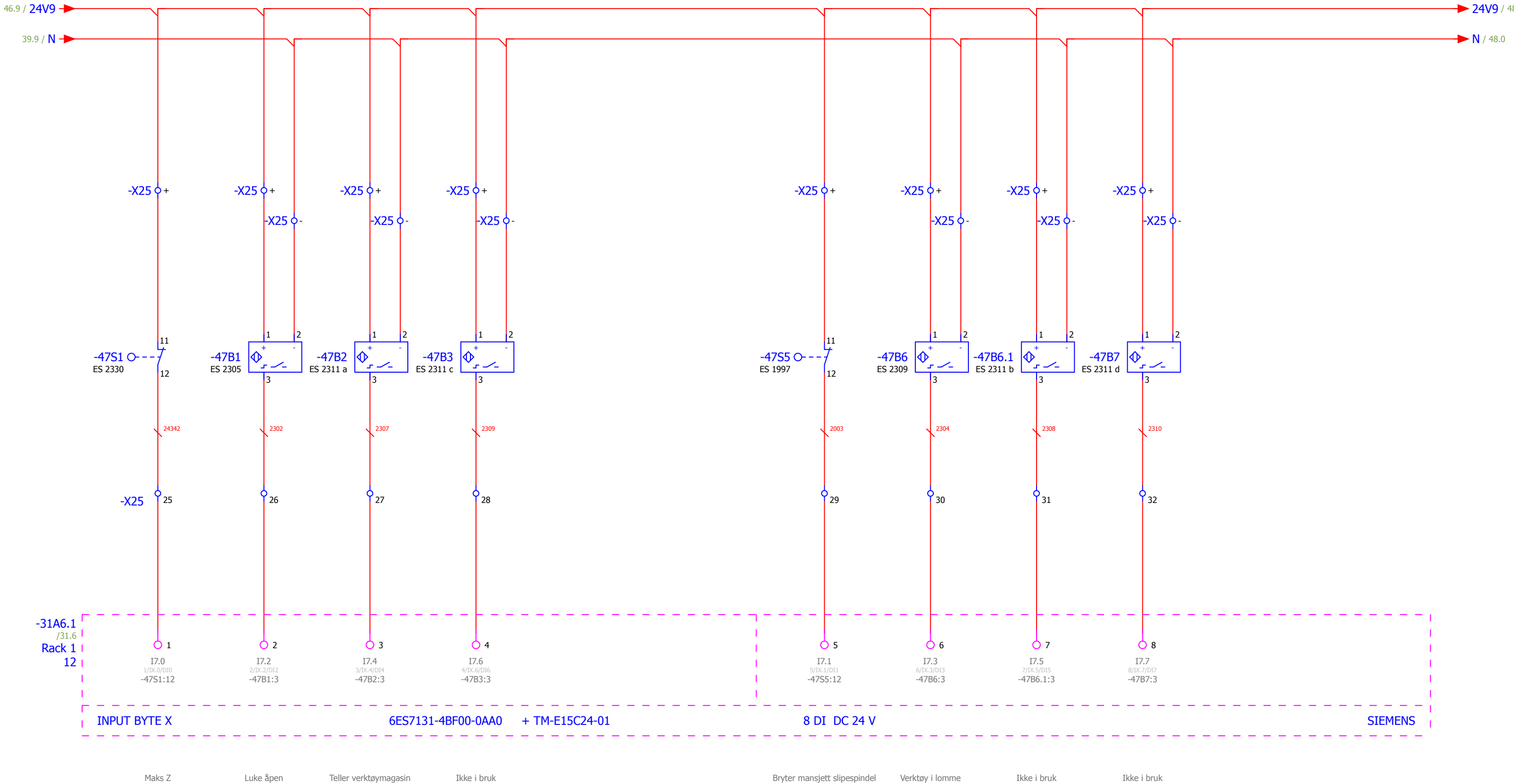


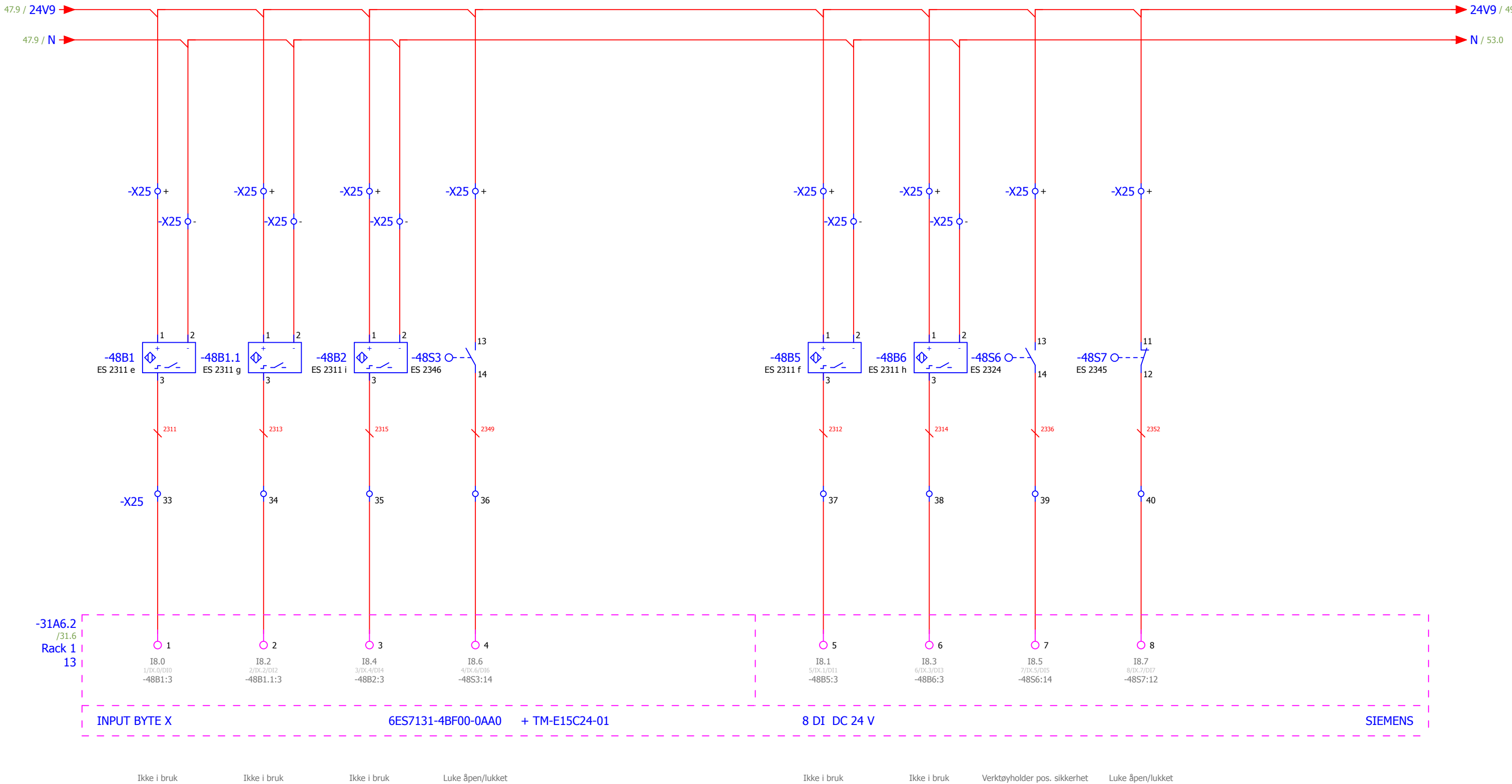
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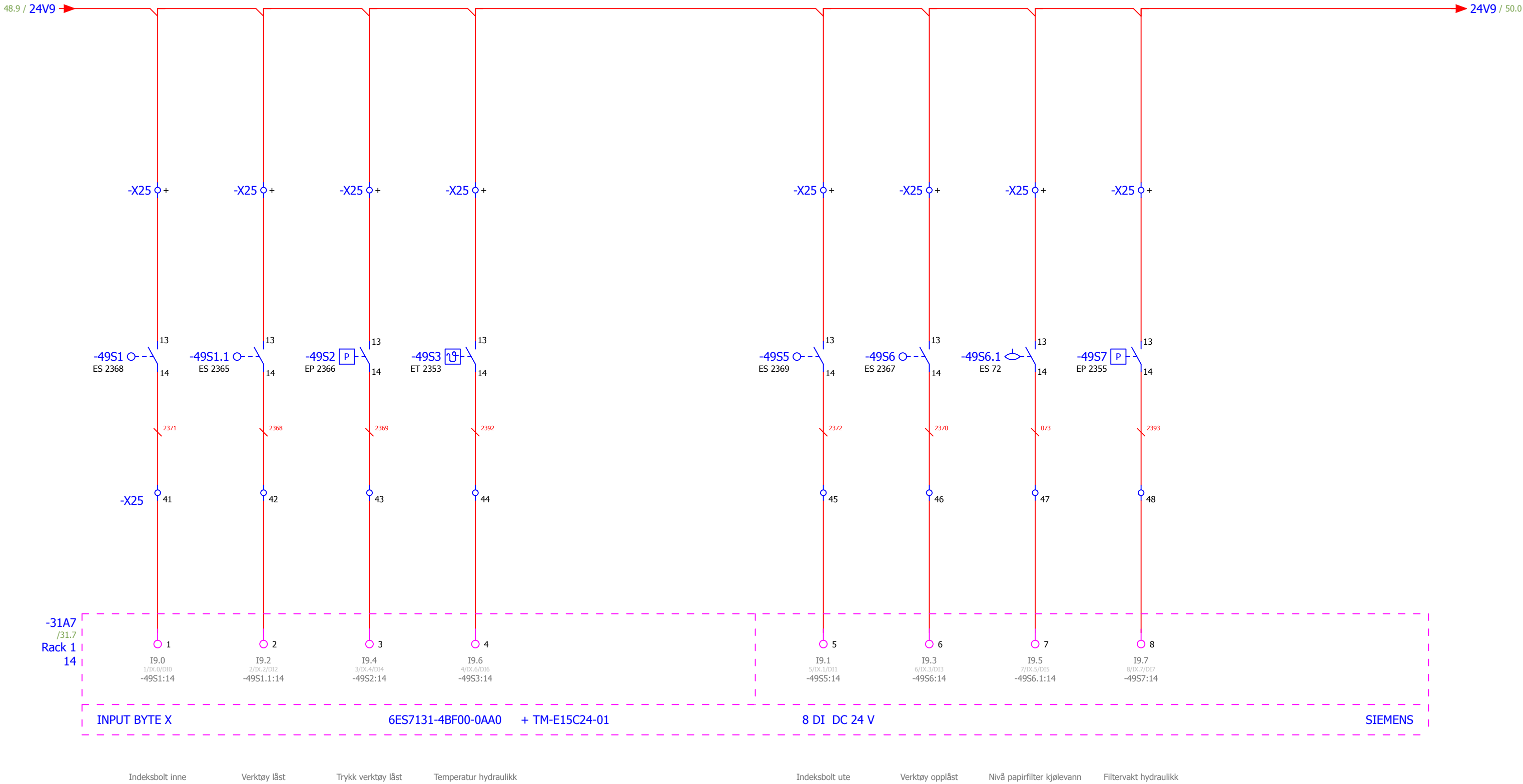
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INPUT BYTE X

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8 DI DC 24 V

SIEMENS

Indeksbolt inne

Verktøy låst

Trykk verktøy låst

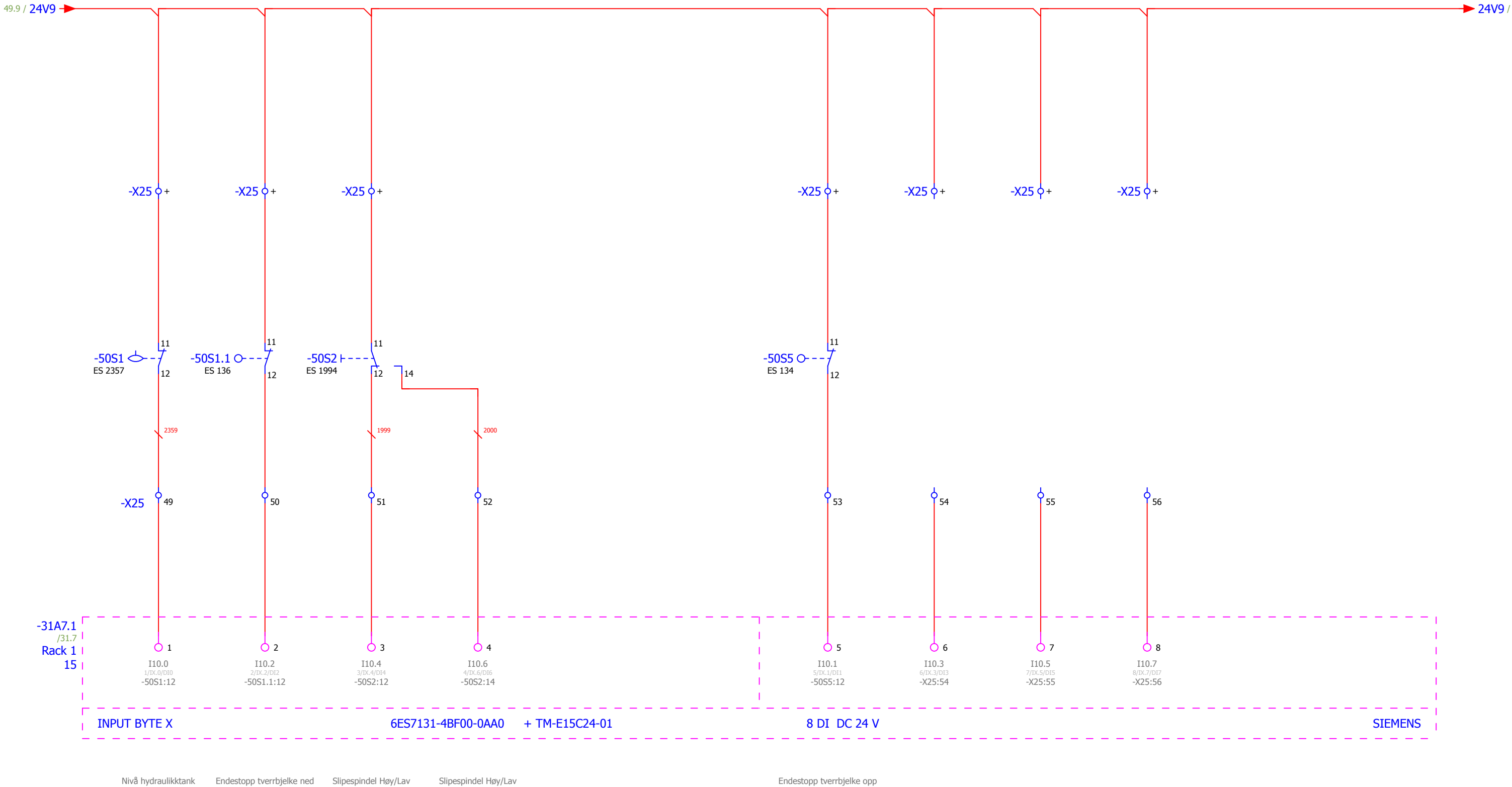
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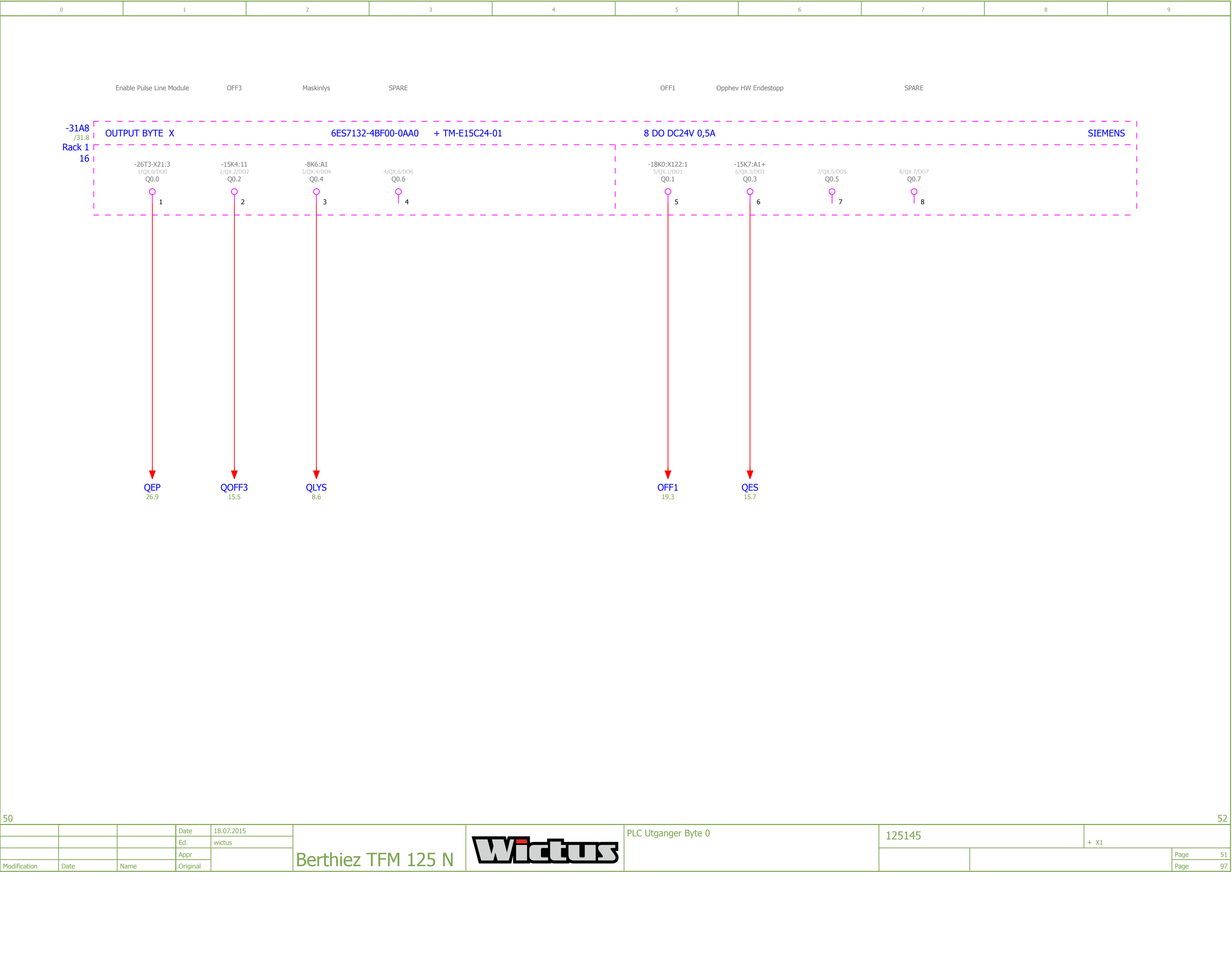
Indeksbolt ute

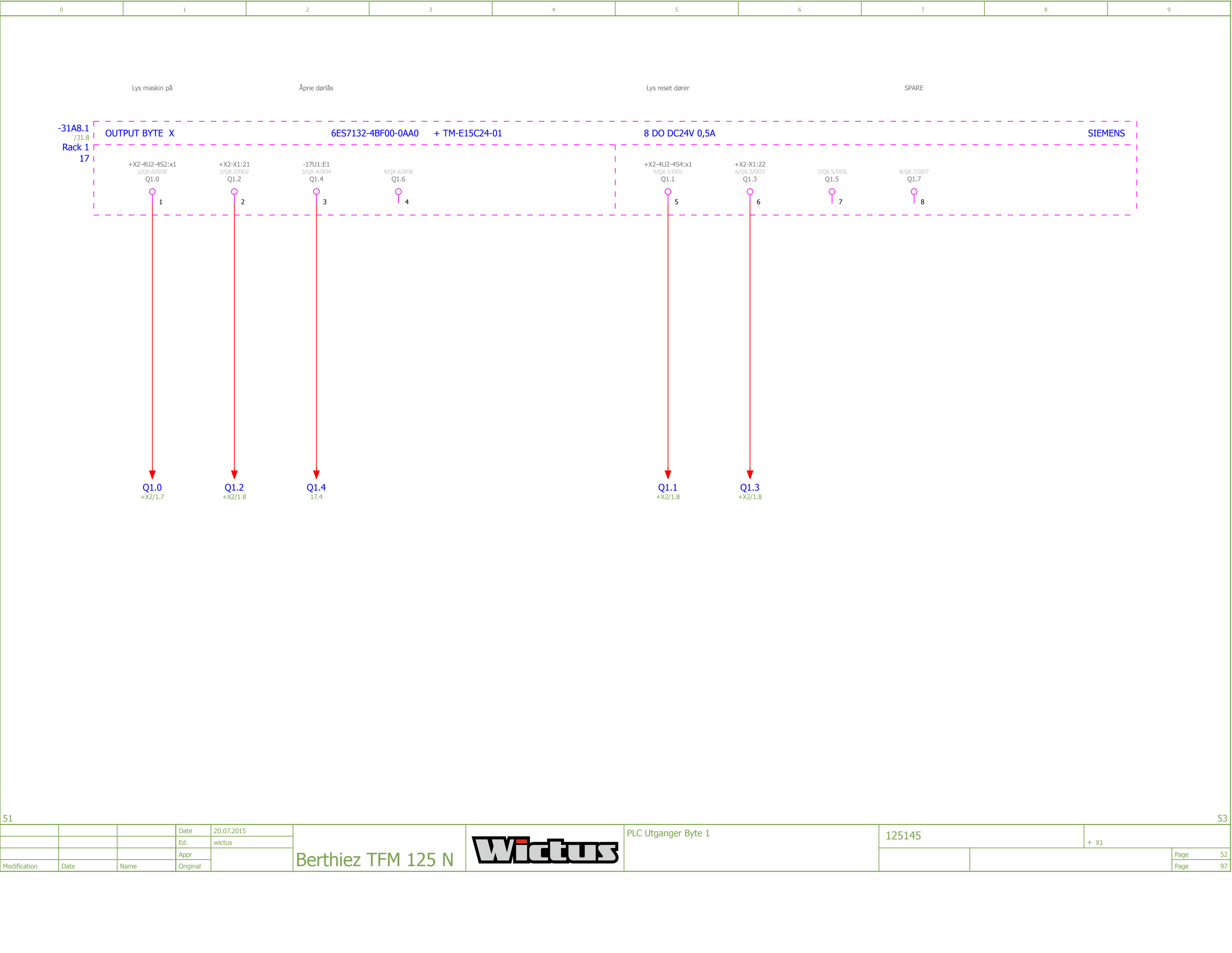
Verktøy opplåst

Nivå papirfilter kjølevann

Filtervakt hydraulikk









-31A8.2
/31.8
Rack 1
18

ET200S
PM-E DC 24V

SIEMENS



2/DC24V
DC24V
3/M
M



6/DC24V
DC24V
7/M
M

6ES7138-4CA01-0AA0
+ TM-P15C22-01

Hydraulikk verktøymagasin

Tverrbjelke L

Smøring girkasse

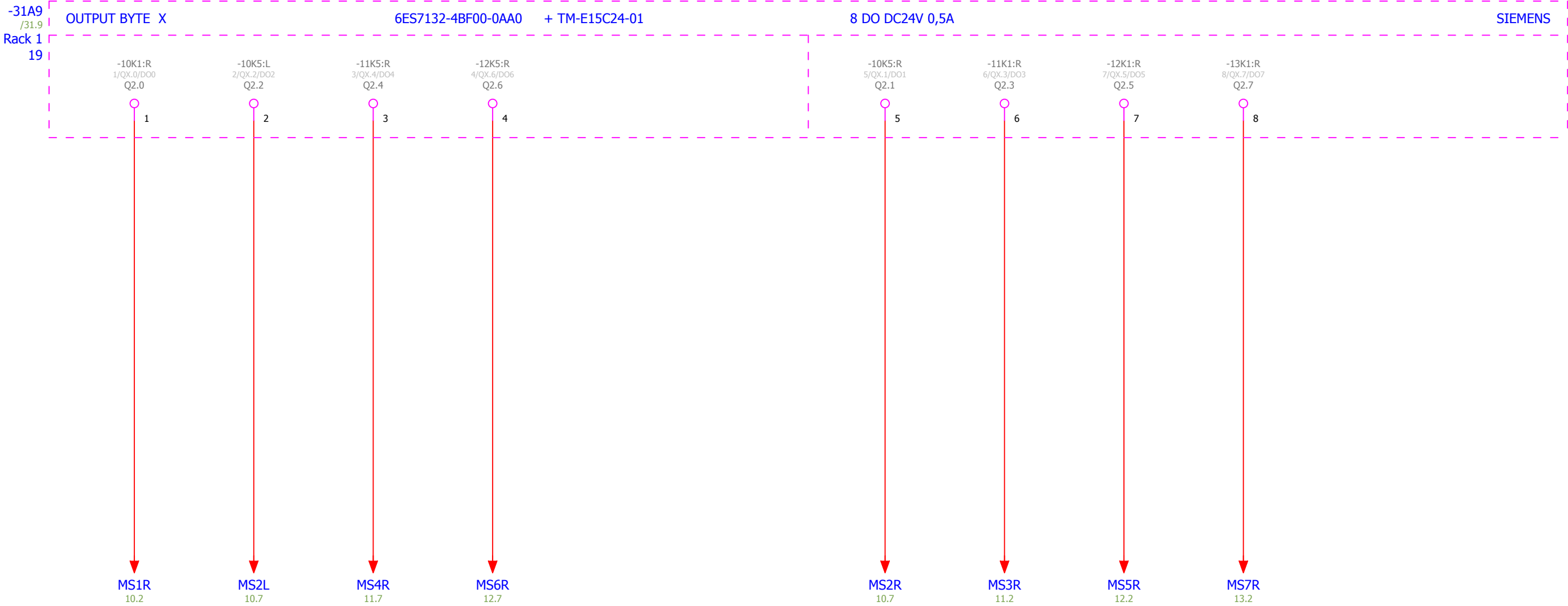
Filterduk kjølevann

Tverrbjelke R

Kjølevannspumpe

Vifte spindelmotor

Magnetfilter kjølevann



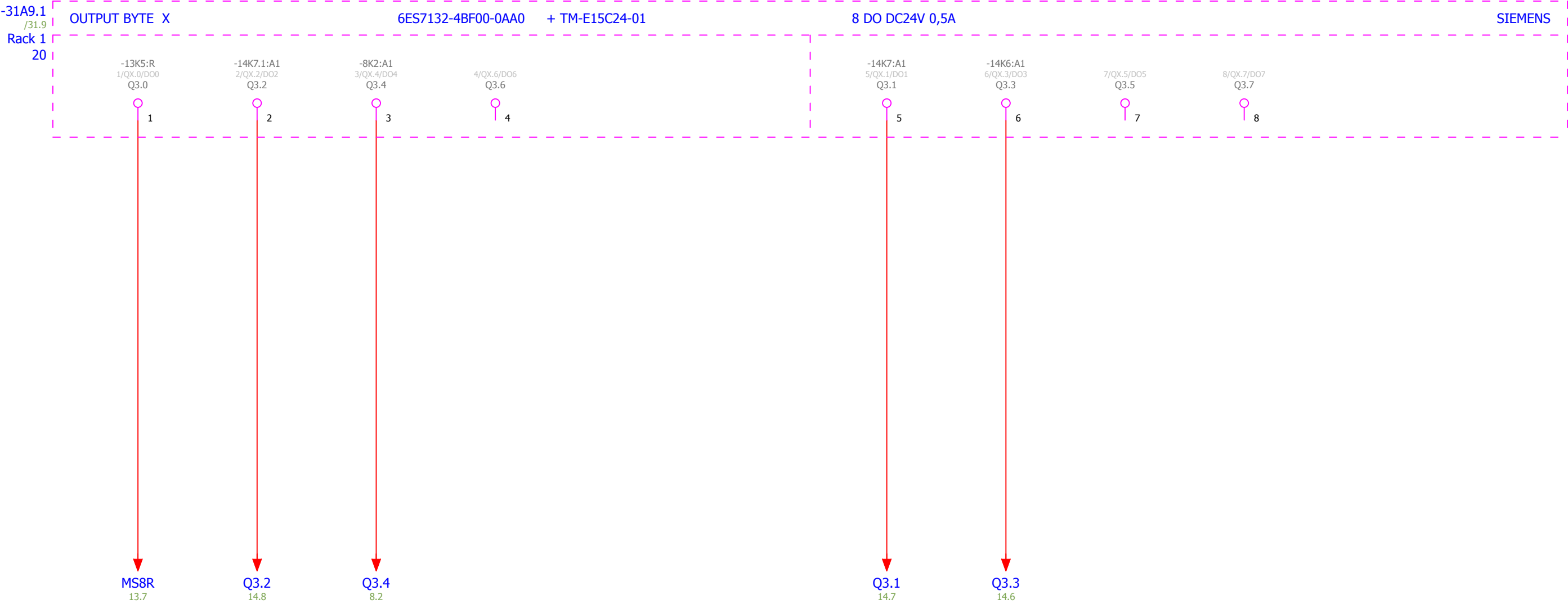
Smøring RAM

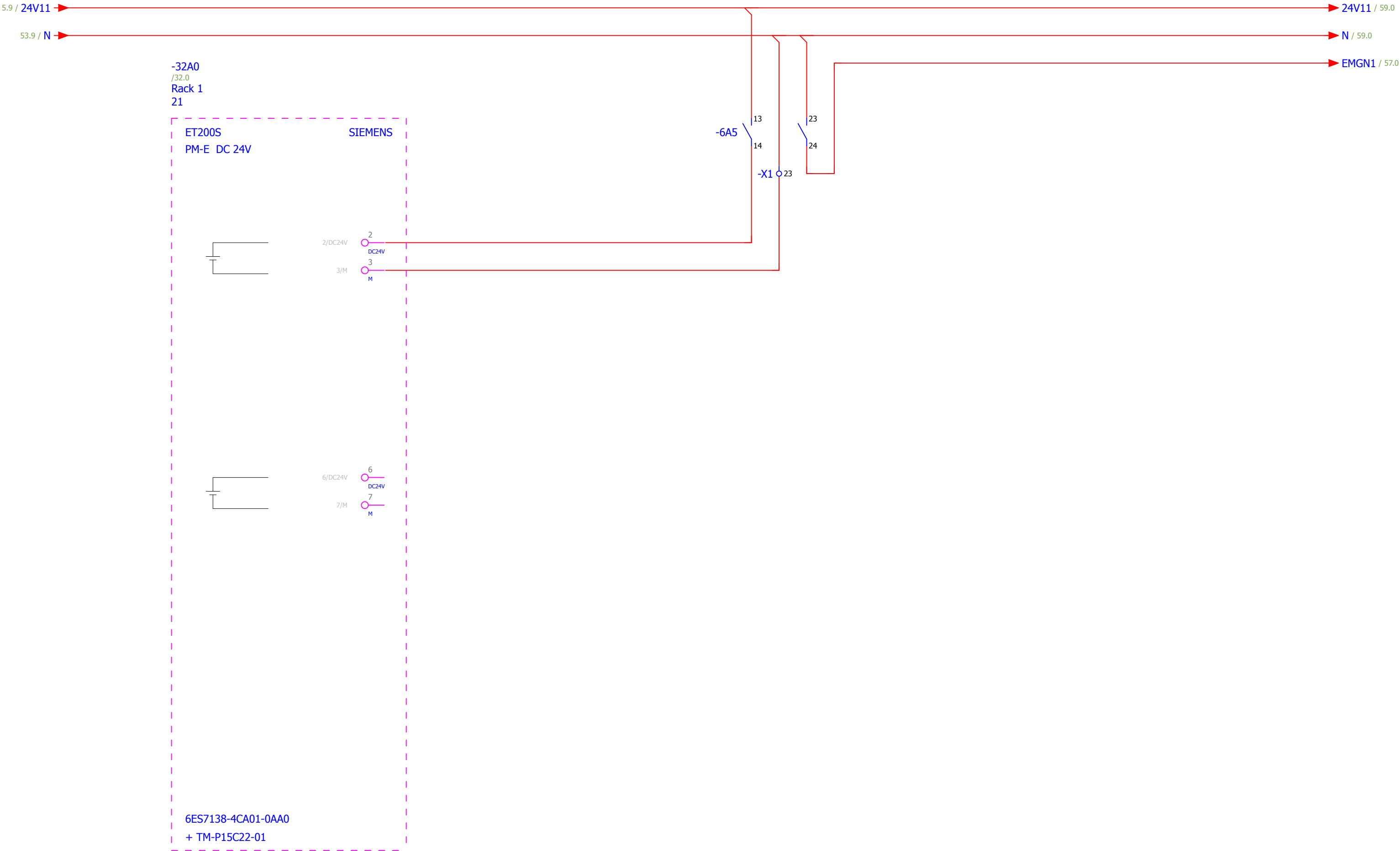
Aktiver slipespindel (Høy / Y)

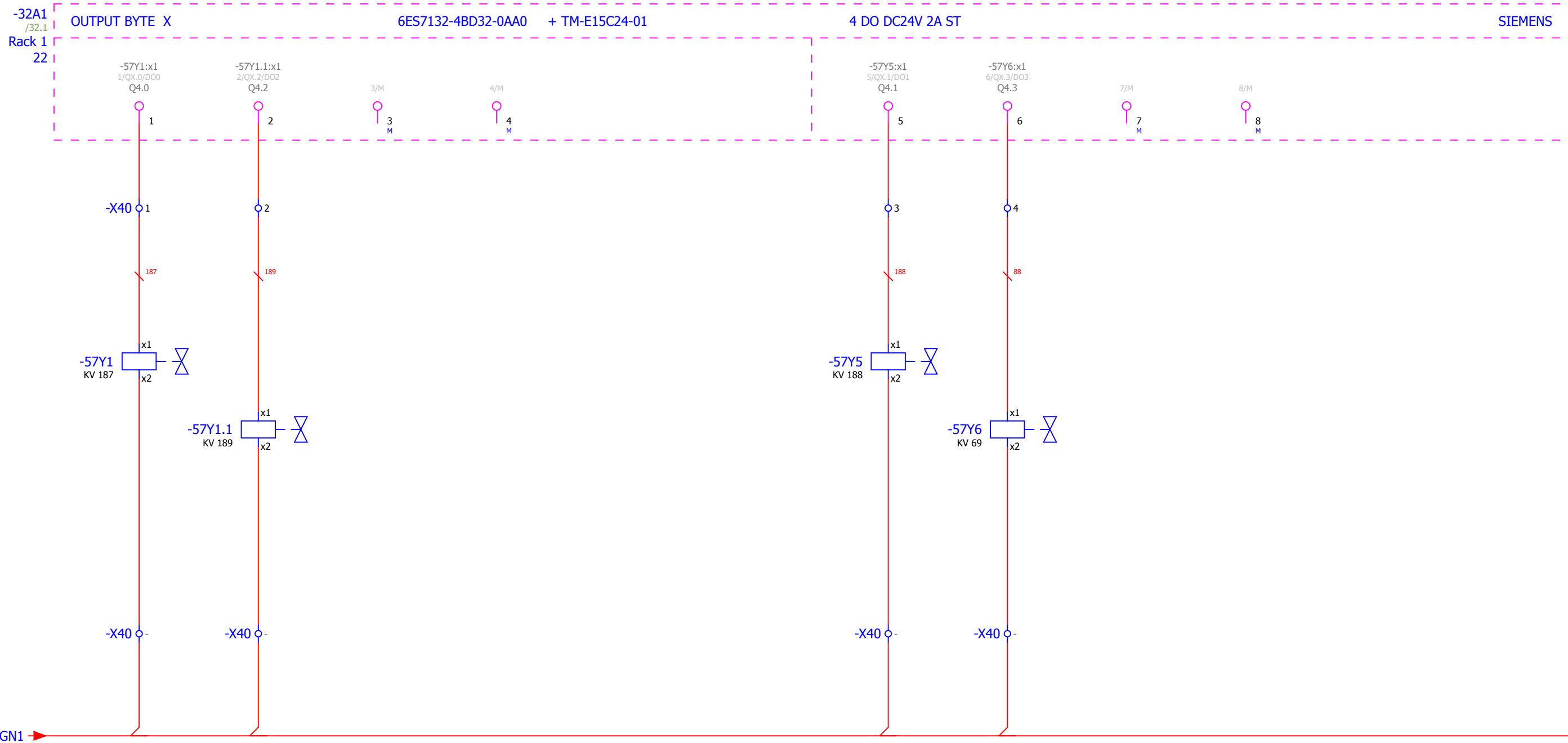
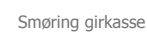
Vifte spindelmotor

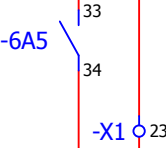
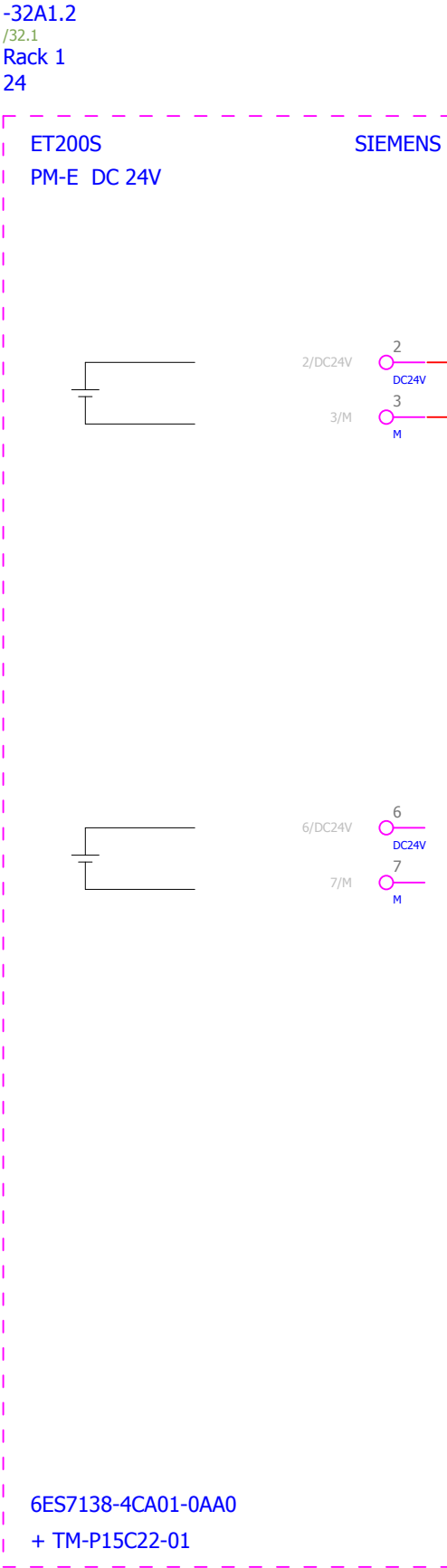
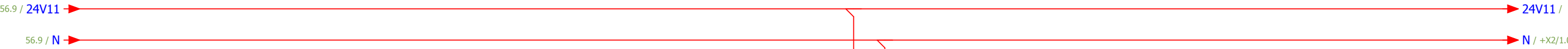
Aktiver slipespindel (Høy)

Aktiver slipespindel (Lav)







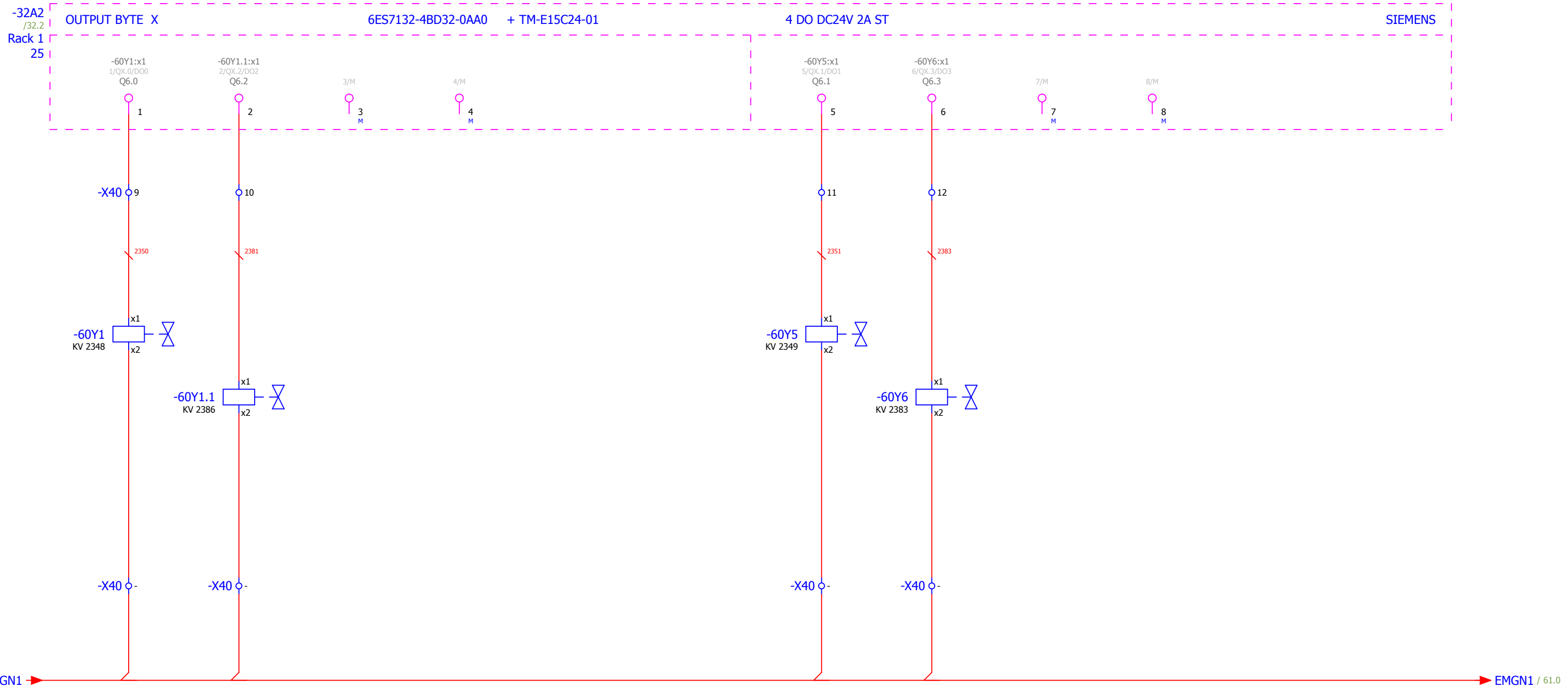


Lukke deksel v.v

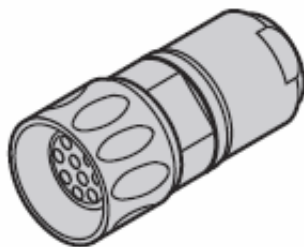
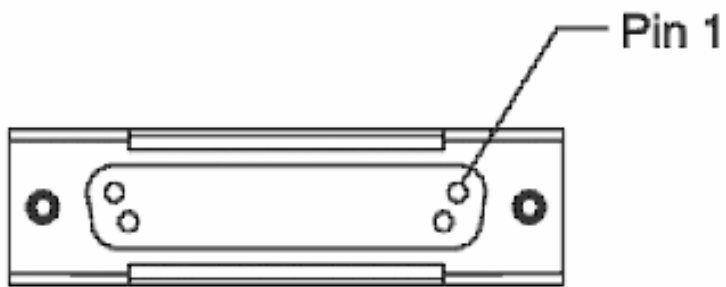
Høytrykk

Åpne deksel v.v

Roter verk  yveksler

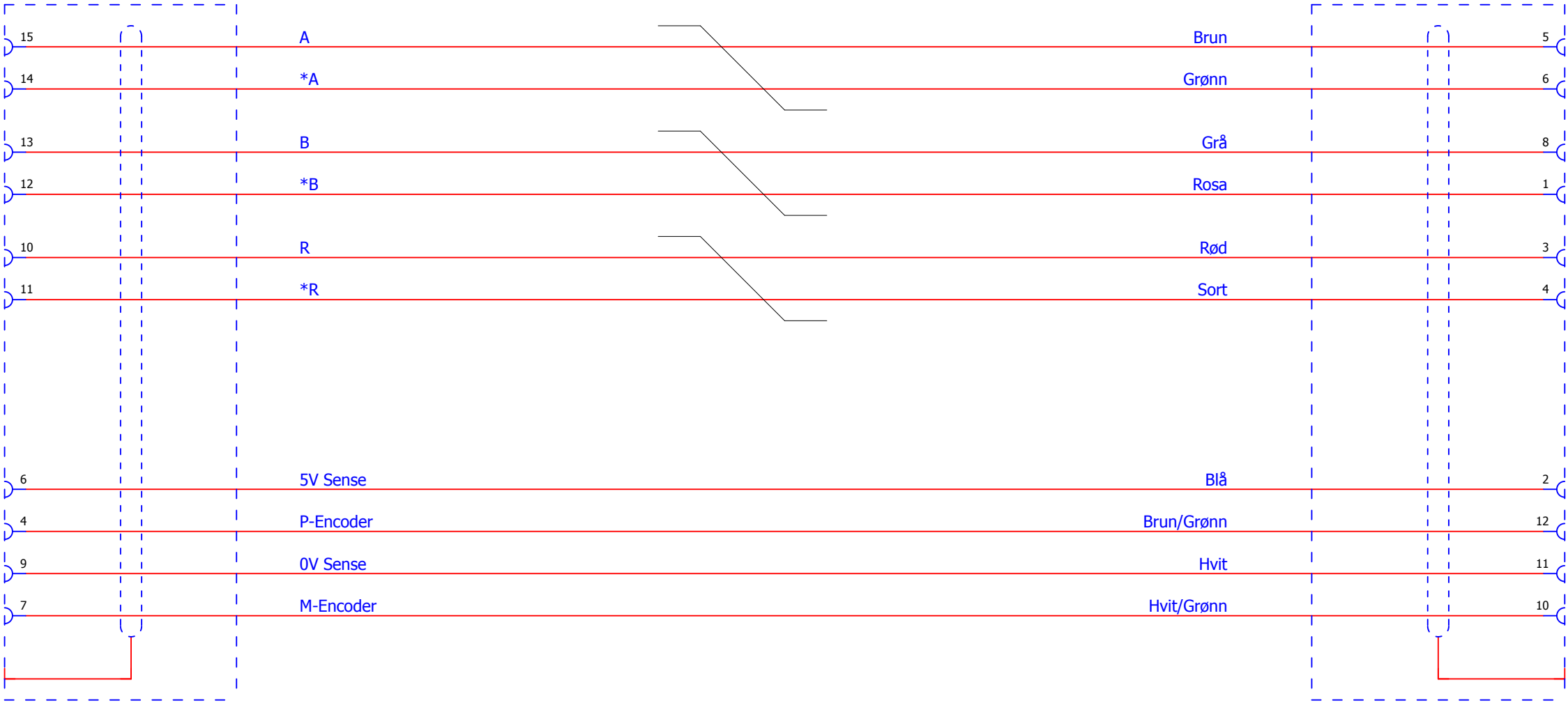


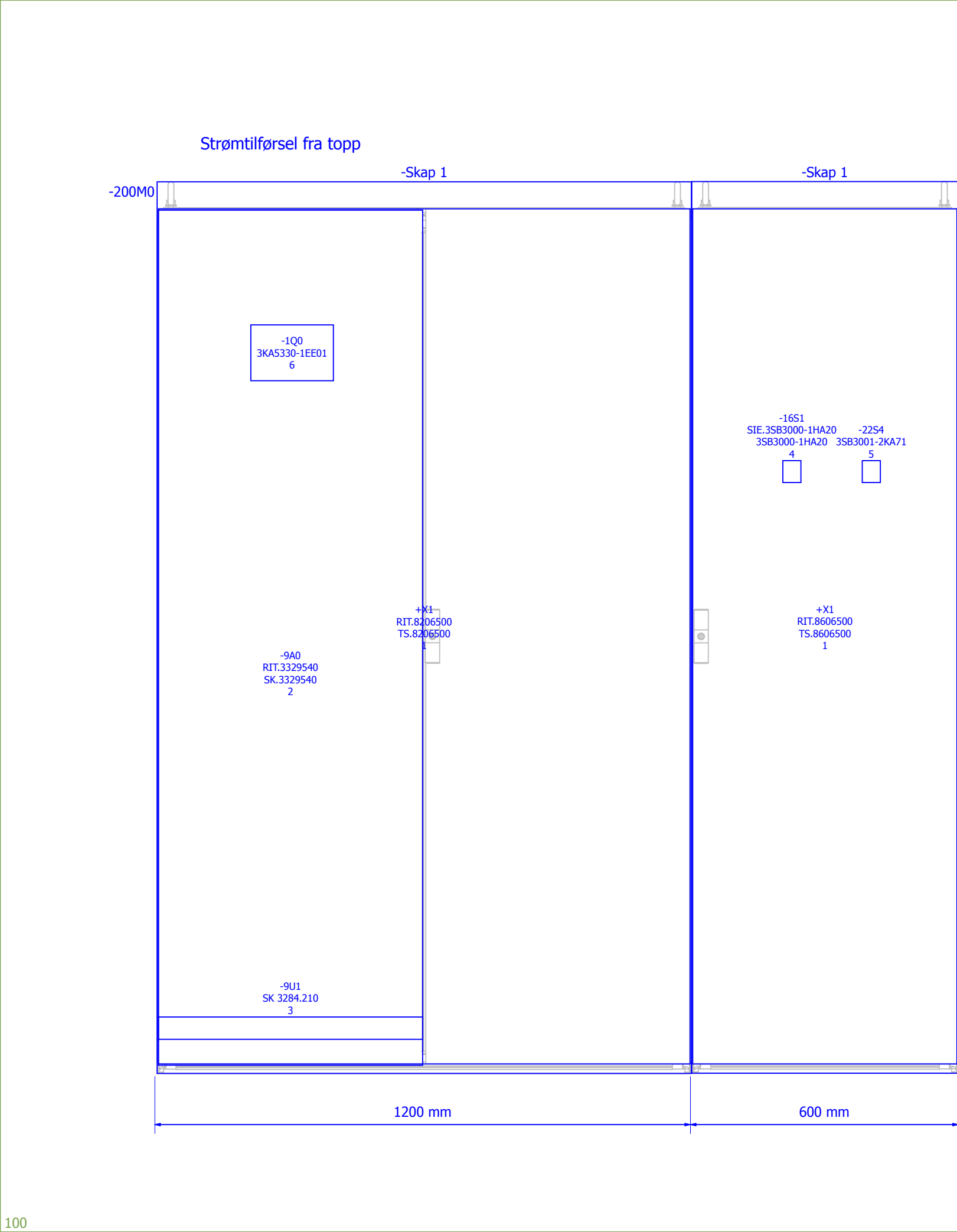
			Date	21.11.2015	Berthiez TFM 125 N		PLC Utganger Byte 6	125145				
			Ed.	wictus					+ X1			
			Appr									Page 60
Modification	Date	Name	Original								Page 97	



SMC 30

Målesystem / EXE

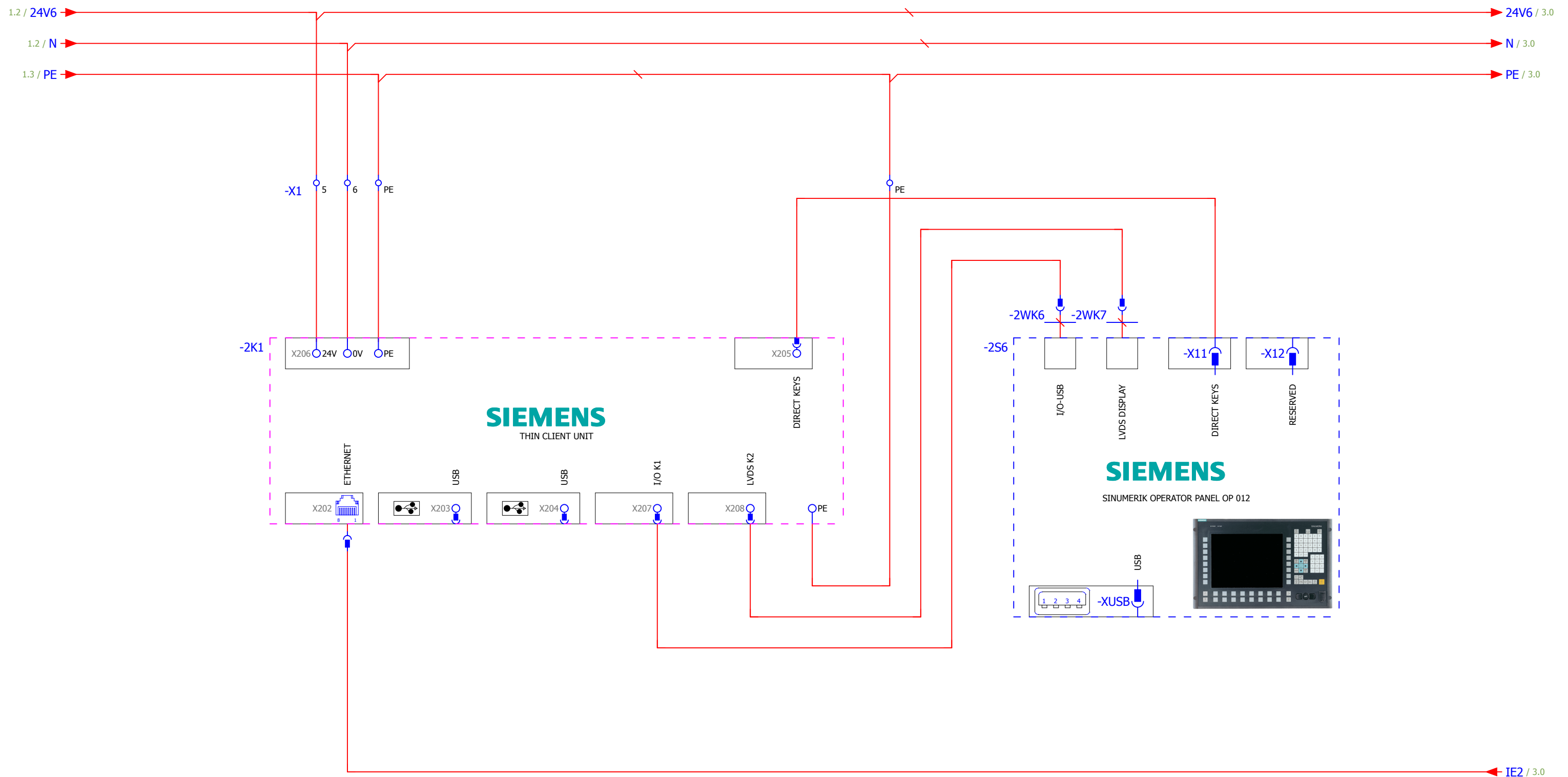




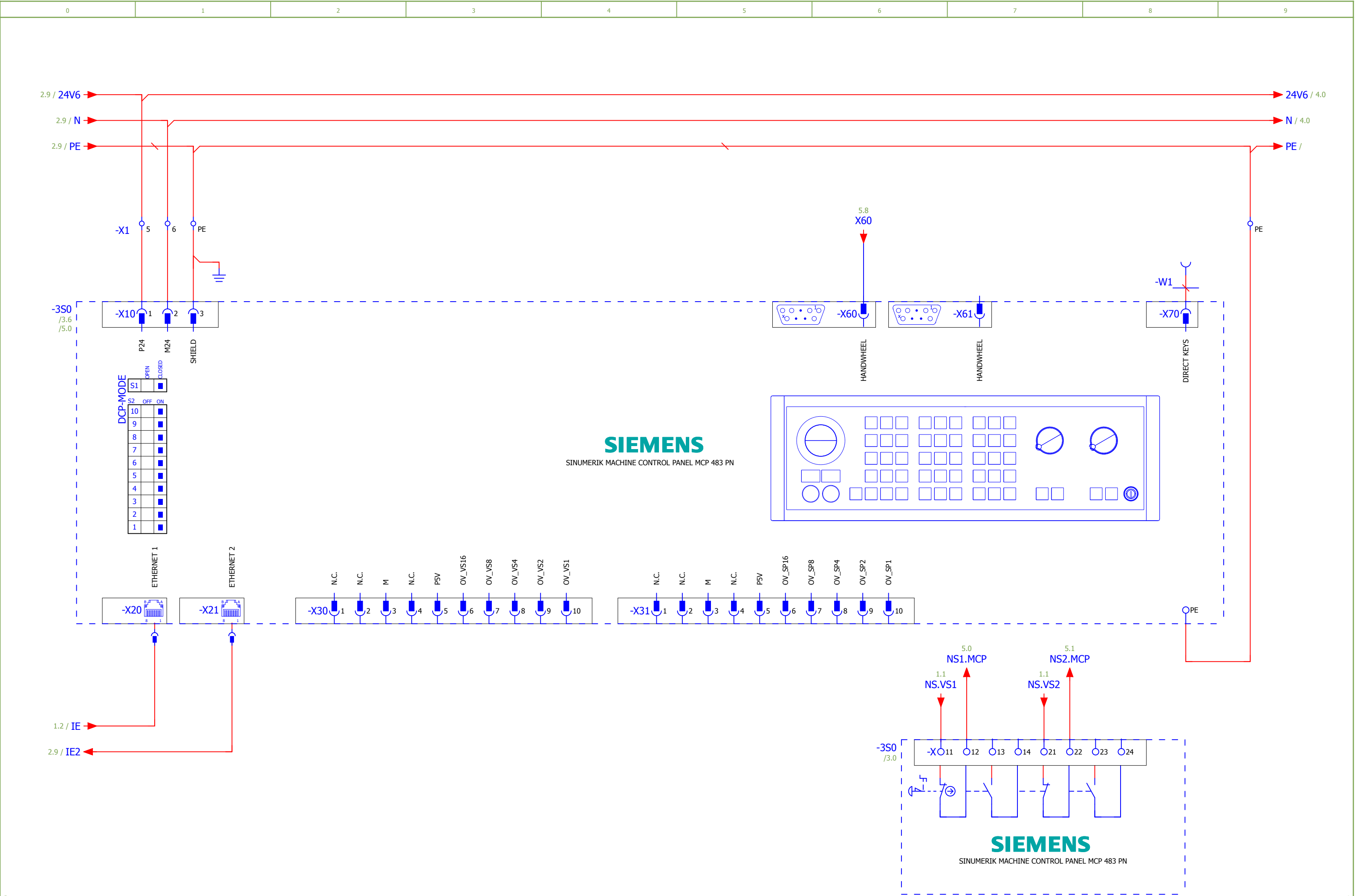
Parts list

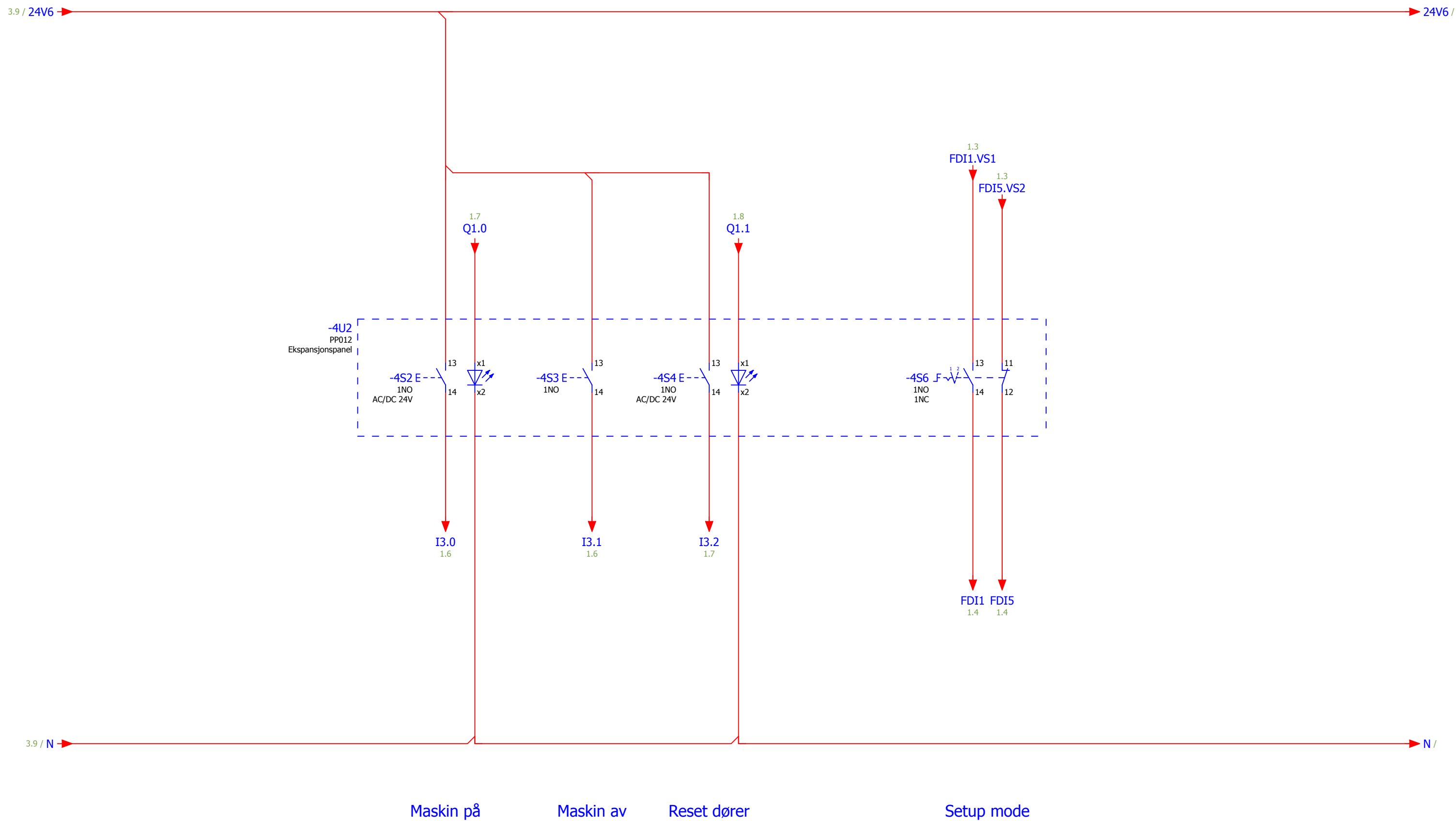
Designation	Part number	Quantity	Device Designation	Schematic / position
Top enclosure system double door, with mounting plate painted RAL 7035	RIT.8206500	1		/200.0
Top enclosure system painted RAL 7035, with mounting plate single door	RIT.8606500	1		/200.3
TopTherm PLUS wall-mounted cooling unit 2500 W, comfort controller, RiNano coat./condensate evapo.	RIT.3329540	2	-9A0	/9.0
		0	-200M0	/200.0
	3KA5330-1EE01	1	-1Q0	/1.0
22MM PLASTIC ROUND ACTUATOR:	SIE.3SB3000-1HA20	1	-16S1	/16.1
	3SB3001-2KA71	1	-22S4	/22.4
Wiring plan pockets of sheet steel for 600 mm wide doors	RIT.4116000	1	-Skap1	/200.0
		0	-Skap1	/200.3
Mounting plate infill for 2000 mm enclosure height	RIT.4591700	1	-Skap1	/200.0
Side panels, pair, for 2000 X 600 mm RAL 7035	RIT.8106235	1	-Skap1	/200.0
Base/plinth baying bracket RAL 8019	RIT.8601100	1	-Skap1	/200.0
Baying bracket TS/TS	RIT.8800430	1	-Skap1	/200.0
Base/plinth components front and rear, 200 mm high	RIT.8602200	1	-Skap1	/200.0
Base/plinth components front and rear, 200 mm high	RIT.8602600	1	-Skap1	/200.0
Quick-fit baying clamps TS	RIT.8800500	1	-Skap1	/200.0
	8601060	1	-Skap1	/200.0
	8602060	1	-Skap1	/200.0
	SK 3284.210	1	-9U1	/200.0

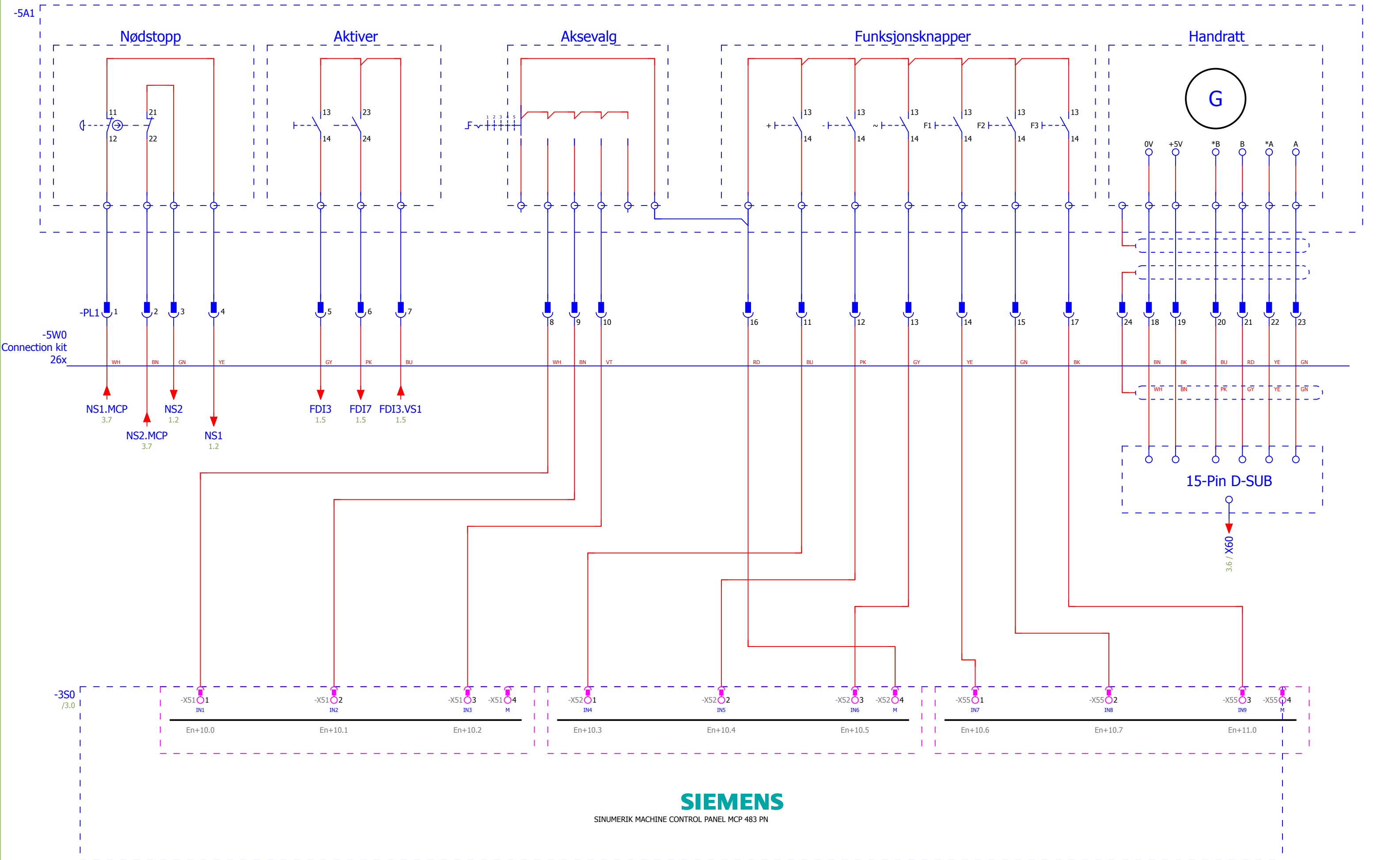


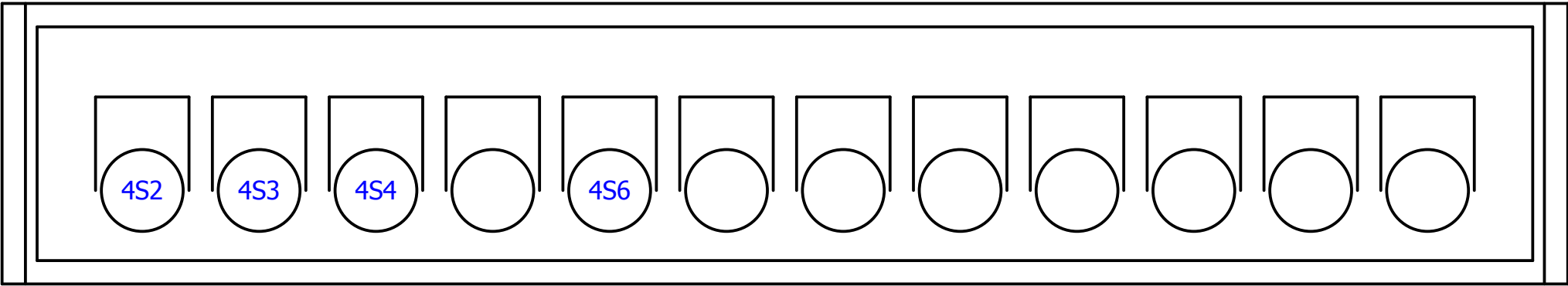


			Date	30.07.2015	Berthiez TFM 125 N		OP012 Operatørpanel	125145		+ X2		
			Ed.	wictus								Page 2
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Modification	Date	Name	Original									

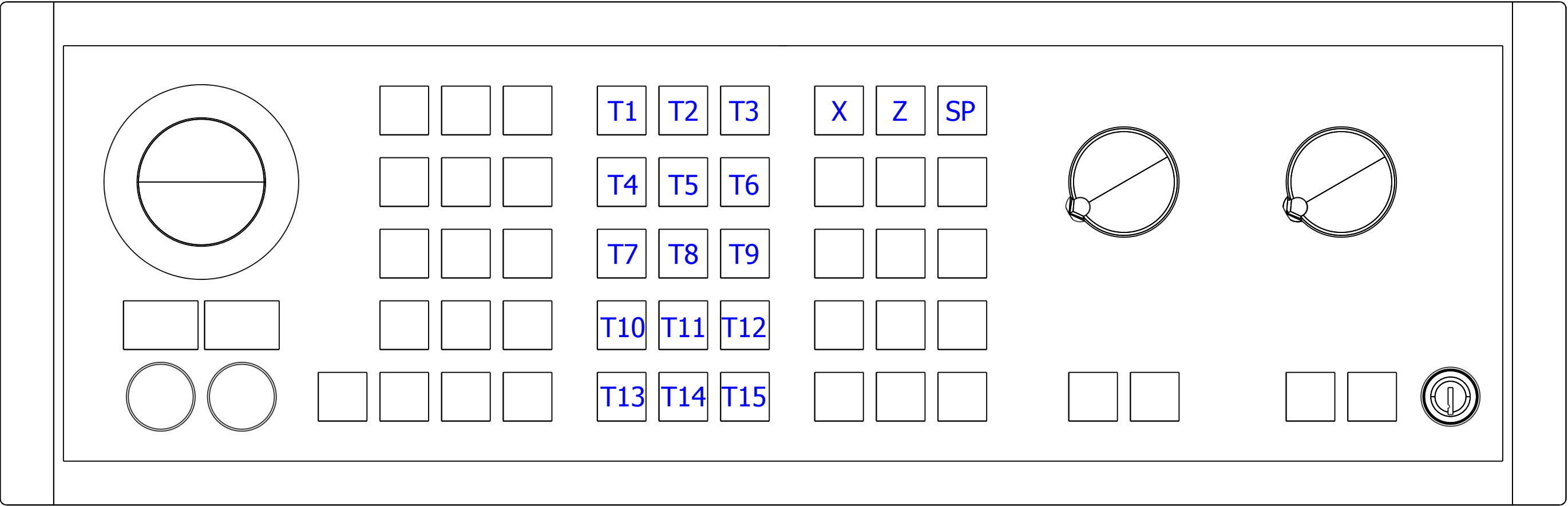




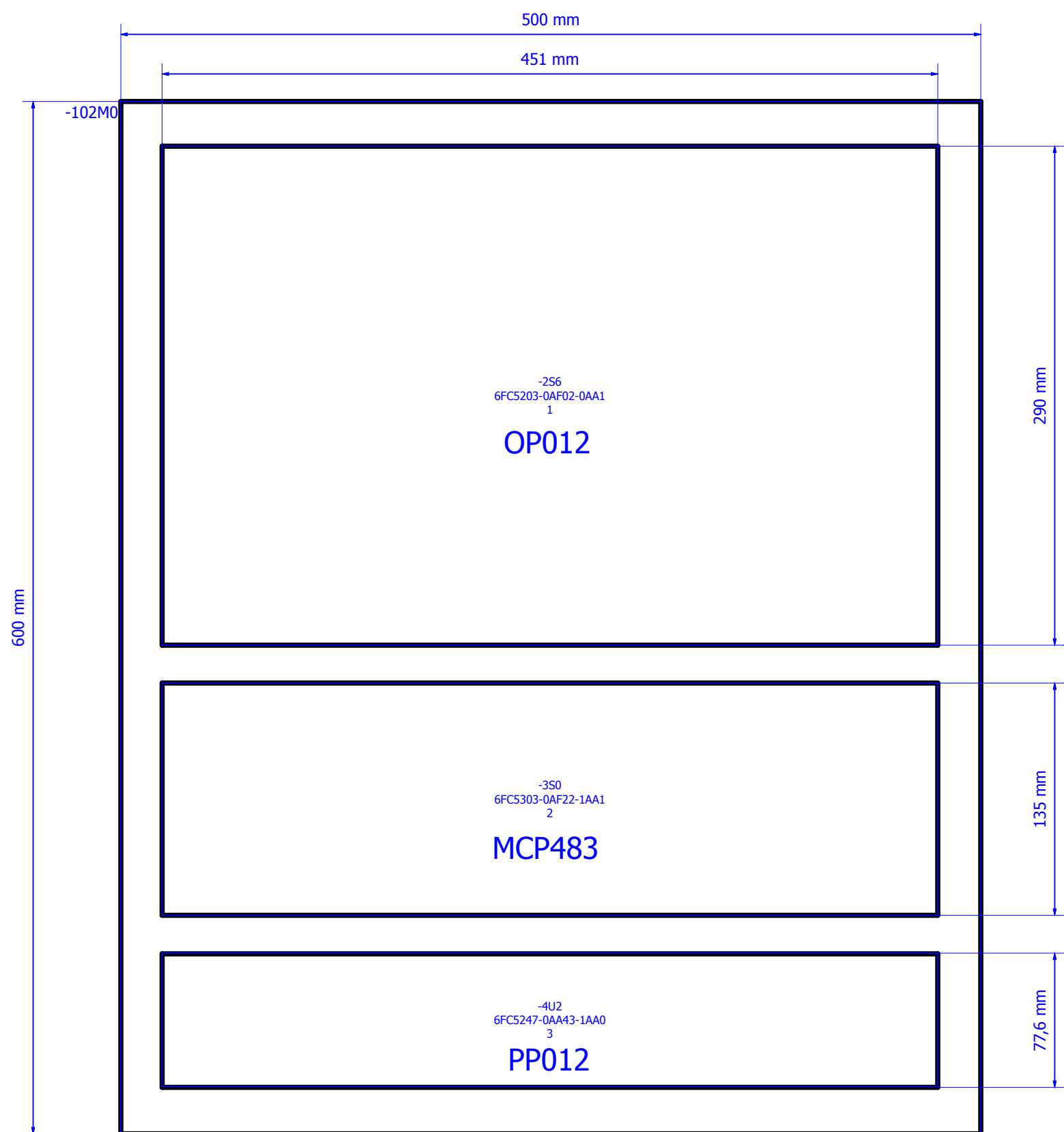




4S2	Maskin på	I3.0	Hvit bryter m/Hvit LED
4S3	Maskin av	I3.1	Sort bryter
4S4	Reset dører	I3.2	Hvit bryter m/Blå LED
4S6	Setup mode		Nøkkelpryter



T1	Tverrbjelke opp	DB1600.DBX7.7	T9	Delete Distance To Go	DB1600.DBX6.7
T2	Tverrbjelke ned	DB1600.DBX7.6	T10		DB1600.DBX6.6
T3		DB1600.DBX7.5	T11	Test Stop	DB1600.DBX6.5
T4	Kjølevann på/av	DB1600.DBX7.4	T12		DB1600.DBX6.4
T5	Deaktiver kjølevann	DB1600.DBX7.3	T13	Maskinlys	DB1600.DBX6.3
T6	Deksel verktøymag.	DB1600.DBX7.2	T14		DB1600.DBX6.2
T7	Løs ut verktøy	DB1600.DBX7.1	T15	Opphev endestopp	DB1600.DBX6.1
T8		DB1600.DBX7.0			



Parts list

[illegible]

Parts list

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Device tag	Quantity	Designation	Type number	Supplier	Part number
+X1	1	Top enclosure system double door, with mounting plate painted RAL 7035	TS.8206500	RIT	RIT.8206500
+X1	1	Top enclosure system painted RAL 7035, with mounting plate single-door	TS.8606500	RIT	RIT.8606500
+X1-1A0	1	Busbar E-Cu 57 Dimension: 30x5mm, 2400mm long	SV.3584000	RIT	RIT.3584000
+X1-1A0	1	RiLine60 busbar support 3-pole, interior attachment packs of 4	SV.9340000	RIT	RIT.9340000
+X1-1A0	1	RiLine60 end cover for SV 9340.000/010 packs of 2	SV.9340070	RIT	RIT.9340070
+X1-1A0	1	RiLine60 base tray L=1100mm, packs of 2 for flat rail system	SV.9340130	RIT	RIT.9340130
+X1-1A0	1	SV RiLine60 cover section L=1100mm, packs of 2	SV.9340210	RIT	RIT.9340210
+X1-1A0	1	RiLine60 support panel for SV 9340.200/210	SV.9340220	RIT	RIT.9340220
+X1-1A0	1	Connection adaptor 250 A, 690 V 3-pole, outlet top/bottom, max. 120 mm²	SV.9342250	RIT	RIT.9342250
+X1-2A0	1	Busbar E-Cu 57 Dimension: 30x5mm, 2400mm long	SV.3584000	RIT	RIT.3584000
+X1-2A0	1	RiLine60 busbar support 3-pole, interior attachment packs of 4	SV.9340000	RIT	RIT.9340000
+X1-2A0	1	RiLine60 end cover for SV 9340.000/010 packs of 2	SV.9340070	RIT	RIT.9340070
+X1-2A0	1	RiLine60 base tray L=1100mm, packs of 2 for flat rail system	SV.9340130	RIT	RIT.9340130
+X1-2A0	1	SV RiLine60 cover section L=1100mm, packs of 2	SV.9340210	RIT	RIT.9340210
+X1-2A0	1	RiLine60 support panel for SV 9340.200/210	SV.9340220	RIT	RIT.9340220
+X1-2A0	1	Connection adaptor 250 A, 690 V 3-pole, outlet top/bottom, max. 120 mm²	SV.9342250	RIT	RIT.9342250
+X1-6A1	1	SIRIUS SAFETY RELAY WITH RELAY RELEASE CIRCUITS (FK)	3TK2830-2CB30	SIE	SIE.3TK2830-2CB30
+X1-6A5	1	SIRIUS SAFETY RELAY WITH RELAY RELEASE CIRCUITS (FK)	3TK2830-2CB30	SIE	SIE.3TK2830-2CB30
+X1-9A0	1	TopTherm PLUS wall-mounted cooling unit 2500 W, comfort controller, 400/460 V, 50/60 Hz, RiNano coat, 5000 BTU/h, 1000 W evapo.	3TK329540	RIT	RIT.3329540
+X1-31A0	1	IM 151-3 PN HF	6ES7151-3BA23-0AB0	SIE	SIE.6ES7151-3BA23-0AB0
+X1-31A1	1	PM-E, DC 24V / TM-P15C22-01	6ES7138-4CA01-0AA0 / 6ES7193-4CE10-1AA0	SIE	SIE.6ES7138-4CA01-0AA0+TM-P15C22-01
+X1-31A1.1	1	4/8 F-DI, 24V DC / TM-E30C44-01	6ES7138-4FA04-0AB0 / 6ES7193-4CG30-0AA0	SIE	SIE.6ES7138-4FA04-0AB0+TM-E30C44-01
+X1-31A2	1	4/8 F-DO, 24V DC/2A / TM-E30C44-01	6ES7138-4FB03-0AB0 / 6ES7193-4CG30-0AA0	SIE	SIE.6ES7138-4FB03-0AB0+TM-E30C44-01
+X1-31A3	1	PM-E, DC 24V / TM-P15C22-01	6ES7138-4CA01-0AA0 / 6ES7193-4CE10-1AA0	SIE	SIE.6ES7138-4CA01-0AA0+TM-P15C22-01
+X1-31A3.1	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A4	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A4.1	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A4.2	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A5	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A5.1	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A6	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A6.1	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A6.2	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A7	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A7.1	1	8DI, 24V DC / TM-E15C24-01	6ES7131-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7131-4BF00-0AA0+TM-E15C24-01
+X1-31A8	1	8DO, 24V DC, 0.5A / TM-E15C24-01	6ES7132-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7132-4BF00-0AA0+TM-E15C24-01
+X1-31A8.1	1	8DO, 24V DC, 0.5A / TM-E15C24-01	6ES7132-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7132-4BF00-0AA0+TM-E15C24-01
+X1-31A8.2	1	PM-E, DC 24V / TM-P15C22-01	6ES7138-4CA01-0AA0 / 6ES7193-4CE10-1AA0	SIE	SIE.6ES7138-4CA01-0AA0+TM-P15C22-01
+X1-31A9	1	8DO, 24V DC, 0.5A / TM-E15C24-01	6ES7132-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7132-4BF00-0AA0+TM-E15C24-01
+X1-31A9.1	1	8DO, 24V DC, 0.5A / TM-E15C24-01	6ES7132-4BF00-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7132-4BF00-0AA0+TM-E15C24-01
+X1-32A0	1	PM-E, DC 24V / TM-P15C22-01	6ES7138-4CA01-0AA0 / 6ES7193-4CE10-1AA0	SIE	SIE.6ES7138-4CA01-0AA0+TM-P15C22-01
+X1-32A1	1	4DO ST, 24V DC, 2A / TM-E15C24-01	6ES7132-4BD32-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7132-4BD32-0AA0+TM-E15C24-01
+X1-32A1.1	1	4DO ST, 24V DC, 2A / TM-E15C24-01	6ES7132-4BD32-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7132-4BD32-0AA0+TM-E15C24-01
+X1-32A1.2	1	PM-E, DC 24V / TM-P15C22-01	6ES7138-4CA01-0AA0 / 6ES7193-4CE10-1AA0	SIE	SIE.6ES7138-4CA01-0AA0+TM-P15C22-01
+X1-32A2	1	4DO ST, 24V DC, 2A / TM-E15C24-01	6ES7132-4BD32-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7132-4BD32-0AA0+TM-E15C24-01
+X1-32A2.1	1	4DO ST, 24V DC, 2A / TM-E15C24-01	6ES7132-4BD32-0AA0 / 6ES7193-4CB30-0AA0	SIE	SIE.6ES7132-4BD32-0AA0+TM-E15C24-01
+X1-32A2.2	1	TERMINATING MODULE	6ES7193-4JA00-0AA0	SIE	SIE.6ES7193-4JA00-0AA0
+X1-1F4	1				3NP1143-1JC20
+X1-1F4	3	LV HRC FUSE LINK GL/GG WITH NON-INSULATED GRIP LUGS	3NA3136	SIE	SIE.3NA3136
+X1-1F7	1				3NP1133-1JC20
+X1-1F7	3	LV HRC FUSE LINK GL/GG WITH NON-INSULATED GRIP LUGS	3NA3022	SIE	SIE.3NA3022
+X1-2F1	1	CIRCUIT BREAKER 400V 25KA, 3POLE, D, 20A, D=70MM	5SY8320-8	SIE	SIE.5SY8320-8
+X1-2F1	1				5ST3010
+X1-2F1	1	OM-Adapter 25A, 690V, AWG 12 45x208mm, support frame 1, TS45A	SV.9340340	RIT	RIT.9340340
+X1-2F8	1	CIRCUIT BREAKER 400V 25KA, 2POLE, C, 6A, D=70MM	5SY8206-7	SIE	SIE.5SY8206-7
+X1-2F8	1				5ST3010

+X2/102

1.a

			Date	21.11.2015	Berthiez TFM 125 N		Parts list	125145		+ Rapporteur	
			Ed.	wictus						Page	1
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Modification	Date	Name	Original								

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Device tag	Quantity	Designation	Type number	Supplier	Part number
+X1-2F8.1	1	CIRCUIT BREAKER 400V 25KA, 2POLE, D, 4A, D=70MM	5SY8204-8	SIE	SIE.5SY8204-8
+X1-2F8.1	1				5ST3010
+X1-2F8.1	1	OM-Adapter 25A, 690V, AWG 12 45x208mm, support frame 1, TS45A	SV.9340340	RIT	RIT.9340340
+X1-4F1	1	SITOP PSE200U SELECTIVITY MODULE 10A	6EP1961-2BA41		SIE.6EP1961-2BA41
+X1-5F1	1	SITOP PSE200U SELECTIVITY MODULE 10A	6EP1961-2BA41		SIE.6EP1961-2BA41
+X1-8K2	1	CONTACTOR, AC-3, 3KW/400V, 1NC, DC 24V	3RT2015-1BB42	SIE	SIE.3RT2015-1BB42
+X1-8K6	1	CONTACTOR, AC-3, 3KW/400V, 1NC, DC 24V	3RT2015-1BB42	SIE	SIE.3RT2015-1BB42
+X1-8K6	1				3RT2916-1CB00
+X1-8K7	1	Relay Module	RIF-0-RPT-24DC/21	PXC	PXC.2903370
+X1-10K1	1	Hybrid motor starter	ELR H51-IESSC-24DC500AC-9	PXC	PXC.2902745
+X1-10K1	1	Adapter	EM RI-ADAPTER CLASSIC	PXC	PXC.2902831
+X1-10K5	1	Hybrid motor starter	ELR H51-IESSC-24DC500AC-9	PXC	PXC.2902745
+X1-10K5	1	Adapter	EM RI-ADAPTER CLASSIC	PXC	PXC.2902831
+X1-11K1	1	Hybrid motor starter	ELR H51-IESSC-24DC500AC-2	PXC	PXC.2902744
+X1-11K1	1	Adapter	EM RI-ADAPTER CLASSIC	PXC	PXC.2902831
+X1-11K5	1	Hybrid motor starter	ELR H51-IESSC-24DC500AC-2	PXC	PXC.2902744
+X1-11K5	1	Adapter	EM RI-ADAPTER CLASSIC	PXC	PXC.2902831
+X1-12K1	1	Hybrid motor starter	ELR H51-IESSC-24DC500AC-2	PXC	PXC.2902744
+X1-12K1	1	Adapter	EM RI-ADAPTER CLASSIC	PXC	PXC.2902831
+X1-12K5	1	Hybrid motor starter	ELR H51-IESSC-24DC500AC-06	PXC	PXC.2902746
+X1-12K5	1	Adapter	EM RI-ADAPTER CLASSIC	PXC	PXC.2902831
+X1-13K1	1	Hybrid motor starter	ELR H51-IESSC-24DC500AC-06	PXC	PXC.2902746
+X1-13K1	1	Adapter	EM RI-ADAPTER CLASSIC	PXC	PXC.2902831
+X1-13K5	1	Hybrid motor starter	ELR H51-IESSC-24DC500AC-06	PXC	PXC.2902746
+X1-13K5	1	Adapter	EM RI-ADAPTER CLASSIC	PXC	PXC.2902831
+X1-14K6	1	CONTACTOR, AC-3, 7.5KW/400V, 1NC	3RT2018-1BB42	SIE	SIE.3RT2018-1BB42
+X1-14K6	1				3RT2916-1CB00
+X1-14K7	1	CONTACTOR, AC-3, 7.5KW/400V, 1NC	3RT2018-1BB42	SIE	SIE.3RT2018-1BB42
+X1-14K7	1				3RT2916-1CB00
+X1-14K7.1	1	CONTACTOR, AC-3, 7.5KW/400V, 1NC	3RT2018-1BB42	SIE	SIE.3RT2018-1BB42
+X1-14K7.1	1				3RT2916-1CB00
+X1-14K9	1	CONTACTOR, AC-3, 7.5KW/400V, 1NC	3RT2018-1BB42	SIE	SIE.3RT2018-1BB42
+X1-14K9	1				3RT2916-1CB00
+X1-15K4	1	Relay Module	RIF-0-RPT-24DC/21	PXC	PXC.2903370
+X1-15K7	1	Relay Module	RIF-0-RPT-24DC/21	PXC	PXC.2903370
+X1-18K0	1				6FC5371-0AA30-0AB0
+X1-24M3	1				1FK7103-2AC71-1CH0
+X1-25M3	1				1FK7103-2AC71-1CH0
+X1-27M4	1				1PH8184-1DD05-0BD1-Z K90+V92
+X1-1Q0	1				3KA5330-1EE01
+X1-1Q0	1				3KX3552-3EA01
+X1-2Q3	1	CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10	3RV2011-1DA10	SIE	SIE.3RV2011-1DA10
+X1-2Q3	1	OM-Adapter 25A, 690V, AWG 12 45x208mm, support frame 1, TS45A	SV.9340340	RIT	RIT.9340340
+X1-2Q6	1	CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10	3RV2011-1FA10	SIE	SIE.3RV2011-1FA10
+X1-2Q6	1	OM-Adapter 25A, 690V, AWG 12 45x208mm, support frame 1, TS45A	SV.9340340	RIT	RIT.9340340
+X1-2Q6	1	LATERAL AUXILIARY SWITCH 1NO+1NC, SCREW CONNECTION	3RV2901-1A	SIE	SIE.3RV2901-1A
+X1-8Q1	1	CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10	3RV2011-1DA10	SIE	SIE.3RV2011-1DA10
+X1-8Q1	1	OM-Adapter 25A, 690V, AWG 12 45x208mm, support frame 1, TS45A	SV.9340340	RIT	RIT.9340340
+X1-14Q2	1	CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10	3RV2011-1KA15	SIE	SIE.3RV2011-1KA15
+X1-14Q2	1	LATERAL AUXILIARY SWITCH 1NO+1NC, SCREW CONNECTION	3RV2901-1A	SIE	SIE.3RV2901-1A
+X1-14Q3	1	CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10	3RV2011-1KA15	SIE	SIE.3RV2011-1KA15
+X1-14Q3	1	LATERAL AUXILIARY SWITCH 1NO+1NC, SCREW CONNECTION	3RV2901-1A	SIE	SIE.3RV2901-1A
+X1-9S6	1				SZ4127.010
+X1-9S7	1				SZ4127.010
+X1-16S1	1	22MM PLASTIC ROUND ACTUATOR:	3SB3000-1HA20	SIE	SIE.3SB3000-1HA20
+X1-16S1	2				3SB3400-0A

Parts list

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Device tag	Quantity	Designation	Type number	Supplier	Part number
+X1-16S1	1				3SB3921-0AB
+X1-22S4	1				3SB3001-2KA71
+X1-22S4	1	ACTUATOR-/INDICATOR COMPONENT CONTACT BLOCK	3SB3403-0C	SIE	SIE.3SB3403-0C
+X1-22S4	1	ACTUATOR-/INDICATOR COMPONENT WITH INTEGRATED LED 24V AC/DC	3SB3403-1PE	SIE	SIE.3SB3403-1PE
+X1-Skap1	1	Wiring plan pockets of sheet steel for 600 mm wide doors	TS.4116000	RIT	RIT.4116000
+X1-Skap1	1	Mounting plate infill for 2000 mm enclosure height	TS.4591700	RIT	RIT.4591700
+X1-Skap1	1	Side panels, pair, for 2000 X 600 mm RAL 7035	TS.8106235	RIT	RIT.8106235
+X1-Skap1	1	Base/plinth baying bracket RAL 8019	TS.8601100	RIT	RIT.8601100
+X1-Skap1	1	Baying bracket TS/TS	TS.8800430	RIT	RIT.8800430
+X1-Skap1	1	Base/plinth components front and rear, 200 mm high	TS.8602200	RIT	RIT.8602200
+X1-Skap1	1	Base/plinth components front and rear, 200 mm high	TS.8602600	RIT	RIT.8602600
+X1-Skap1	1	Quick-fit baying clamps TS	TS.8800500	RIT	RIT.8800500
+X1-Skap1	1				8601060
+X1-Skap1	1				8602060
+X1-2T8	1				SU150C-400230
+X1-3T1	1	SITOP PSU300M 40 STABILIZED POWER SUPPLY	6EP1437-3BA10		SIE.6EP1437-3BA10
+X1-23T2	1				6SL3100-0BE28-0AB0
+X1-24T3	1				6SL3120-1TE21-8AA4
+X1-25T3	1				6SL3120-1TE21-8AA4
+X1-26T3	1				6SL3130-7TE28-0AA3
+X1-27T3	1				6SL3120-1TE31-3AA3
+X1-28T2	1				6SL3055-0AA00-5CA2
+X1-29T2	1				6SL3055-0AA00-5CA2
+X1-30T2	1				6SL3055-0AA00-5CA2
+X1-7U2	1	Courtesy light with door-operated switch 30W/100-240V	SZ.4139350	RIT	RIT.4139350
+X1-7U6	1	Courtesy light with door-operated switch 14W/100-240V	SZ.4139150	RIT	RIT.4139150
+X1-9U1	1				SK 3284.210
+X1-10U0	1				23050
+X1-10U4	1				23050
+X1-11U0	1				23050
+X1-11U4	1				23050
+X1-12U0	1				23050
+X1-12U4	1				23050
+X1-13U0	1				23050
+X1-13U4	1				23050
+X1-17U1	1				TP3-4141K024M
+X1-17U1	1				SN40 88MM
+X1-20U4	1				6GK5005-0BA00-1AA3
+X1-21U2	1	Patch panels	FL-PP-RJ45-SCC	PXC	PXC.2901642
+X1-21U4	1	Patch panels	FL-PP-RJ45-SCC	PXC	PXC.2901642
+X1-21U6	1	Patch panels	FL-PP-RJ45-SCC	PXC	PXC.2901642
+X1-22U3	1				26902
+X1-1V7	1				B84143A0066R105
+X1-23V3	1				6SL3000-0BE28-0DA0
+X1-1W0	1	ÖLFLEX FD CLASSIC 810 25G1	ÖLFLEX® FD CLASSIC 810	LAPP	LAPP.0026139
+X1-7W0	1	Connection cable length of cable 3000 mm power supply	SZ.4315100	RIT	RIT.4315100
+X1-7W5	1	Connection cable through-wiring length of cable 1000 mm	SZ.4315200	RIT	RIT.4315200
+X1-18W6	1				6XV1840-2AH10
+X1-18W7	1				6XV1840-2AH10
+X1-18W8	1				6XV1840-2AH10
+X1-20W3	1				6XV1840-2AH10
+X1-21W3	1				6XV1840-2AH10
+X1-21W6	1				6XV1840-2AH10
+X1-24W3	1				6FX8002-5DN31-1BH0
+X1-25W3	1				6FX8002-5DN31-1BH0
+X1-27W4	1				6FX8002-5DN31-1BH0

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Parts list

[illegible]

Terminal diagram

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Function text								-1W0	Cable name	Strip =+X1-X2 Tilkobling operatørpanel					Cable name						Page / column
								ÖLFLEX® FD CLASSIC 810	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					
Tilførsel nødstop kanal 1								1		+X2-X1	1	1		-16S1	12						+X2/1.1
Tilførsel nødstop kanal 2								2		+X2-X1	2	2		-16S1	22						+X2/1.1
Nødstop kanal 1								3		+X2-X1	3	3		-X36	1						+X2/1.2
Nødstop kanal 2								4		+X2-X1	4	4		-X36	3						+X2/1.2
24V6								5		+X2-X1	5	5		-4F1	4						+X2/1.2
0V								6		+X2-X1	6	6		-X1	24						+X2/1.2
Tilførsel setup mode kanal 1								7		+X2-X1	7	7		-31A1.1	6						+X2/1.3
Tilførsel setup mode kanal 2								8		+X2-X1	8	8		-31A1.1	14						+X2/1.3
Setup mode kanal 1								9		+X2-X1	9	9		-31A1.1	5						+X2/1.4
Setup mode kanal 2								10		+X2-X1	10	10		-31A1.1	13						+X2/1.4
Tilførsel dødmannsknapp Mini-HHU kanal 1								11		+X2-X1	11	11		-31A1.1	8						+X2/1.5
Tilførsel dødmannsknapp Mini-HHU kanal 2								12		+X2-X1	12	12		-31A1.1	16						+X2/1.5
Dødmannsknapp Mini-HHU kanal 1								13		+X2-X1	13	13		-31A1.1	7						+X2/1.5
Dødmannsknapp Mini-HHU kanal 2								14		+X2-X1	14	14		-31A1.1	15						+X2/1.5
Inngang maskin på								15		+X2-X1	15	15		-31A4.2	1						+X2/1.6
Inngang maskin av								16		+X2-X1	16	16		-31A4.2	5						+X2/1.6
Inngang reset dører								17		+X2-X1	17	17		-31A4.2	2						+X2/1.7
								18		+X2-X1	18	18		-31A4.2	6						+X2/1.7
Utgang lys maskin på								19		+X2-X1	19	19		-31A8.1	1						+X2/1.7
Utgang lys reset dører								20		+X2-X1	20	20		-31A8.1	5						+X2/1.8
								21		+X2-X1	21	21		-31A8.1	2						+X2/1.8
								22		+X2-X1	22	22		-31A8.1	6						+X2/1.8
PE								GNYE		+X2-X1	PE	PE		-X11	PE						+X2/1.3

Terminal diagram

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Function text								-7W0	Cable name	Strip =+X1-X10 230V fordeling						Cable name							Page / column
									Connection cable	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type						
230V L10											-7U2		10	●	-2F8.1	2							/7.1
=											-9X2	1	10	●	-2F8.1	2							/7.4
=											-9X3	1	10	●	-2F8.1	2							/7.5
=											-8K6	1	10	●	-2F8.1	2							/8.3
230V L11											-7U2		11	●	-2F8.1	4							/7.1
=											-9X2	2	11	●	-2F8.1	4							/7.4
=											-9X3	2	11	●	-2F8.1	4							/7.5
=											-8K6	3	11	●	-2F8.1	4							/8.4
PE											-7U2		PE	•	PE								/7.1
=											-9X2	PE	PE	•	PE								/7.4
=											-9X3	PE	PE	•	PE								/7.5

Terminal diagram

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Function text									Cable name	Strip =+X1-X11 Maskinlys 230V og 24V					Cable name						Page / column
										Target designation	Connection point	Terminal	Jumper	Target designation							
230V L10												1	┌ └	-8K6	2						/8.3
24V											3	-8K7		14						/8.8	
230V L11											2	-8K6		4						/8.4	
0V								-X1		5	4									/8.8	
PE											PE	.		-X2	PE					/8.4	
														-X20	36						
														PE							
														-9A0	X1:PE						

Terminal diagram

F13_001

Function text										Cable name	Strip =+X1-X20 Tilkobling motorer						Cable name						Page / column
											Target designation	Connection point	Terminal	Jumper	Target designation	Connection point							
Hydraulikk verktøymagasin U											-10M1	U1	1	•	-10K1	2/T1							/10.1
Hydraulikk verktøymagasin V											-10M1	V1	2	•	-10K1	4/T2							/10.1
Hydraulikk verktøymagasin W											-10M1	W1	3	•	-10K1	6/T3							/10.1
Hydraulikk verktøymagasin PE											-10M1	PE	4	•	-10U0								/10.1
Tverrbjelke U											-10M5	U1	5	•	-10K5	2/T1							/10.5
Tverrbjelke V											-10M5	V1	6	•	-10K5	4/T2							/10.5
Tverrbjelke W											-10M5	W1	7	•	-10K5	6/T3							/10.6
Tverrbjelke PE											-10M5	PE	8	•	-10U4								/10.6
Kjølevannspumpe U											-11M1	U1	9	•	-11K1	2/T1							/11.1
Kjølevannspumpe V											-11M1	V1	10	•	-11K1	4/T2							/11.1
Kjølevannspumpe W											-11M1	W1	11	•	-11K1	6/T3							/11.1
Kjølevannspumpe PE											-11M1	PE	12	•	-11U0								/11.1
Smøring girkasse U											-11M5	U1	13	•	-11K5	2/T1							/11.5
Smøring girkasse V											-11M5	V1	14	•	-11K5	4/T2							/11.5
Smøring girkasse W											-11M5	W1	15	•	-11K5	6/T3							/11.6
Smøring girkasse PE											-11M5	PE	16	•	-11U4								/11.6
Vifte spindelmotor U											-12M1	U1	17	•	-12K1	2/T1							/12.1
Vifte spindelmotor V											-12M1	V1	18	•	-12K1	4/T2							/12.1
Vifte spindelmotor W											-12M1	W1	19	•	-12K1	6/T3							/12.1
Vifte spindelmotor PE											-12M1	PE	20	•	-12U0								/12.1
Filterduk kjølevann U											-12M5	U1	21	•	-12K5	2/T1							/12.5
Filterduk kjølevann V											-12M5	V1	22	•	-12K5	4/T2							/12.5
Filterduk kjølevann W											-12M5	W1	23	•	-12K5	6/T3							/12.6
Filterduk kjølevann PE											-12M5	PE	24	•	-12U4								/12.6
Magnetfilter kjølevann U											-13M1	U1	25	•	-13K1	2/T1							/13.1
Magnetfilter kjølevann V											-13M1	V1	26	•	-13K1	4/T2							/13.1
Magnetfilter kjølevann W											-13M1	W1	27	•	-13K1	6/T3							/13.1
Magnetfilter kjølevann PE											-13M1	PE	28	•	-13U0								/13.1
Smøring RAM U											-13M5	U1	29	•	-13K5	2/T1							/13.5
Smøring RAM V											-13M5	V1	30	•	-13K5	4/T2							/13.5
Smøring RAM W											-13M5	W1	31	•	-13K5	6/T3							/13.6
Smøring RAM PE											-13M5	PE	32	•	-13U4								/13.6
Slipespindel U1											-14M2	U1	33	•	-14K6	2							/14.2
Slipespindel V1											-14M2	V1	34	•	-14K6	4							/14.2
Slipespindel W1											-14M2	W1	35	•	-14K6	6							/14.2

Terminal diagram

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Function text										Cable name	Strip =+X1-X20 Tilkobling motorer					Cable name						Page / column
											Target designation	Connection point	Terminal	Jumper	Target designation	Connection point						
Slipespindel PE											-14M2		36	•	-X11	PE						/14.2
Slipespindel U2											-14M2	U2	37	•	-14K7	2						/14.4
Slipespindel V2											-14M2	V2	38	•	-14K7	4						/14.4
Slipespindel W2											-14M2	W2	39	•	-14K7	6						/14.4
Vifte spindelmotor L1											-8M1	1	41		-8Q1	2						/8.1
Vifte spindelmotor L2											-8M1	2	42		-8Q1	6						/8.1
Vifte spindelmotor PE											-8M1	PE	43		PE							/8.2

Terminal diagram

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Function text										Cable name	Strip =+X1-X25 Innganger fra maskin						Cable name						Page / column
										Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type						
Gir 1											-44S1	14	1		-31A5	1							/44.1
Smøretrykk spindelkasse											-44S1.1	14	2		-31A5	2							/44.1
Låsehake ute											-44S2	14	3		-31A5	3							/44.2
Tverrbjelke opplåst (spindel stopp)											-44S3	14	4		-31A5	4							/44.3
Gir 2											-44S5	12	5		-31A5	5							/44.5
Låsehake ute													6		-31A5	6							/44.6
Låsetrykk for lavt tverrbjelke											-44S6.1	14	7		-31A5	7							/44.6
Tverrbjelke opplåst											-44S7	14	8		-31A5	8							/44.7
Tverrbjelke pos. kontroll											-45S1	14	9		-31A5.1	1							/45.1
Verktøyveksle pos. X											-45S1.1	12	10		-31A5.1	2							/45.1
Venstre endestopp											-45S2	12	11		-31A5.1	3							/45.2
VV: Sakte X											-45S3	12	12		-31A5.1	4							/45.3
Avlasting mutter tverrbjelke											-45S5	14	13		-31A5.1	5							/45.5
Høyre stopp arb. område											-45S6	12	14		-31A5.1	6							/45.6
Referanse X											-45S6.1	12	15		-31A5.1	7							/45.6
Maks X											-45S7	12	16		-31A5.1	8							/45.7
Smøring RAM											-46S1	14	17		-31A6	1							/46.1
Fin de course haut de coulant											-46S1.1	12	18		-31A6	2							/46.1
Sakte opp/ned											-46S2	12	19		-31A6	3							/46.2
Sakte Z											-46S3	12	20		-31A6	4							/46.3
Endestopp ned											-46S5	12	21		-31A6	5							/46.5
Endestopp opp											-46S6	12	22		-31A6	6							/46.6
Referanse Z											-46S6.1	12	23		-31A6	7							/46.6
Verktøyveksle pos. Z											-46S7	12	24		-31A6	8							/46.7
Maks Z											-47S1	12	25		-31A6.1	1							/47.1
Luke åpen											-47B1	3	26		-31A6.1	2							/47.1
Verktøynummer A											-47B2	3	27		-31A6.1	3							/47.2
Verktøynummer C											-47B3	3	28		-31A6.1	4							/47.3
Contact sécurité soufflets mo											-47S5	12	29		-31A6.1	5							/47.5
Verktøy i lomme											-47B6	3	30		-31A6.1	6							/47.6
Verktøynummer B											-47B6.1	3	31		-31A6.1	7							/47.6
Verktøynummer D											-47B7	3	32		-31A6.1	8							/47.7
Verktøynummer E											-48B1	3	33		-31A6.2	1							/48.1
Verktøynummer G											-48B1.1	3	34		-31A6.2	2							/48.1
Verktøynummer I											-48B2	3	35		-31A6.2	3							/48.2

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Terminal diagram

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Function text									Cable name	Strip =+X1-X25 Innganger fra maskin					Cable name						Page / column
										Target designation	Connection point	Terminal	Jumper	Target designation	Connection point						
Luke åpen/lukket										-48S3	14	36		-31A6.2	4						/48.3
Verktøynummer F										-48B5	3	37		-31A6.2	5						/48.5
Verktøynummer H										-48B6	3	38		-31A6.2	6						/48.6
Verktøyholder pos. sikkerhet										-48S6	14	39		-31A6.2	7						/48.6
Luke åpen/lukket										-48S7	12	40		-31A6.2	8						/48.7
Indeksbolt inne										-49S1	14	41		-31A7	1						/49.1
Verktøy låst										-49S1.1	14	42		-31A7	2						/49.1
Trykk verktøy låst										-49S2	14	43		-31A7	3						/49.2
Temperatur hydraulikk										-49S3	14	44		-31A7	4						/49.3
Indeksbolt ute										-49S5	14	45		-31A7	5						/49.5
Verktøy opplåst										-49S6	14	46		-31A7	6						/49.6
Nivå papirfilter kjølevann										-49S6.1	14	47		-31A7	7						/49.6
Filtervakt hydraulikk										-49S7	14	48		-31A7	8						/49.7
Nivå hydraulikktank										-50S1	12	49		-31A7.1	1						/50.1
Endestopp tverrbjelke ned										-50S1.1	12	50		-31A7.1	2						/50.1
										-50S2	12	51		-31A7.1	3						/50.2
										-50S2	14	52		-31A7.1	4						/50.3
Endestopp tverrbjelke opp										-50S5	12	53		-31A7.1	5						/50.5
												54		-31A7.1	6						/50.6
												55		-31A7.1	7						/50.6
												56		-31A7.1	8						/50.7
										-44S1	13	+	●	-X35	1						/44.1
										-44S1.1	13	+	●								/44.1
										-44S2	13	+	●								/44.2
										-44S3	13	+	●								/44.3
										-44S5	11	+	●								/44.5
										-44S6.1	13	+	●								/44.6
										-44S7	13	+	●								/44.7
										-45S1	13	+	●								/45.1
										-45S1.1	11	+	●								/45.1
										-45S2	11	+	●								/45.2
										-45S3	11	+	●								/45.3
										-45S5	13	+	●								/45.5
										-45S6	11	+	●								/45.6
										-45S6.1	11	+	●								/45.6

Terminal diagram

F13_001

Function text										Cable name	Strip =+X1-X25 Innganger fra maskin						Cable name						Page / column
											Target designation	Connection point	Terminal	Jumper	Target designation	Connection point							
											-45S7	11	+	●									/45.7
											-46S1	13	+	●									/46.1
											-46S1.1	11	+	●									/46.1
											-46S2	11	+	●									/46.2
											-46S3	11	+	●									/46.3
											-46S5	11	+	●									/46.5
											-46S6	11	+	●									/46.6
											-46S6.1	11	+	●									/46.6
											-46S7	11	+	●									/46.7
											-47S1	11	+	●									/47.1
											-47B1	1	+	●									/47.1
											-47B2	1	+	●									/47.2
											-47B3	1	+	●									/47.3
											-47S5	11	+	●									/47.5
											-47B6	1	+	●									/47.6
											-47B6.1	1	+	●									/47.6
											-47B7	1	+	●									/47.7
											-48B1	1	+	●									/48.1
											-48B1.1	1	+	●									/48.1
											-48B2	1	+	●									/48.2
											-48S3	13	+	●									/48.3
											-48B5	1	+	●									/48.5
											-48B6	1	+	●									/48.6
											-48S6	13	+	●									/48.6
											-48S7	11	+	●									/48.7
											-49S1	13	+	●									/49.1
											-49S1.1	13	+	●									/49.1
											-49S2	13	+	●									/49.2
											-49S3	13	+	●									/49.3
											-49S5	13	+	●									/49.5
											-49S6	13	+	●									/49.6
											-49S6.1	13	+	●									/49.6
											-49S7	13	+	●									/49.7
											-50S1	11	+	●									/50.1
											-50S1.1	11	+	●									/50.1

8.a

			Date	21.11.2015
			Ed.	wictus
			Appr	
Modification	Date	Name	Original	

Berthiez TFM 125 N



Terminal diagram =+X1-X25

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+ Rapporteur

8.c

Terminal diagram

F13_001

Function text									Cable name	Strip =+X1-X35 Tilkobling endestopper						Cable name						Page / column
										Target designation	Connection point	Terminal	Jumper	Target designation	Connection point							
24V12										-15S1	11	1		-X25	+							/15.1
														-5F1	2							
														-31A3	2							
														-31A1	2							
														-X50	5							
Endestoppkrets												2		-15S1	12							/15.1
=										-15S1.1	11	3			12							/15.1
=												4		-15S1.1	12							/15.1
=										-15S2	11	5										/15.2
=												6		-15S2	12							/15.2
=										-15S2.1	11	7										/15.2
=										-15K4	A1+	8		-15S2.1	12							/15.2
										-31A4	2											

8.c

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Terminal diagram

F13_001

Function text									Cable name	Strip =+X1-X36 Tilkobling nødstopp					Cable name					Page / column	
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					
Nødstopp Kanal 1 Tilførsel												1		-X2	3					/16.3	
Nødstopp Kanal 1											2										/16.3
Nødstopp Kanal 2 Tilførsel											3				-X2		4				/16.3
Nødstopp Kanal 2											4										/16.3
Nødstopp Kanal 1 Tilførsel											5										/16.3
Nødstopp Kanal 1										-31A1.1	1	6								/16.3	
Nødstopp Kanal 2 Tilførsel											7										/16.3
Nødstopp Kanal 2										-31A1.1	9	8									/16.3

Terminal diagram

F13_001

Function text									Cable name	Strip =+X1-X40 Tilkobling ventiler						Cable name						Page / column
										Target designation	Connection point	Terminal	Jumper	Target designation	Connection point							
Ventil girkasse 1. gir										-57Y1	x1	1	•	-32A1	1							/57.1
Ventil smøring girkasse										-57Y1.1	x1	2	•	-32A1	2							/57.1
Ventil girkasse 2. gir										-57Y5	x1	3	•	-32A1	5							/57.5
Ventil kjølevann										-57Y6	x1	4	•	-32A1	6							/57.6
Ventil clamping tverrbjelke										-58Y1	x1	5	•	-32A1.1	1							/58.1
Ventil låsehake tverrbjelke										-58Y1.1	x1	6	•	-32A1.1	2							/58.1
Ventil unclamping tverrbjelke										-58Y5	x1	7	•	-32A1.1	5							/58.5
Ventil smøring vanger										-58Y6	x1	8	•	-32A1.1	6							/58.6
Ventil lukke deksel på verktøyveksler										-60Y1	x1	9	•	-32A2	1							/60.1
Ventil høytrykk										-60Y1.1	x1	10	•	-32A2	2							/60.1
Ventil åpne deksel på verktøyveksler										-60Y5	x1	11	•	-32A2	5							/60.5
Ventil roter verktøyveksler										-60Y6	x1	12	•	-32A2	6							/60.6
Ventil indeksbolt verktøyveksler										-61Y1	x1	13	•	-32A2.1	1							/61.1
Ventil unclamp verktøy										-61Y1.1	x1	14	•	-32A2.1	2							/61.1
Ventil clamp verktøy										-61Y5	x1	15	•	-32A2.1	5							/61.5
												16	•	-32A2.1	6							/61.6
										-57Y1	x2	-	•	-6A5	24							/57.1
										-57Y1.1	x2	-	•	-6A5	24							/57.1
										-57Y5	x2	-	•	-6A5	24							/57.5
										-57Y6	x2	-	•	-6A5	24							/57.6
										-58Y1	x2	-	•	-6A5	24							/58.1
										-58Y1.1	x2	-	•	-6A5	24							/58.1
										-58Y5	x2	-	•	-6A5	24							/58.5
										-58Y6	x2	-	•	-6A5	24							/58.6
										-60Y1	x2	-	•	-6A5	24							/60.1
										-60Y1.1	x2	-	•	-6A5	24							/60.1
										-60Y5	x2	-	•	-6A5	24							/60.5
										-60Y6	x2	-	•	-6A5	24							/60.6
										-61Y1	x2	-	•	-6A5	24							/61.1
										-61Y1.1	x2	-	•	-6A5	24							/61.1
										-61Y5	x2	-	•	-6A5	24							/61.5
												-	•	-6A5	24							/61.6

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			Date	31.07.2015
			Ed.	wictus
			Appr	
Modification	Date	Name	Original	

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Terminal diagram =+X1-X40

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