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WIRE WEAVING AND MACHINE FACTORY

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electrical documentation  
Elektro - Dokumentation

customer :  
Kunde

Order no. :  
Auftragsnummer

operating voltage : 3/PE/400V 50Hz  
Betriebsspannung

code word :  
Kennwort

control voltage : 230 VAC / 24 VDC  
Steuerspannung

Orderer :  
Auftraggeber :

drawing no. :  
Orderer  
Zeichnungs Nr.  
Auftraggeber

remark : external control  
Bemerkung Außensteuerung

drawing no. Zeichnungsnummer	kind of drawing Planart	page Blatt	location Einbauort	installation Anlage	page designation Blattbenennung	date of prep. Datum Erst.	date of revision Datum Rev.	revision Revision		
5 01 244524 75 02	Deckblatt cover sheet	1				07.10.2005	23.01.2006	1		
5 02 244524 75 02	Inhaltsverzeichnis table of contents	1			Inhaltsverzeichnis table of contents	13.02.2006				
5 02 244524 75 02	Inhaltsverzeichnis table of contents	2			Inhaltsverzeichnis table of contents	13.02.2006				
5 02 244524 75 02	Inhaltsverzeichnis table of contents	3			Inhaltsverzeichnis table of contents	13.02.2006				
5 02 244524 75 02	Inhaltsverzeichnis table of contents	4			Inhaltsverzeichnis table of contents	13.02.2006				
5 02 244524 75 02	Inhaltsverzeichnis table of contents	5			Inhaltsverzeichnis table of contents	13.02.2006				
5 02 244524 75 02	Inhaltsverzeichnis table of contents	6			Inhaltsverzeichnis table of contents	13.02.2006				
5 02 244524 75 02	Inhaltsverzeichnis table of contents	7			Inhaltsverzeichnis table of contents	13.02.2006				
5 03 244524 75 02	Legende legend	1			Legende legend	23.01.2006	23.01.2006	1		
5 03 244524 75 02	Legende legend	2			Legende legend	23.01.2006	23.01.2006	1		
5 03 244524 75 02	Legende legend	3			Legende legend	23.01.2006	23.01.2006	1		
5 03 244524 75 02	Legende legend	4			Legende legend	23.01.2006	23.01.2006	1		
5 03 244524 75 02	Legende legend	5			Legende legend	23.01.2006	23.01.2006	1		
5 03 244524 75 02	Legende legend	6			Legende legend	05.10.2005	23.01.2006	1		
5 03 244524 75 02	Legende legend	7			Legende legend	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	1	+	=0	Einspeisung power supply	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	2	+	=0	Not - Aus emergency stop	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	3	+	=0	Steuerspannung 230V AC control voltage 230V AC	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	4	+	=0	Steuerspannung 24V DC control voltage 24V DC	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	5	+	=0	Kontaktaustausch Eingänge signal exchange inputs	05.10.2005	23.01.2006	1		
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5 04 244524 75 02	Stromlaufplan circuit diagram	6	+	=0	Kontaktaustausch Ausgänge signal exchange outputs	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	7	+	=0	Schaltschrank Belüftung Entlüftung switch cabinet aeration deaeration	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	8	+	=0	Anfahrwarnung start-up warning	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	9	+	=0	Sicherung Abfrage fuse inquiry	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	10	+	=0	Bedienelemente operator components	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	11	+	=0	SPS PLC	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	12	+	=642RF040	Ventil valve	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	13	+	=642RF040	Doppelzellenradschleuse double rotary feeder	06.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	14	+	=642PM051	Roto-Packer Drehantrieb Roto-Packer rotary drive	06.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	15	+	=642PM051	Roto-Packer Drehantrieb Roto-Packer rotary drive	09.11.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	16	+	=642PM051	Roto-Packer Schutztüren Roto-Packer protection doors	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	17	+	=642PM051	Roto-Packer Schutztüren Roto-Packer protection doors	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	18	+	=642PM052A01	Roto-Packer Einspeisung Roto-Packer power supply	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	19	+	=642PM052A01	Roto-Packer Roto-Packer	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	20	+	=642PM052A01	HAYER TP104 Micro Innovation HAYER TP104 Micro Innovation	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	21	+	=642PM052A01	HAYER MEC III HAYER MEC III	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	22	+	=642PM052A01	HAYER MEC III - SERVER HAYER MEC III - SERVER	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	23	+	=642PM052A01	HAYER MEC III - SERVER Eingangskarte HAYER MEC III - SERVER input card	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	24	+	=642PM052A01	HAYER MEC III - SERVER Eingangskarte HAYER MEC III - SERVER input card	05.10.2005	23.01.2006	1		
5 04 244524 75 02	Stromlaufplan circuit diagram	25	+	=642PM052A01	HAYER MEC III - SERVER Eingangskarte HAYER MEC III - SERVER input card	05.10.2005	23.01.2006	1		
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5 04 244524 75 02	Stromlaufplan circuit diagram	26	+	=642PM052A01	HAYER MEC III - SERVER Ausgangskarte HAYER MEC III - SERVER output card	05.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	27	+	=642PM052A01	HAYER MEC III - SERVER Ausgangskarte HAYER MEC III - SERVER output card	05.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	28	+	=642PM052A01	HAYER MEC III - SERVER Ausgangskarte HAYER MEC III - SERVER output card	05.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	29	+	=642PM053A02	Einspeisung RADIMAT power supply RADIMAT	05.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	30	+	=642BC060	Reißleinenschalter pull-cord switch	05.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	31	+	=642BC060	Austrageband discharge belt	06.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	32	+	=642BC060	Sackstau bag jam	05.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	33	+	=642BC070	Sackrichtband bag directing belt	06.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	34	+	=642FN071	Ventilator fan	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	35	+	=642WF080	Kontrollwaage Check weigher	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	36	+	=642WF080	Kontrollwaage Check weigher	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	37	+	=642WF080	Kontrollwaage Check weigher	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	38	+	=642BD85	Sackausschleusung Bandantrieb bag rejecting device belt drive	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	39	+	=642BD86	Hebevorrichtung Sackausschleusung lifting device bag rejecting device	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	40	+	=642BD86	Initiator Sackausschleusung initiator bag rejecting device	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	41	+	=642CR090	Sackzerkleinerer bag destroyer	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	42	+	=642CR095	Siebtrommel screen drum	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	43	+	=642BC100	Flachgurtförderer flat belt conveyor	07.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	44	+	=642BC100	Sackvorwahlzähler bag preselection counter	05.10.2005	23.01.2006	1	
5 04 244524 75 02	Stromlaufplan circuit diagram	45	+	=642BD145M01	Ableitstation Bandantrieb deflection station belt drive	07.10.2005	23.01.2006	1	
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5 04 244524 75 02	Stromlaufplan circuit diagram	46	+	=642BD145M02	Ableitstation Schwenkantrieb deflection station slewable drive	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	47	+	=642BD145M02	Ableitstation Schwenkantrieb deflection station slewable drive	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	48	+	=642LM120	LKW-Belademaschine truck loader	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	49	+	=642BD150M01	Ableitstation Bandantrieb deflection station belt drive	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	50	+	=642DB150M02	Ableitstation Schwenkantrieb deflection station slewable drive	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	51	+	=642DB150M02	Ableitstation Schwenkantrieb deflection station slewable drive	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	52	+	=642LM130	LKW-Belademaschine truck loader	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	53	+		Reserve Flachgurtförderer spare flat belt conveyor	22.11.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	54	+		Reserve Flachgurtförderer spare flat belt conveyor	22.11.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	55	+		Reserve Flachgurtförderer spare flat belt conveyor	22.11.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	56	+		Reserve spare	22.11.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	57	+	=642 40	Rückmehlschnecke spillage return screw	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	58	+	=642BE010M01	Becherwerk bucket elevator	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	59	+	=642BE010M01	Becherwerk Füllstand bucket elevator level	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	60	+	=642BE010M02	Becherwerk Hilfsantrieb bucket elevator auxiliary drive	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	61	+	=642BE010M02	Becherwerk Hilfsantrieb bucket elevator auxiliary drive	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	62	+	=642VS020	Schwingsieb vibrating screen	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	63	+	=642BI030	Vorbunker Füllstand pre hopper level	05.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	64	+	=642BF160	Filtersteuerung filter control	05.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	65	+	=642FN165	Entstaubungsventilator dedusting fan	07.10.2005	23.01.2006	1

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5 04 244524 75 02	Stromlaufplan circuit diagram	66	+	=642 61	Rückmehlschnecke spillage return screw	07.10.2005	23.01.2006	1
5 04 244524 75 02	Stromlaufplan circuit diagram	67	+	=642RF162	Zellenradschleuse rotary feeder	07.10.2005	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	1	+	=0	=0+ -0X4,=0+ -0X5	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	2	+	=0	=0+ -X2,=0+ -X3,=0+ -X5,=0+ -X7	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	3	+	=642RF040	=642RF040+ -X1,=642RF040+ -X4	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	4	+	=642PM051	=642PM051+ -X2,=642PM051+ -X7	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	5	+	=642PM052A01	=642PM052A01+ -X1,=642PM052A01+ -X2,=642PM052A01+ -X	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	6	+	=642PM053A02	=642PM053A02+ -X1,=642PM053A02+ -X5	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	7	+	=642BC060	=642BC060+ -X1,=642BC060+ -X4,=642BC060+ -X5	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	8	+	=642BC070	=642BC070+ -X1	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	9	+	=642FN071	=642FN071+ -X1,=642FN071+ -X7	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	10	+	=642WF080	=642WF080+ -X1,=642WF080+ -X2,=642WF080+ -X4 ...	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	11	+	=642WF080	=642WF080+ -X7	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	12	+	=642BD85	=642BD85+ -X1	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	13	+	=642BD86	=642BD86+ -X1,=642BD86+ -X5	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	14	+	=642CR090	=642CR090+ -X1	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	15	+	=642CR095	=642CR095+ -X1	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	16	+	=642BC100	=642BC100+ -X1,=642BC100+ -X5	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	17	+	=642BD145M01	=642BD145M01+ -X1	13.02.2006	23.01.2006	1
5 05 244524 75 02	Klemmenplan terminal diagram	18	+	=642BD145M02	=642BD145M02+ -X1,=642BD145M02+ -X5	13.02.2006	23.01.2006	1

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5 05 244524 75 02	Klemmenplan terminal diagram	19	+	=642LM120	=642LM120+ -X1,=642LM120+ -X5	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	20	+	=642BD150M01	=642BD150M01+ -X1	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	21	+	=642DB150M02	=642DB150M02+ -X1,=642DB150M02+ -X5	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	22	+	=642LM130	=642LM130+ -X1,=642LM130+ -X5	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	23	+	=642 40	=642 40+ -X1	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	24	+	=642BE010M01	=642BE010M01+ -X1,=642BE010M01+ -X4,=642BE010M01+ -X	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	25	+	=642BE010M02	=642BE010M02+ -X1,=642BE010M02+ -X4,=642BE010M02+ -X	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	26	+	=642VS020	=642VS020+ -X1	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	27	+	=642BI030	=642BI030+ -X5	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	28	+	=642FN165	=642FN165+ -X1,=642FN165+ -X7	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	29	+	=642 61	=642 61+ -X1	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	30	+	=642RF162	=642RF162+ -X1	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	31	+	=642BF160	=642BF160+ -X4,=642BF160+ -X5	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	32	+LCB	=642PM052A01	=642PM052A01+LCB-A1	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	33	+SC	=642PM053A02	=642PM053A02+SC-X1,=642PM053A02+SC-X5	13.02.2006	23.01.2006	1	
5 05 244524 75 02	Klemmenplan terminal diagram	34	+TB	=642PM051	=642PM051+TB-X2	13.02.2006	23.01.2006	1	
5 06 244524 75 02	Aufbauplan assembly drawing	1	+	=0	Aufbauplan Schaltschrank assembly drawing switch cabinet	05.10.2005	23.01.2006	1	
5 06 244524 75 02	Aufbauplan assembly drawing	2	+	=0	Aufbauplan Schaltschrank assembly drawing switch cabinet	05.10.2005	23.01.2006	1	
5 06 244524 75 02	Aufbauplan assembly drawing	3	+		Tableau control desk	23.01.2006	23.01.2006	1	
5 06 244524 75 02	Aufbauplan assembly drawing	4	+	=0	Tableau LCB 4 control desk LCB 4	05.10.2005	23.01.2006	1	
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5 09 244524 75 02	Kabelliste cable list	1			Kabelliste cable list	13.02.2006	23.01.2006	1
5 09 244524 75 02	Kabelliste cable list	2			Kabelliste cable list	13.02.2006	23.01.2006	1
5 09 244524 75 02	Kabelliste cable list	3			Kabelliste cable list	13.02.2006	23.01.2006	1
5 09 244524 75 02	Kabelliste cable list	4			Kabelliste cable list	23.01.2006	23.01.2006	1



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power and voltage data Leistungs- und Spannungsangaben	
installed power Installierte Leistung	ca. 140 kW
back-up fuse power supply Vorsicherung Einspeisung	max. 350 A
operating voltage Betriebsspannung	400 VAC
control voltage Steuerspannung	230 VAC, 24 VDC
frequency Frequenz	50 Hz
short-circuit current capability Kurzschlußfestigkeit	<= 35kA

wiring colours Verdrahtungsfarben		/ min. core cross-section min. Aderquerschnitt	
L1	400 VAC	black schwarz	
L2	400 VAC	black schwarz	
L3	400 VAC	black schwarz	
N	0 VAC	blue blau	
PE		green/yellow grün/gelb	
L4	230 VAC	red rot	
L04	0 VAC	red rot	
L6	120 VAC		
L06	0 VAC		
L5+	24 VDC	dark blue dunkelblau	
M5	0 VDC	dark blue dunkelblau	
instrument leads Messleitungen		white weiss	
special voltage Sonderspannung		purple violett	
floating contacts potentialfreie Kontakte		orange orange	

others Sonstiges	
core numbering switch cabinet Adernummerierung Schaltschrank	none keine
core numbering machine Adernummerierung Maschine	none keine
cable marking internal Kabelkennzeichnung intern	none keine
cable marking external Kabelkennzeichnung extern	none keine
wiring material Verdrahtungsmaterial	H&B standard H&B - Standard
installation material Installationsmaterial	H&B standard H&B - Standard
colour switch cabinet Farbe Schaltschrank	RAL 7035 >= 60 µm
colour operator's panel Farbe Bedientableau	RAL 7035 >= 60 µm
colour terminal boxes Farbe Klemmenkästen	RAL 7035 >= 60 µm
explosion protection: zone Explosionsschutz: Zone	none keine
labels switch cabinet Beschriftungsschilder Schaltschrank	H&B standard (yellow) H&B - Standard (gelb)
labels machine Beschriftungsschilder Maschine	engraved, black on white graviiert, schwarz auf weiß
language documentation Sprache Dokumentation	German + english Deutsch + Englisch
language labelling Sprache Beschriftung	english Englisch

Alle Angaben kontrolliert

Kurzzeichen

von: GRO

Datum: 22.11.2005

Over protection switcher, bitte auf das 0,58-fache des Nennstroms einstellen.  
Umrechnungsfaktor für die Strombelastbarkeit bei Leistungen für 95 °C Umgebungstemperatur nach DIN VDE0298 Teil 4

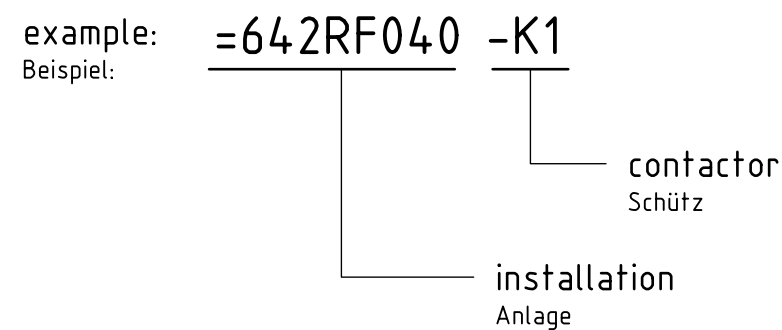
legend  
Legende

character Zeichen	explanation Erklärung	terminal strip Klemmenleiste	cable name internal Kabelname intern	cable name external (connection cables) Kabelname extern (Verbindungsleitungen)
..L1, ..L2, ..L3	operating voltage 3/PE/400V 50Hz operating voltage 3/PE/400V 50Hz	-X1	-WI 101 ... -WI 199	-W 101 ... -W 199
	emergency stop Not - Aus	-X2	-WI 201 ... -WI 299	-W 201 ... -W 299
	floating contacts potentialfreie Kontakte	-X3	-WI 301 ... -WI 399	-W 301 ... -W 399
..L4 / L04	control voltage 230 VAC Steuerspannung 230 VAC	-X4	-WI 401 ... -WI 499	-W 401 ... -W 499
..L5+ / M5	control voltage 24 VDC Steuerspannung 24 VDC	-X5	-WI 501 ... -WI 599	-W 501 ... -W 599
		-X6	-WI 601 ... -WI 699	-W 601 ... -W 699
	special voltage Sonderspannung	-X7	-WI 701 ... -WI 799	-W 701 ... -W 799
		-X8	-WI 801 ... -WI 899	-W 801 ... -W 899
	data lines Datenleitungen	-X9	-WI 901 ... -WI 999	-W 901 ... -W 999

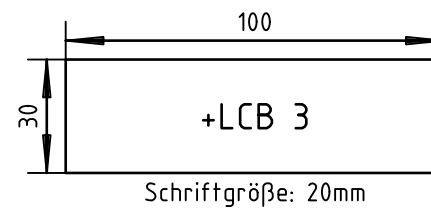
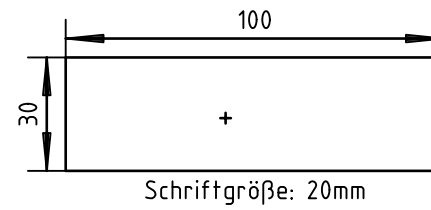
identification letter Kennbuchstaben	operational equipment Betriebsmittel
-A..	module Baugruppe
-B..	converter Umsetzer
-C..	capacitors Kondensatoren
-D..	binary elements Binäre Elemente
-E..	miscellaneous Verschiedenes
-F..	protective installations Schutzeinrichtungen
-G..	power supplies Stromversorgungen
-H..	signalling devices Meldeeinrichtungen
-K..	contactors, relay Schütze, Relais
-L..	inductances Induktivitäten
-M..	motors Motoren
-N..	analog analog
-P..	measuring instruments Meßgeräte
-Q..	power switchgear Starkstromschaltgeräte

identification letter Kennbuchstaben	operational equipment Betriebsmittel
-R..	resistance Widerstand
-S..	switch, push button Schalter, Taster
-T..	transformers Transformatoren
-U..	converter Umrichter
-V..	diode Diode
-W..	cable Kabel
-X..	terminals Klemmen
-Y..	valves, brakes Ventile, Bremsen
-Z..	interference suppressors Entstörglieder

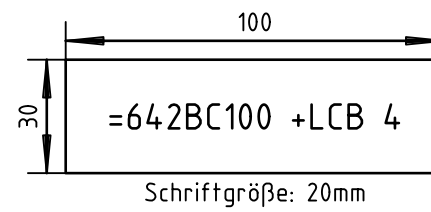
character Zeichen	explanation Erklärung
=	installation Anlage
+	location designation Ortskennzeichnung
/	origin Ursprung
.	current circuit Strompfad
-	operational equipment Betriebsmittel
:	connection marking Anschlußbezeichnung



legend Legende
-------------------



- Beschriftung der Einbauorte:  
(Oben links auf allen Schränken und Klemmenkästen)

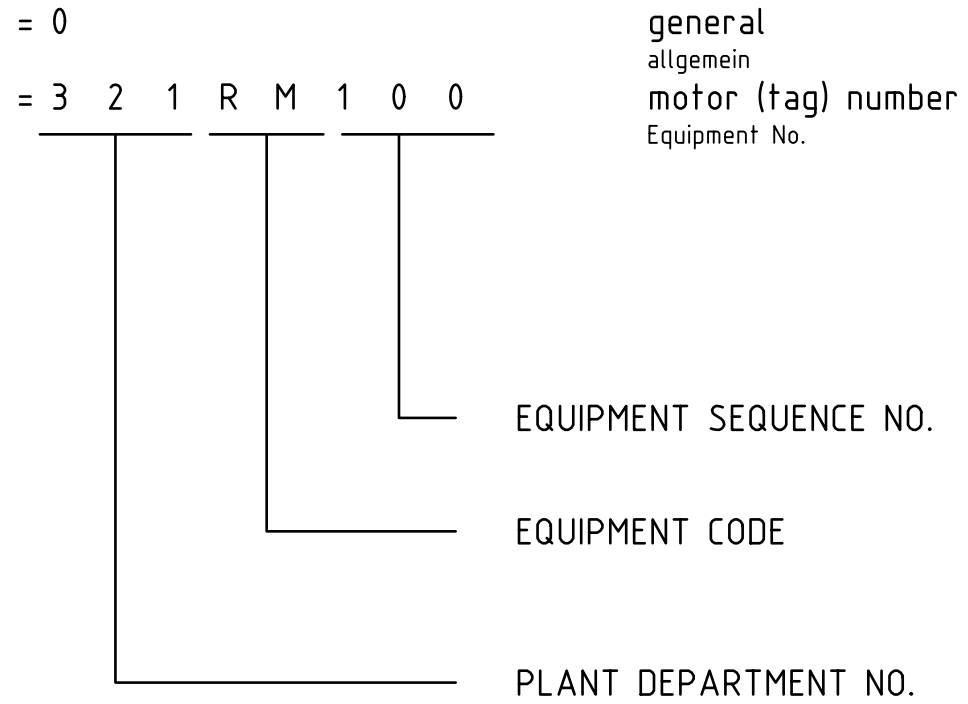


item no. Pos.	location Einbauort	number of piece list Stücklistennummer	designation 1 Benennung 1	designation 2 Benennung 2
1	+OPT	none piece list / keine Stückliste		
2	+CAB	none piece list / keine Stückliste		
3	+TB	none piece list / keine Stückliste		
4	+CUST	none piece list / keine Stückliste		
5	+SC	none piece list / keine Stückliste		
6	+00	582445247502000	ELEKTROSTUECKLISTE	+KPL UEBERSICHT (AUSSENSTEUERUNG)
7	+	582445247502001	ELEKTROSTUECKLISTE	+ Schaltschrank (AUSSENSTEUERUNG)
8	+LCB 3	582445247502002	ELEKTROSTUECKLISTE	+LCB 3 (Bedientableau)
9	+LCB 4	582445247502003	ELEKTROSTUECKLISTE	+LCB 4 (Sackzaehltableau)
10	+L	582445247502004	ELEKTROSTUECKLISTE	+L (Lose Mitlieferung zweite Linie)
11	+TB1	582445247502005	ELEKTROSTUECKLISTE	+TB1 (Klemmkasten Einspeisung Rotopacker)

legend  
Legende

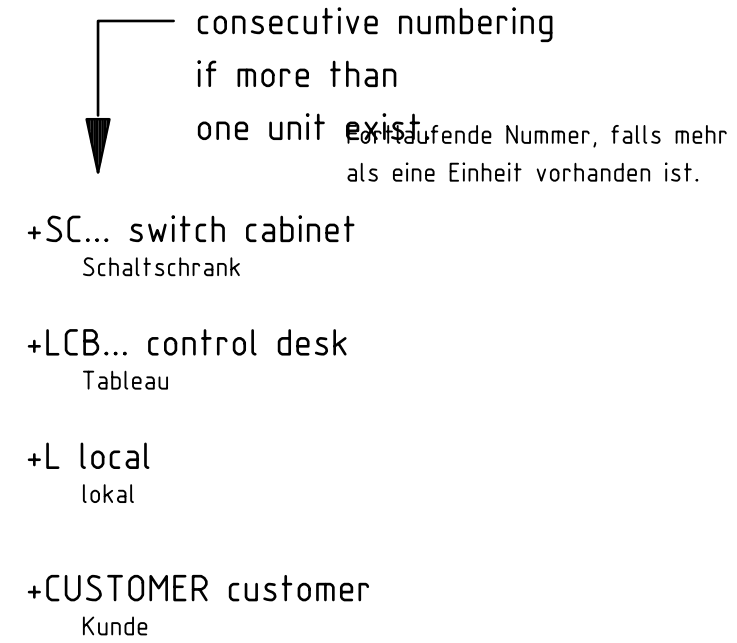
# plant designation

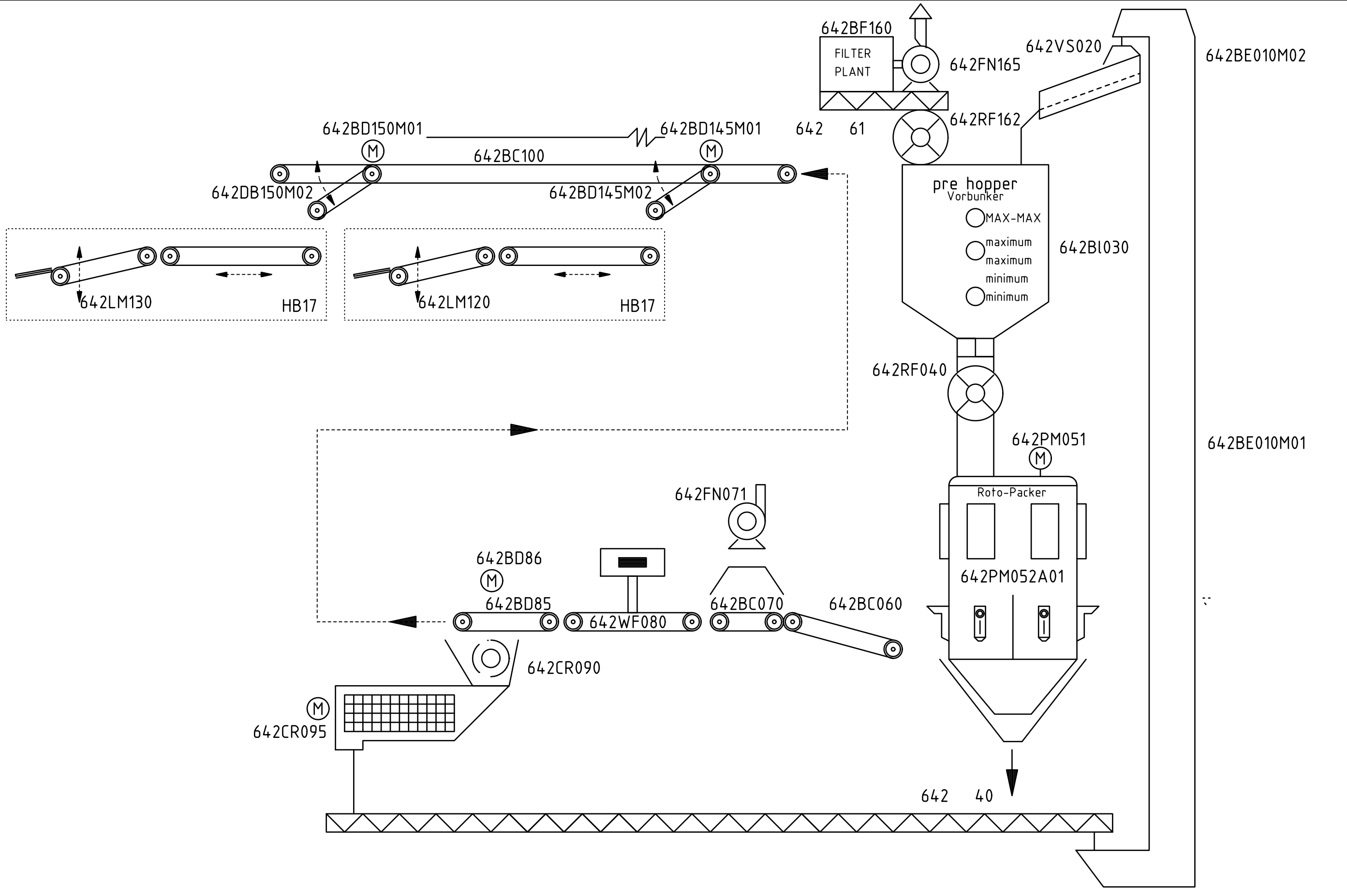
## Anlagenbezeichnung



# location designation

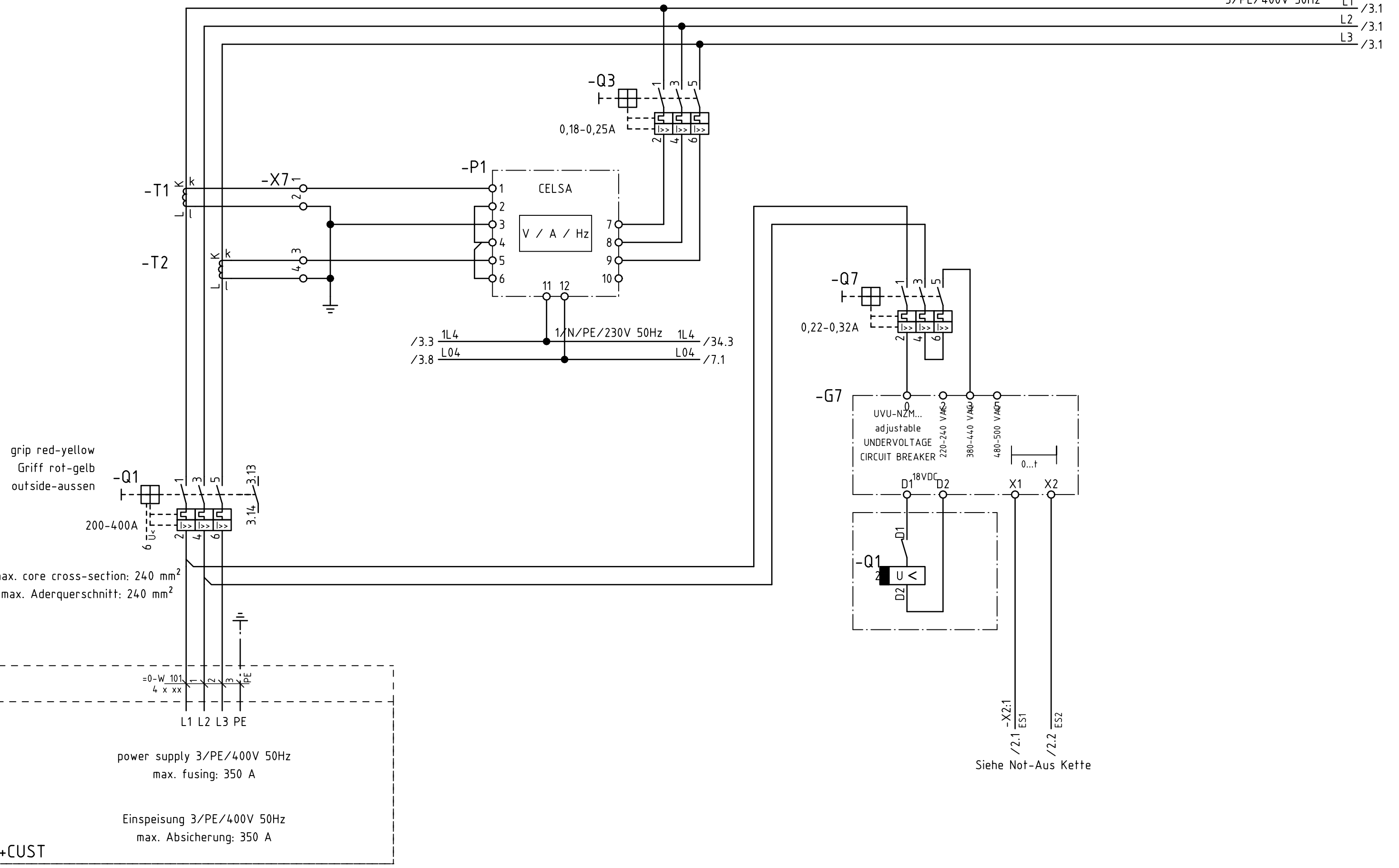
## Ortskennzeichnung





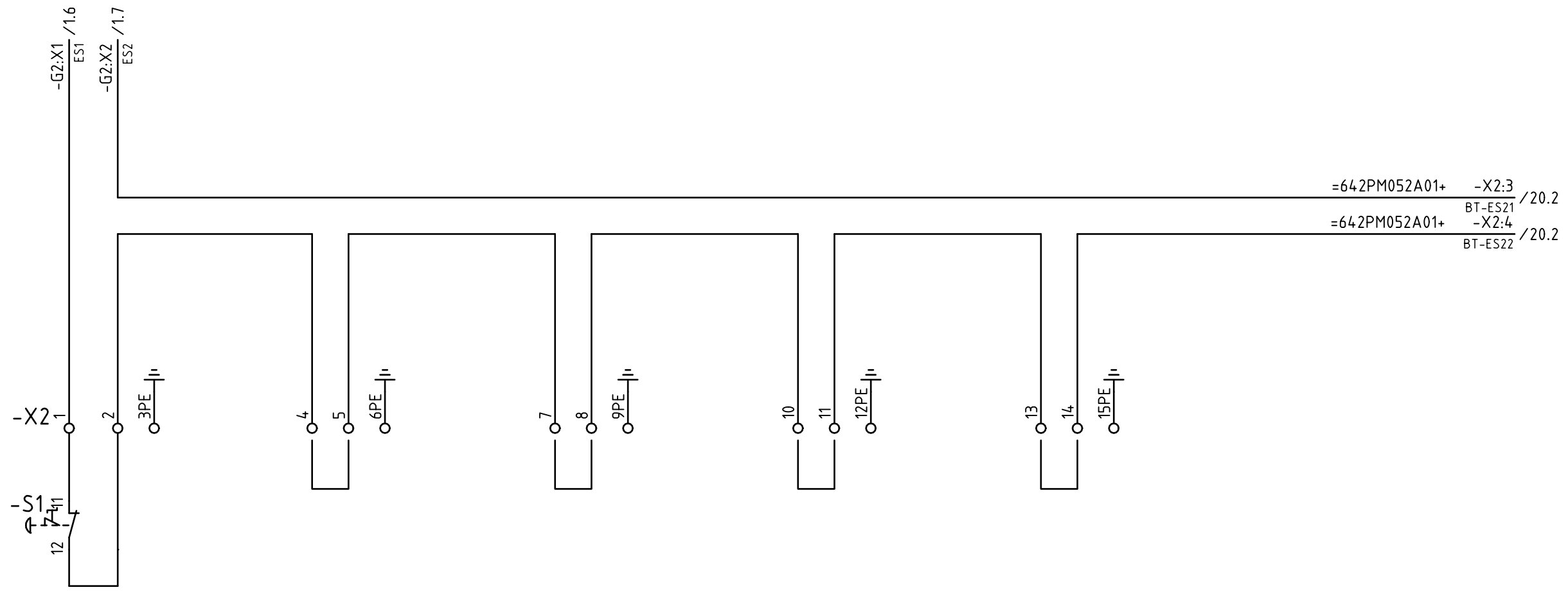
legend  
Legende

C  
K  
C  
/  
C  
Z



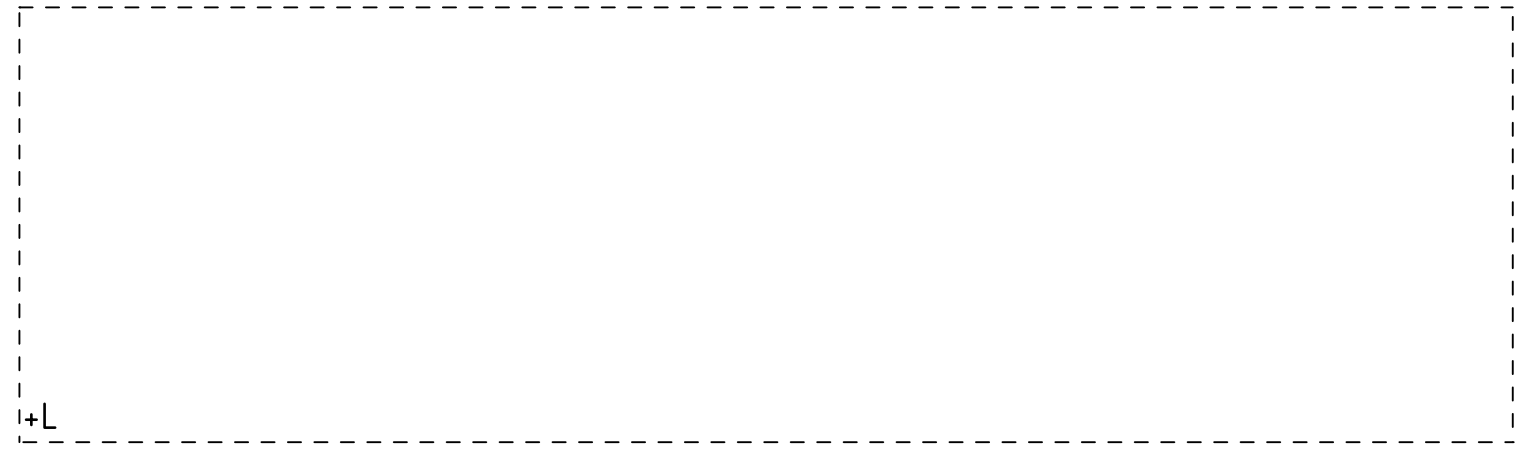
power supply  
Einspeisung



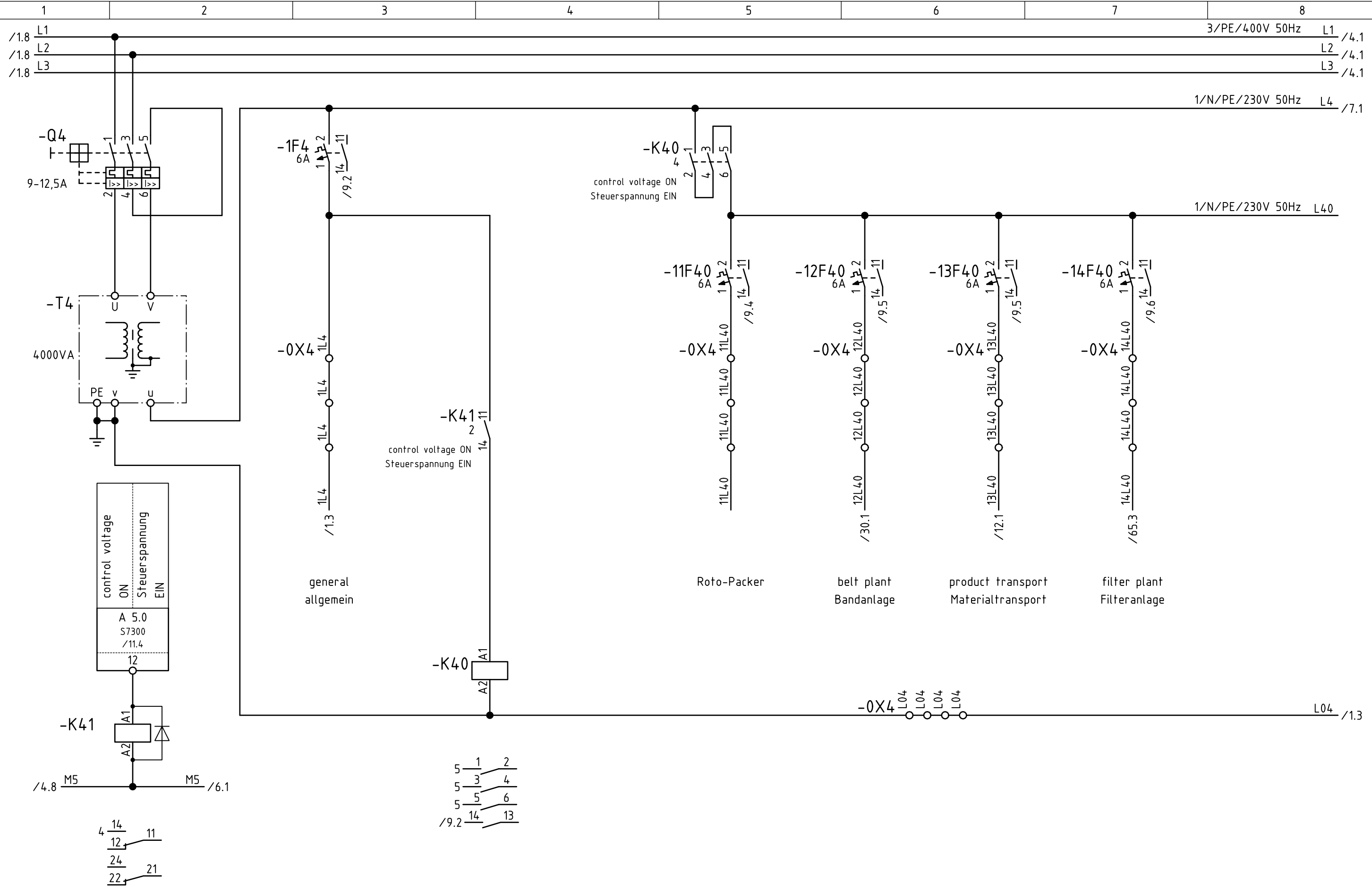


emergency stop  
 TP  
 Not - Aus  
 TP

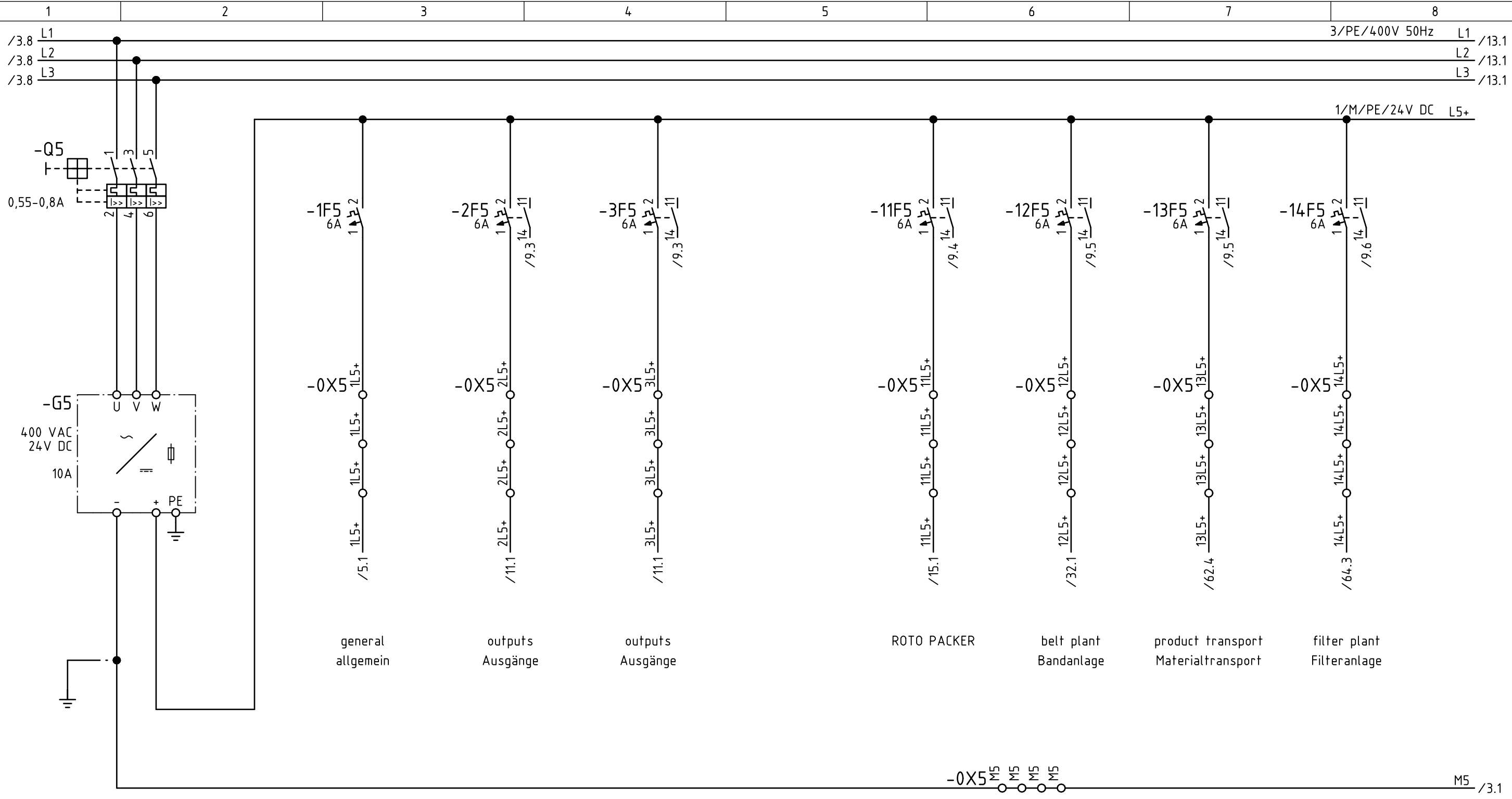
emergency stop  
 switch cabinet door  
 Not - Aus  
 Schaltschranktür



emergency stop  
 Not - Aus

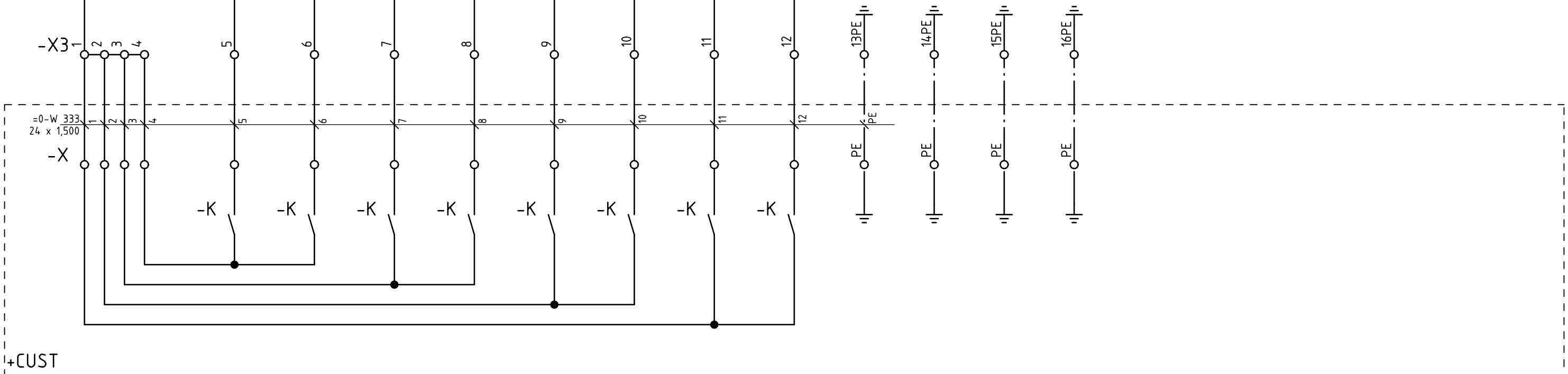


control voltage 230V AC	pages Blattzahl	67
Steuerspannung 230V AC	page Blatt	3

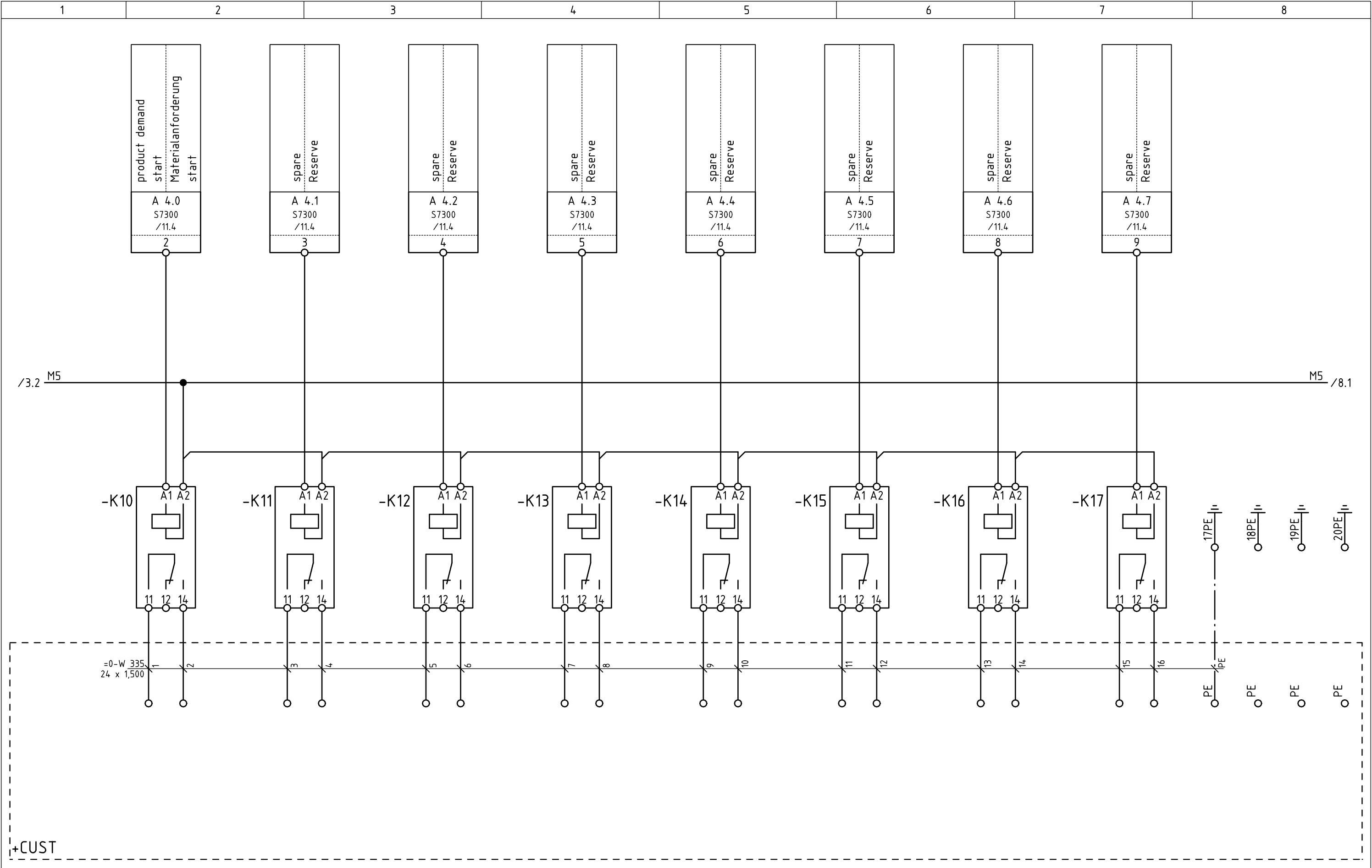


control voltage 24V DC  
Steuerspannung 24V DC

product transport feedback	Materialtransport Rückmeldung	spare Reserve	spare Reserve	spare Reserve	spare Reserve	spare Reserve	spare Reserve	spare Reserve
E 0.0 S7300 /11.3	E 0.1 S7300 /11.3	E 0.2 S7300 /11.3	E 0.3 S7300 /11.3	E 0.4 S7300 /11.3	E 0.5 S7300 /11.3	E 0.6 S7300 /11.3	E 0.7 S7300 /11.3	
2	3	4	5	6	7	8	9	



signal exchange inputs  
 Kontaktaustausch Eingänge



=0-W 335  
24 x 1,500

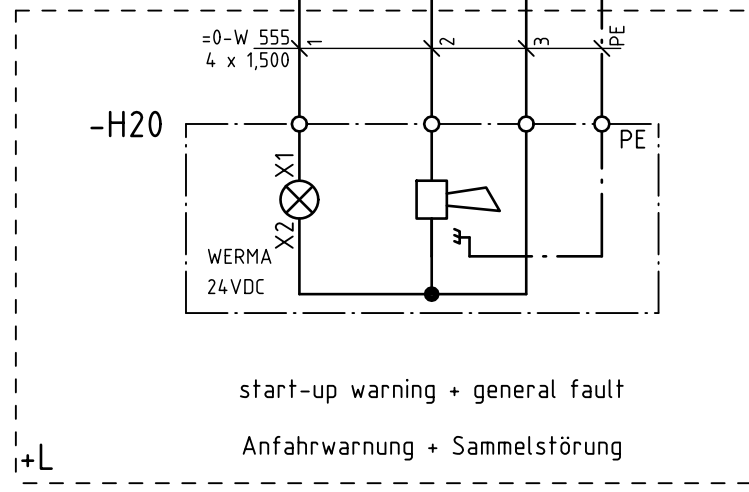
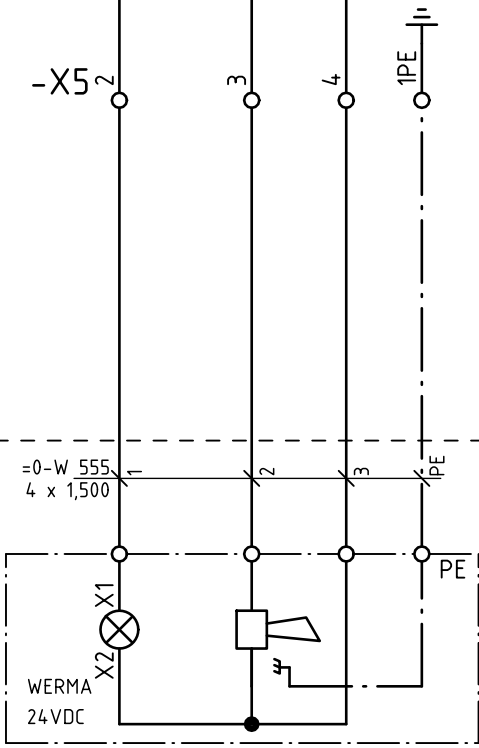
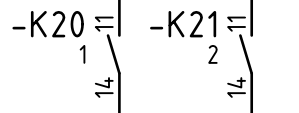
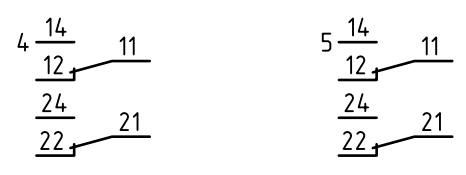
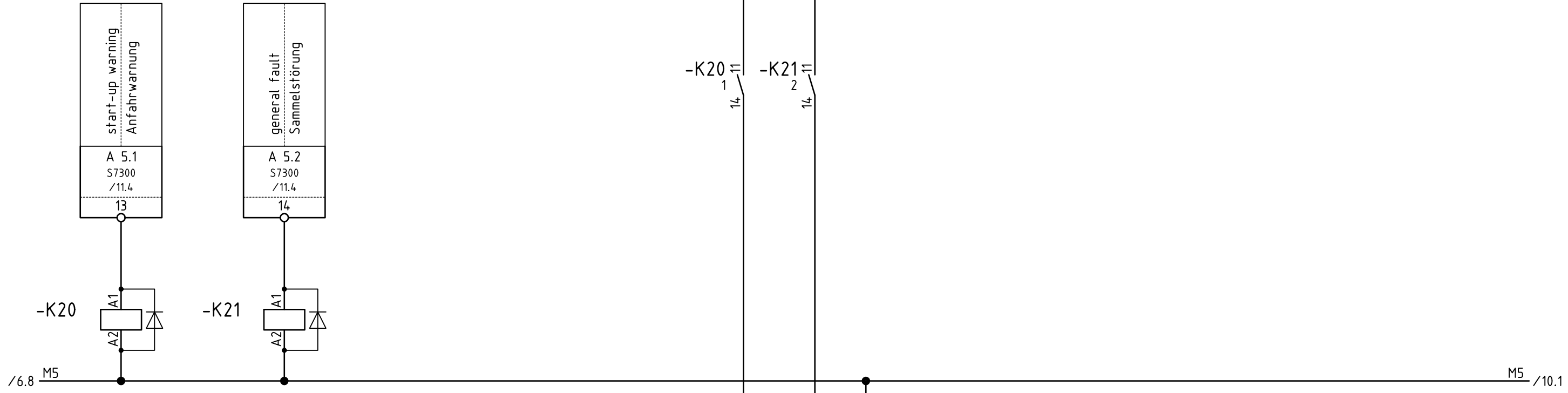
+CUST

signal exchange outputs  
Kontaktaustausch Ausgänge



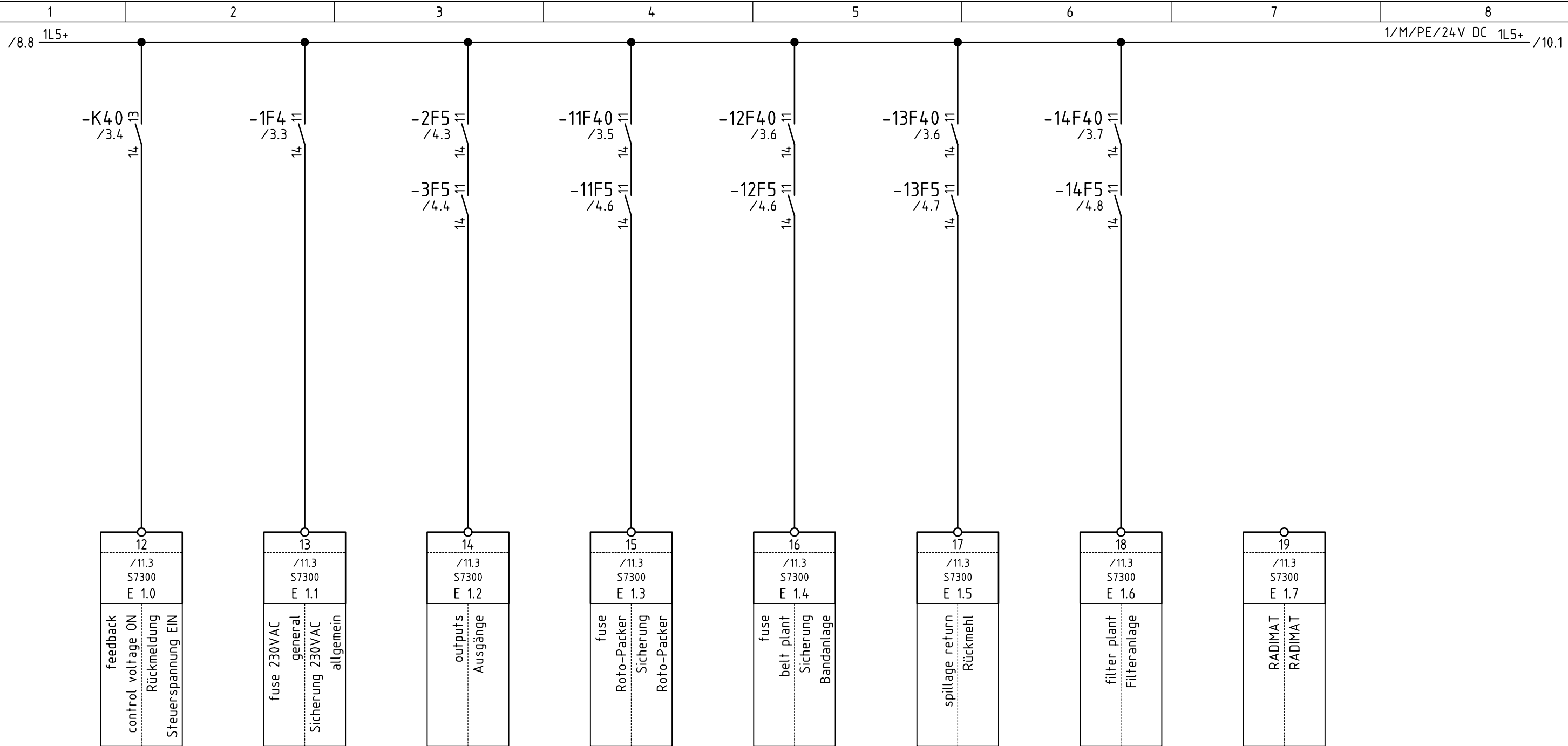
socket-outlet  
Steckdose

switch cabinet aeration deaeration  
Schaltschrank Belüftung Entlüftung



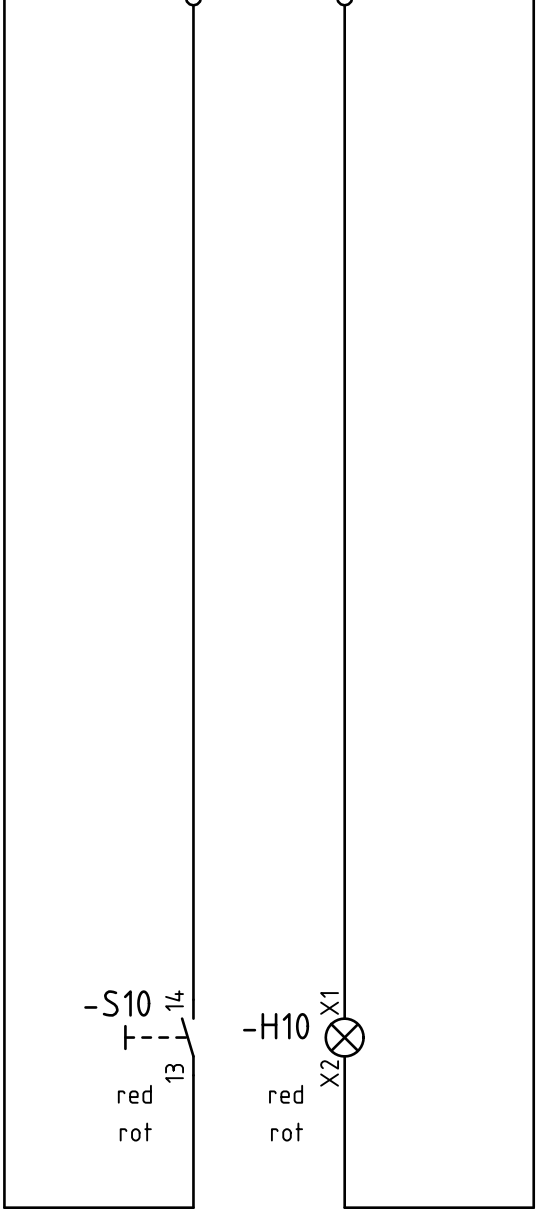
start-up warning + general fault  
Anfahrwarnung + Sammelstörung

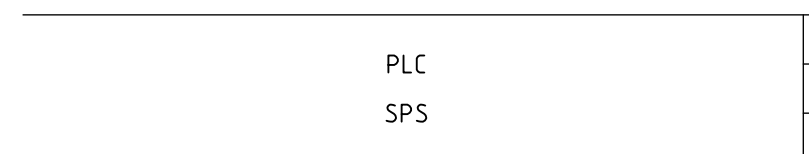
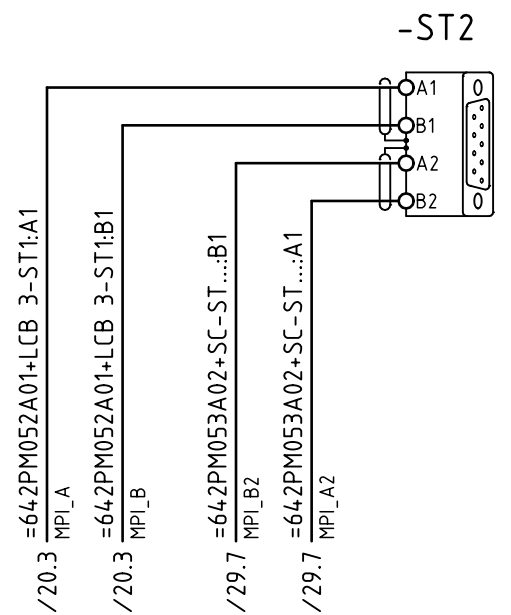
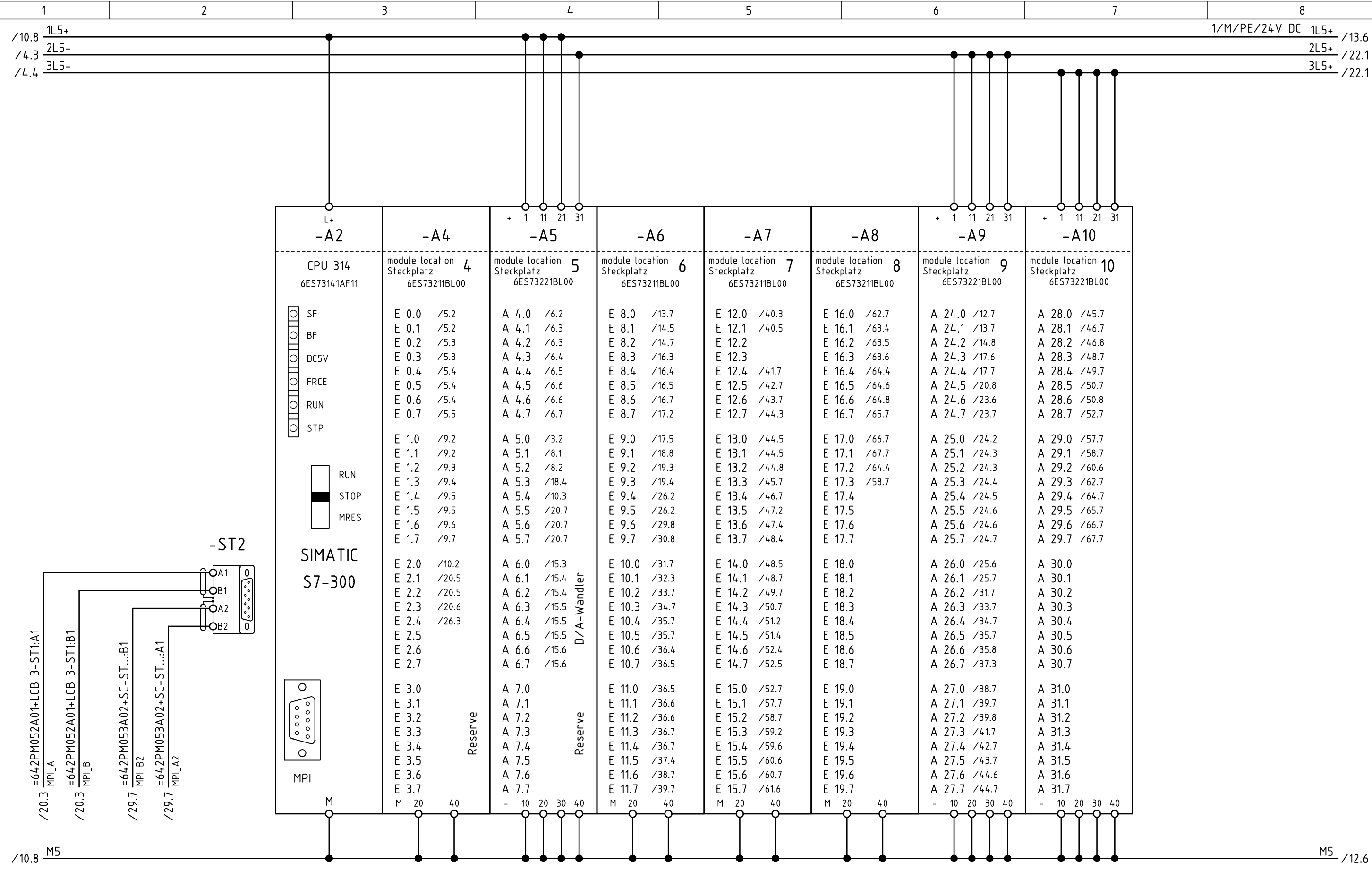
start-up warning  
Anfahrwarnung





general fault acknowledge	Sammelstörung quittieren	signal lamp general fault Leuchtmelder	Sammelstörung
E 2.0 S7300 /11.3	A 5.4 S7300 /11.4		
22	16		





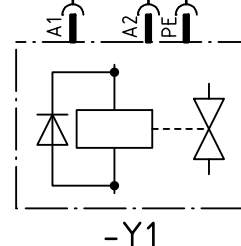
13L40 /13.6  
L04 /7.8

1/N/PE/230V 50Hz 13L40 /13.4  
L04 /13.4

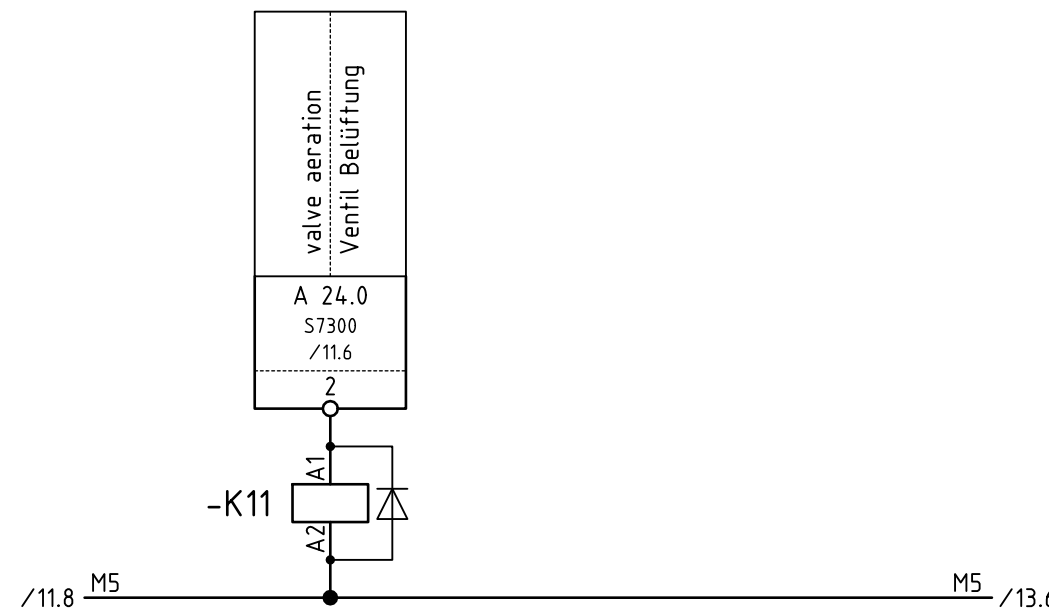
-K11  
7 11  
14

-X4  
1 2 3PE

=642RF040-W 401  
3 x 1,500

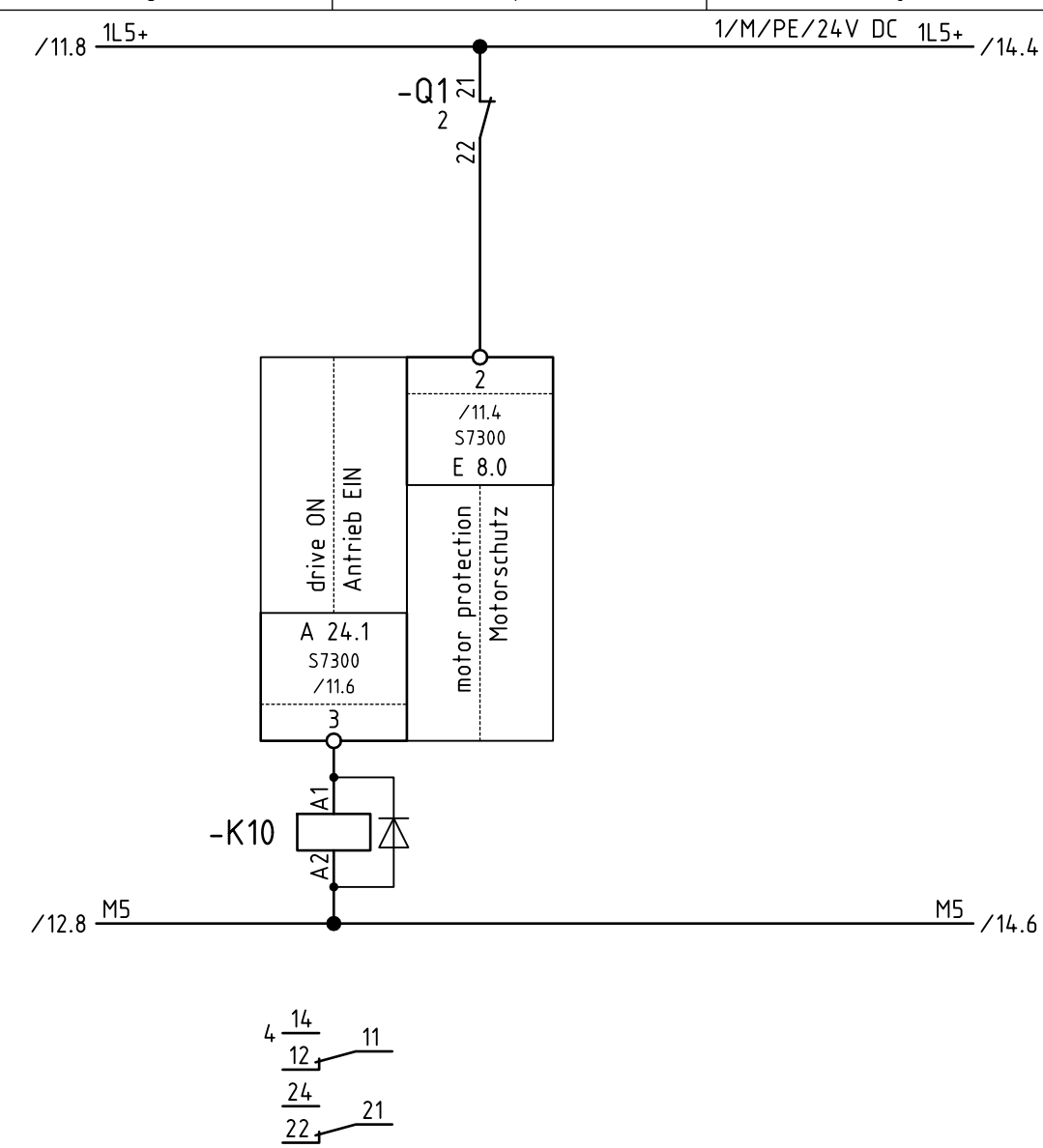
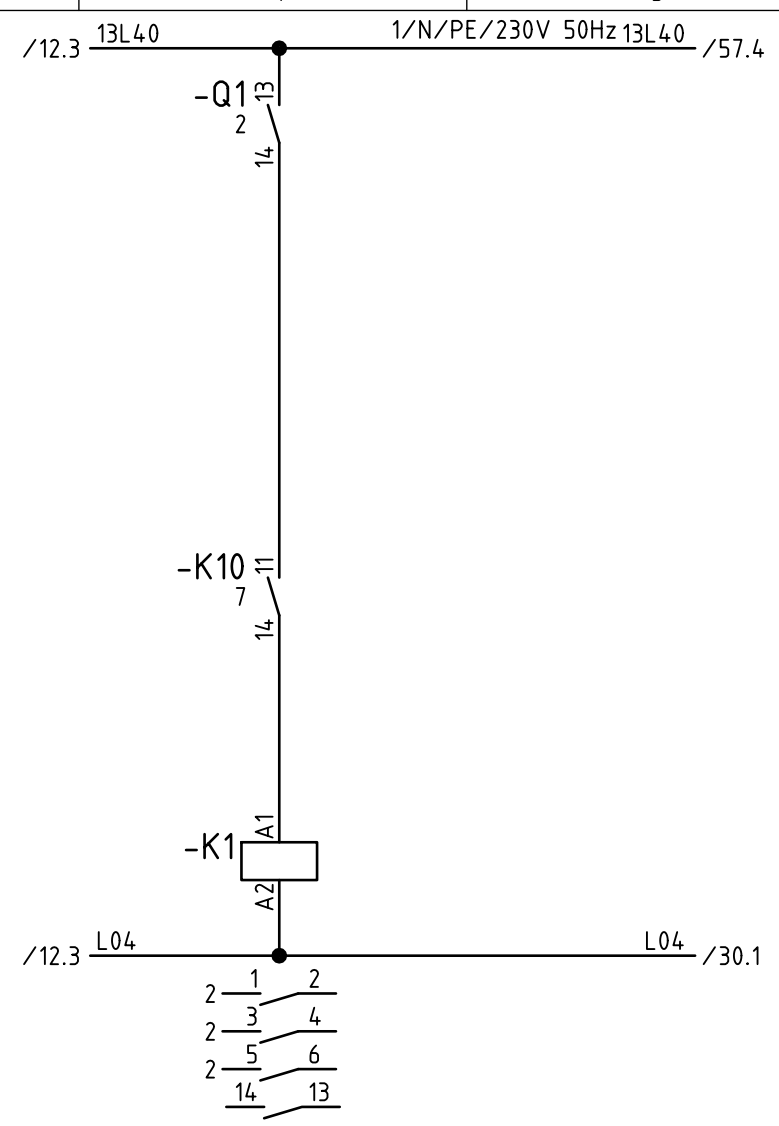
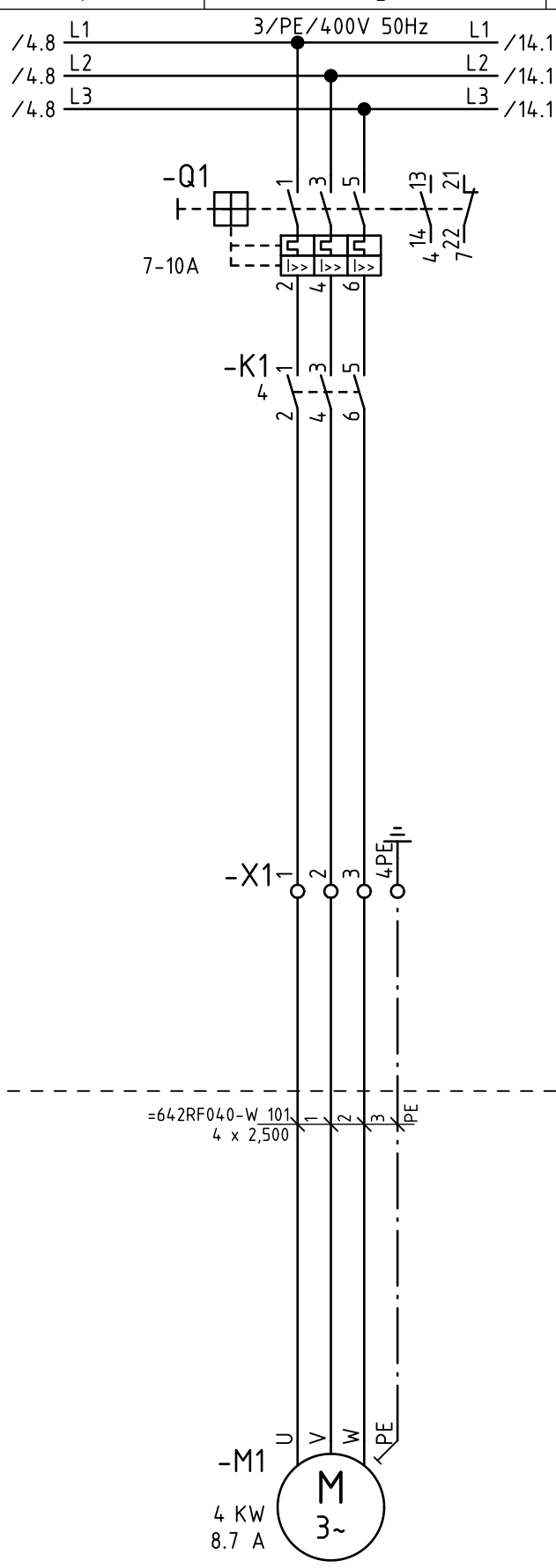


-Y1

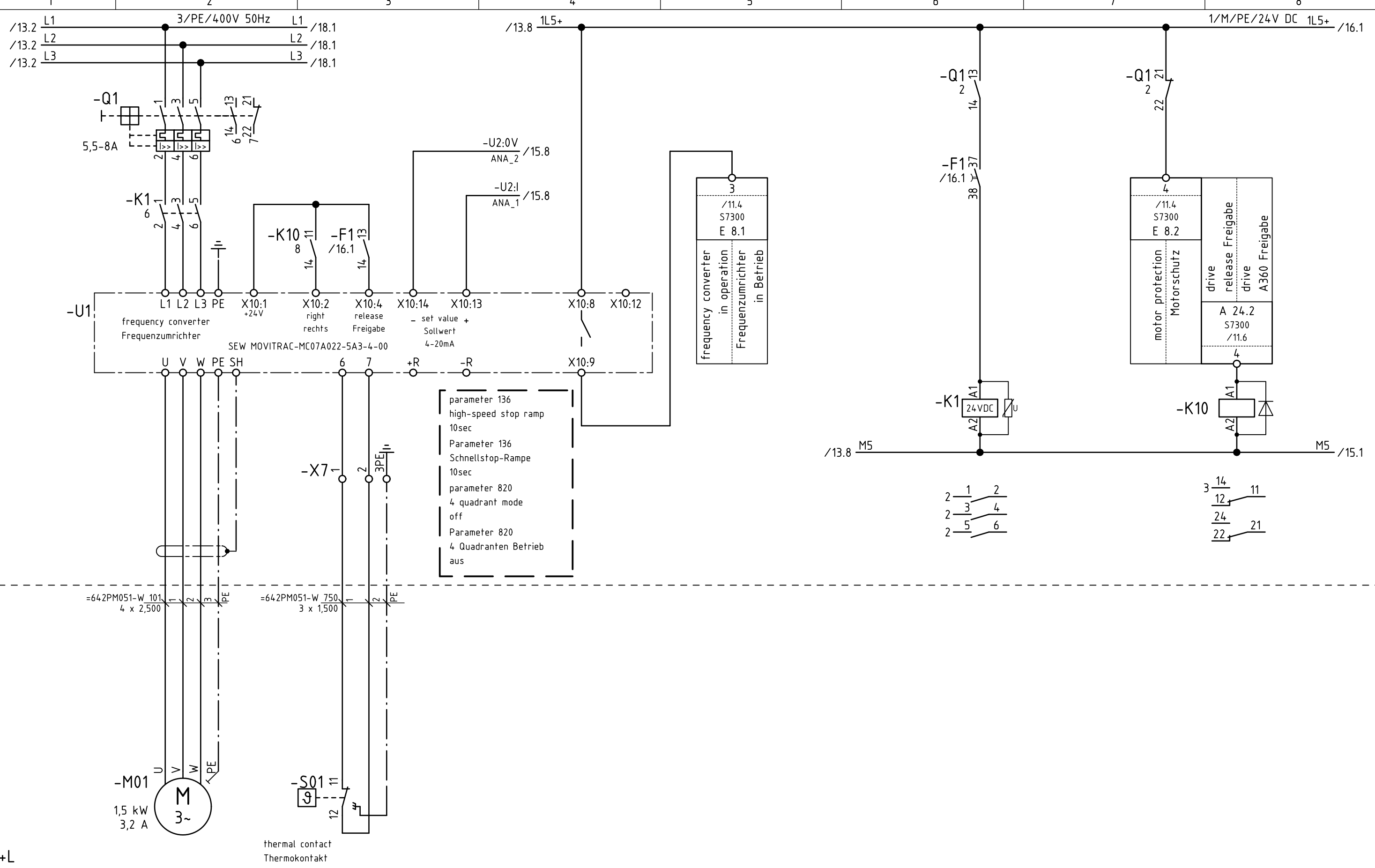


2 14 11  
12  
24 21  
22

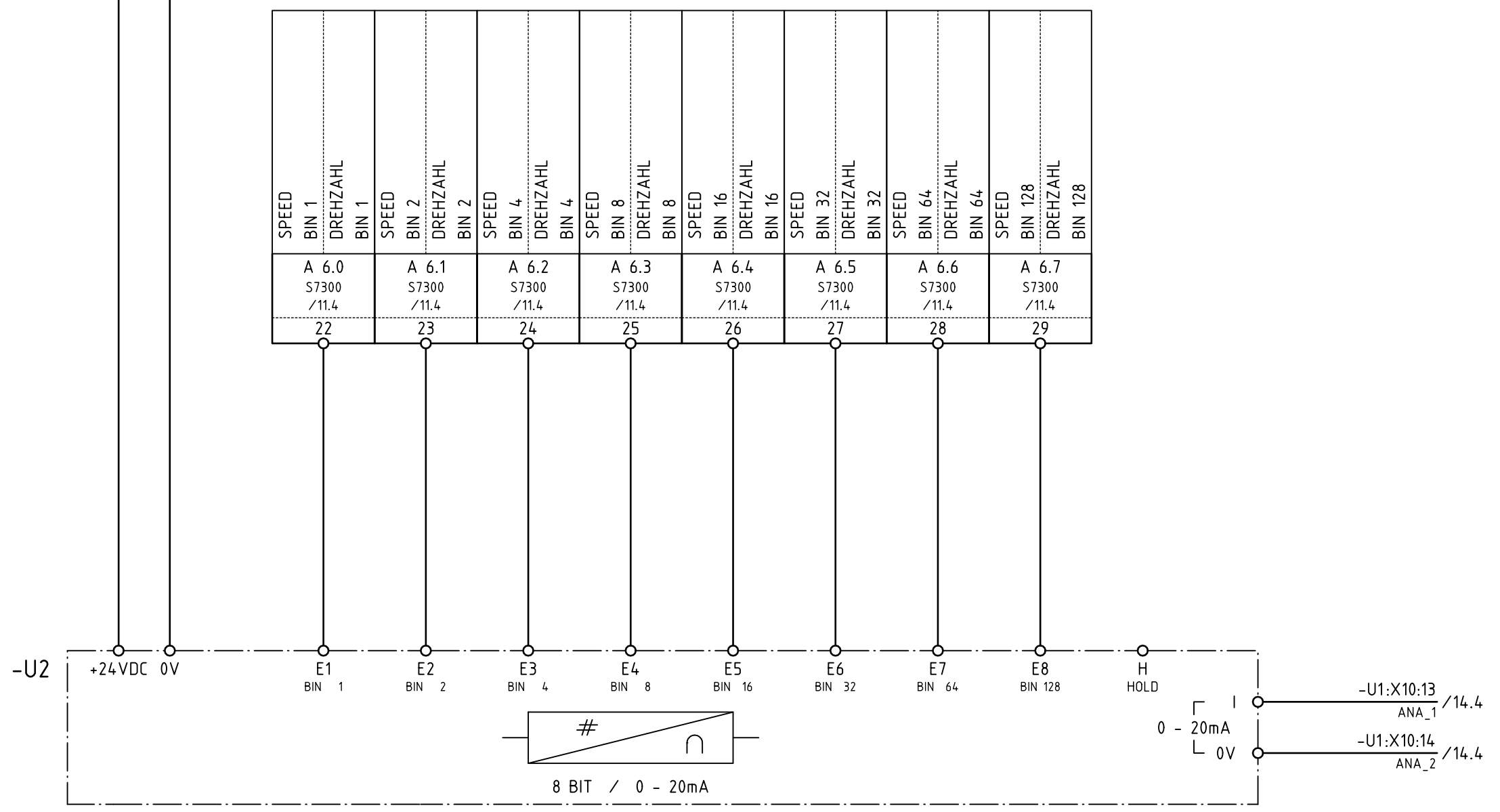
valve  
Ventil

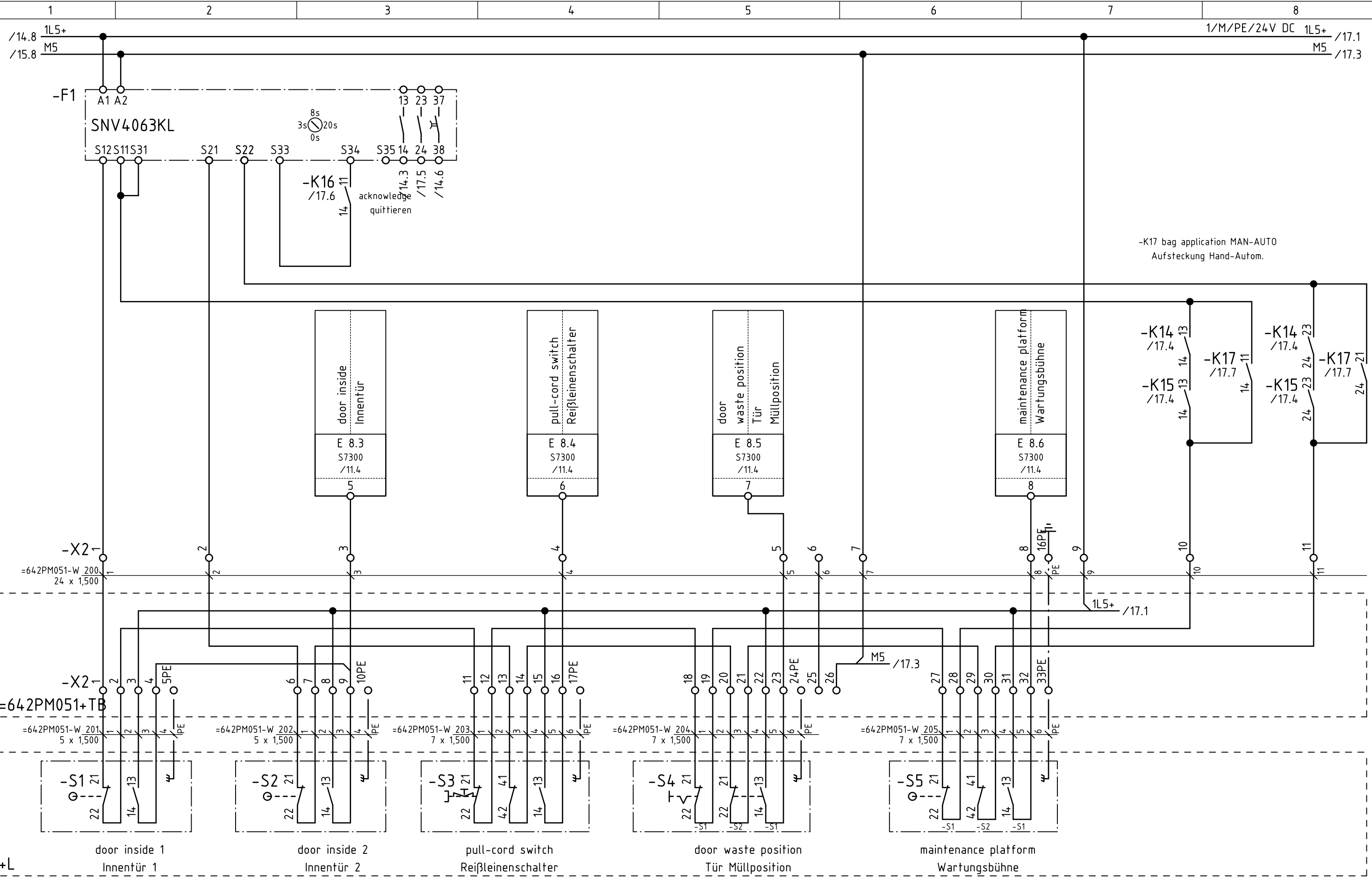


double rotary feeder  
Doppelzellenradschleuse



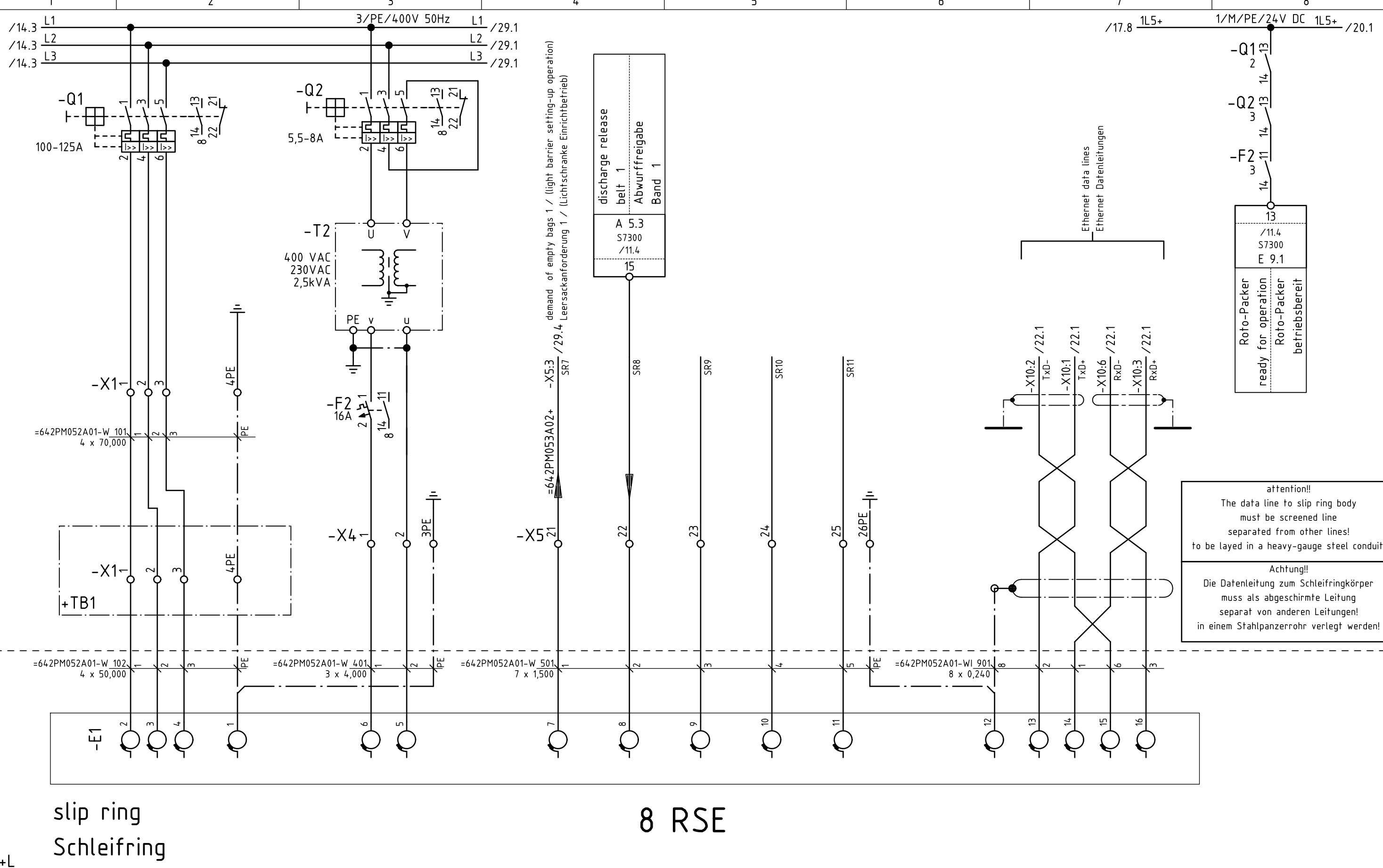
Roto-Packer rotary drive  
Roto-Packer Drehantrieb





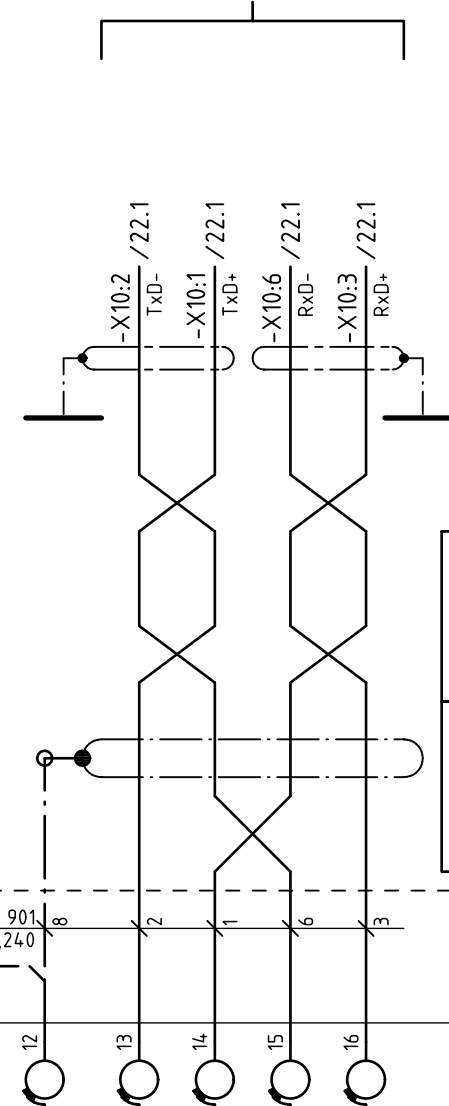
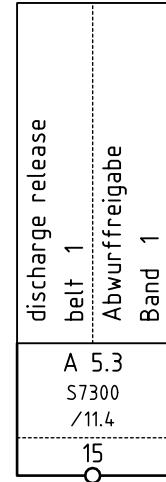






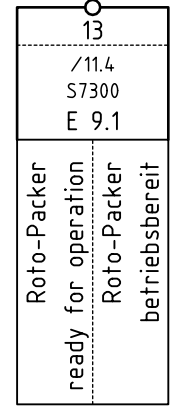
slip ring  
Schleifring

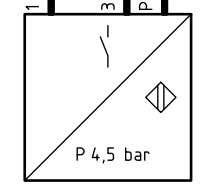
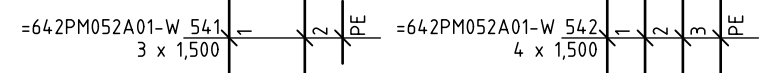
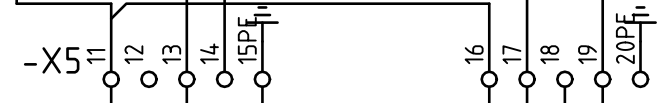
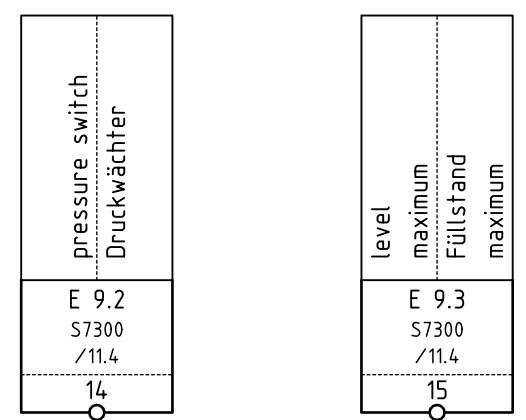
8 RSE



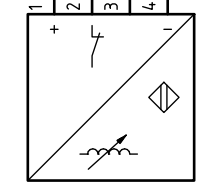
attention!!  
The data line to slip ring body  
must be screened line  
separated from other lines!  
to be layed in a heavy-gauge steel conduit!

Achtung!!  
Die Datenleitung zum Schleifringkörper  
muss als abgeschirmte Leitung  
separat von anderen Leitungen!  
in einem Stahlpanzerrohr verlegt werden!



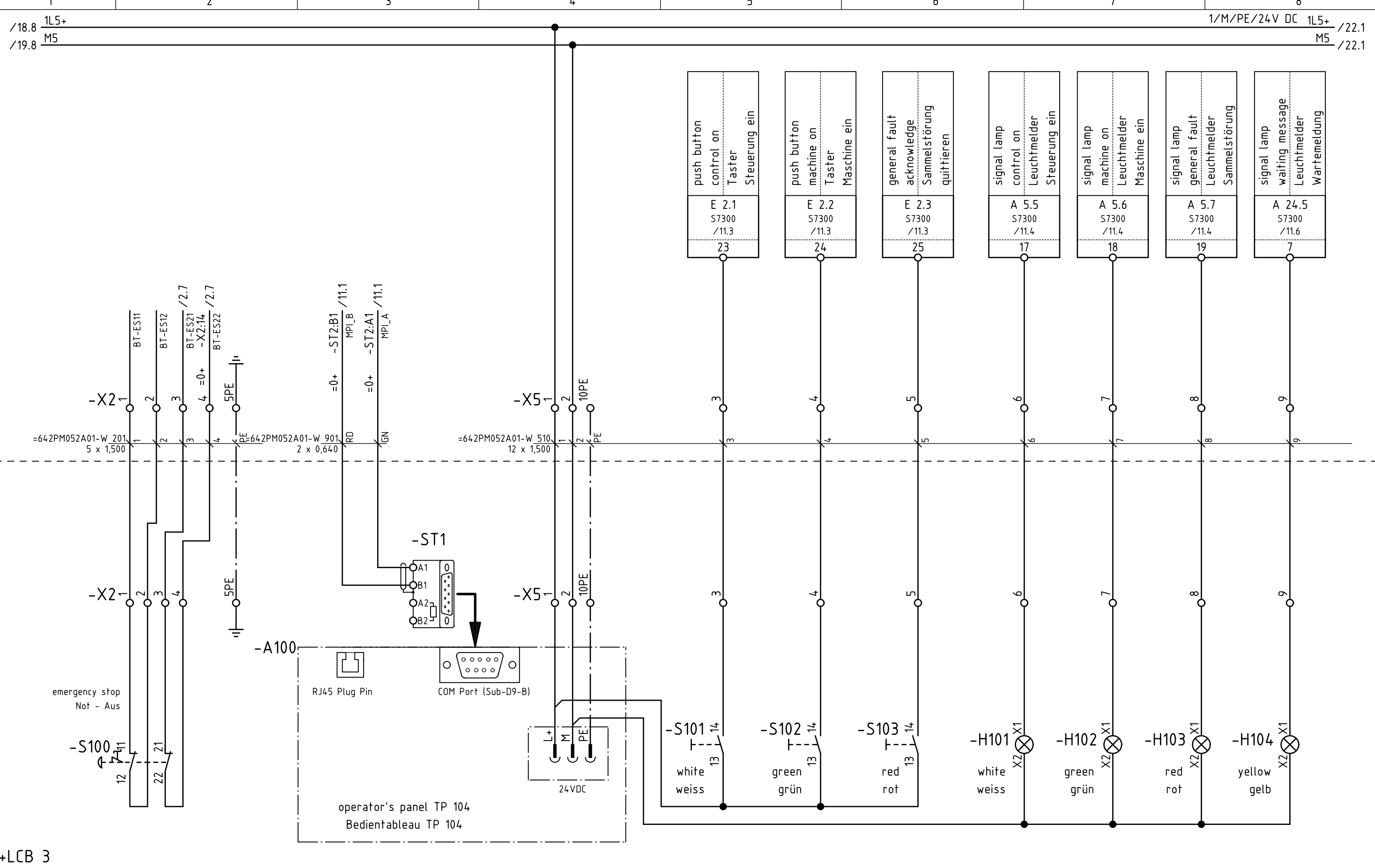


-B2



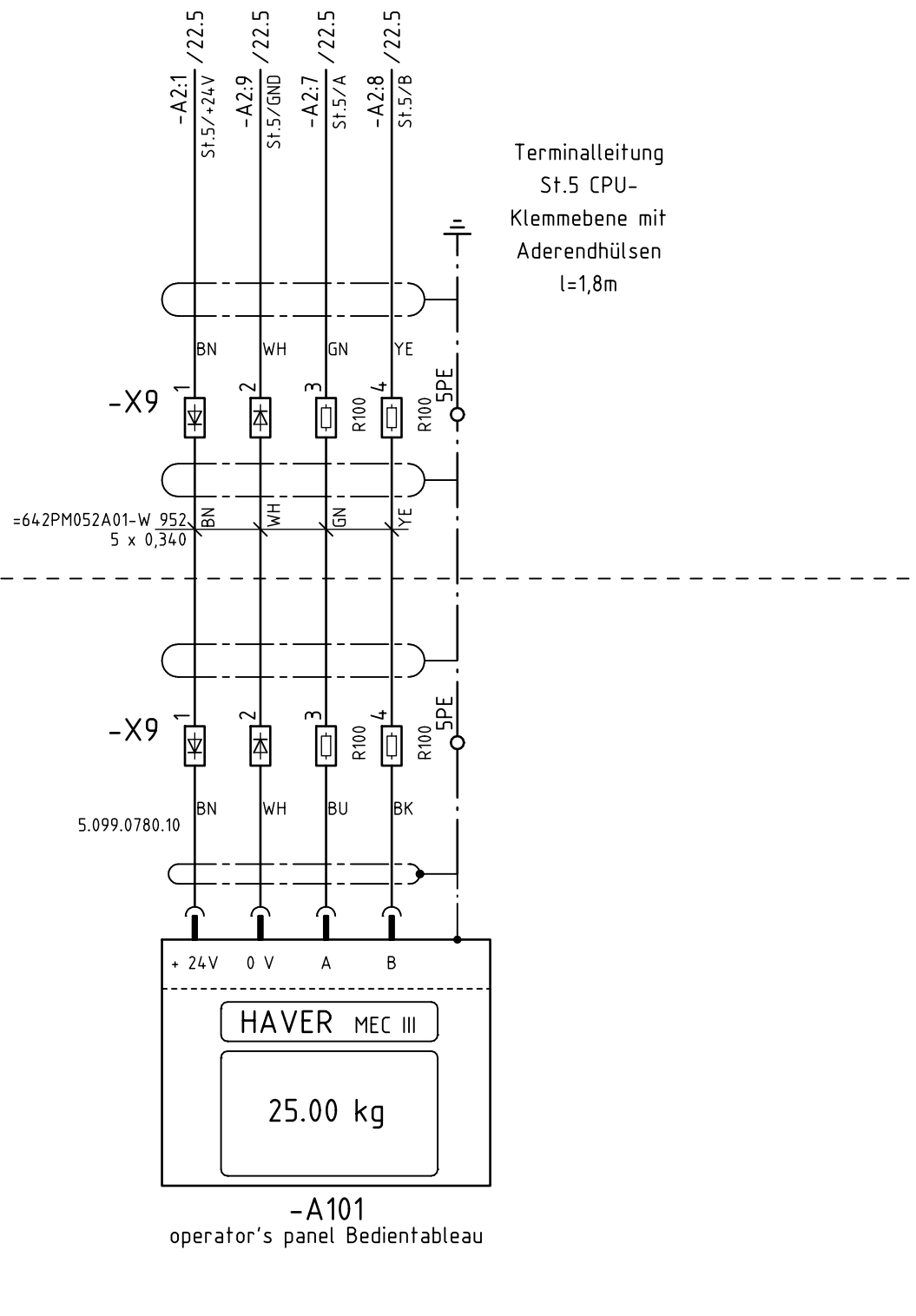
-B3

+L



+LCB 3

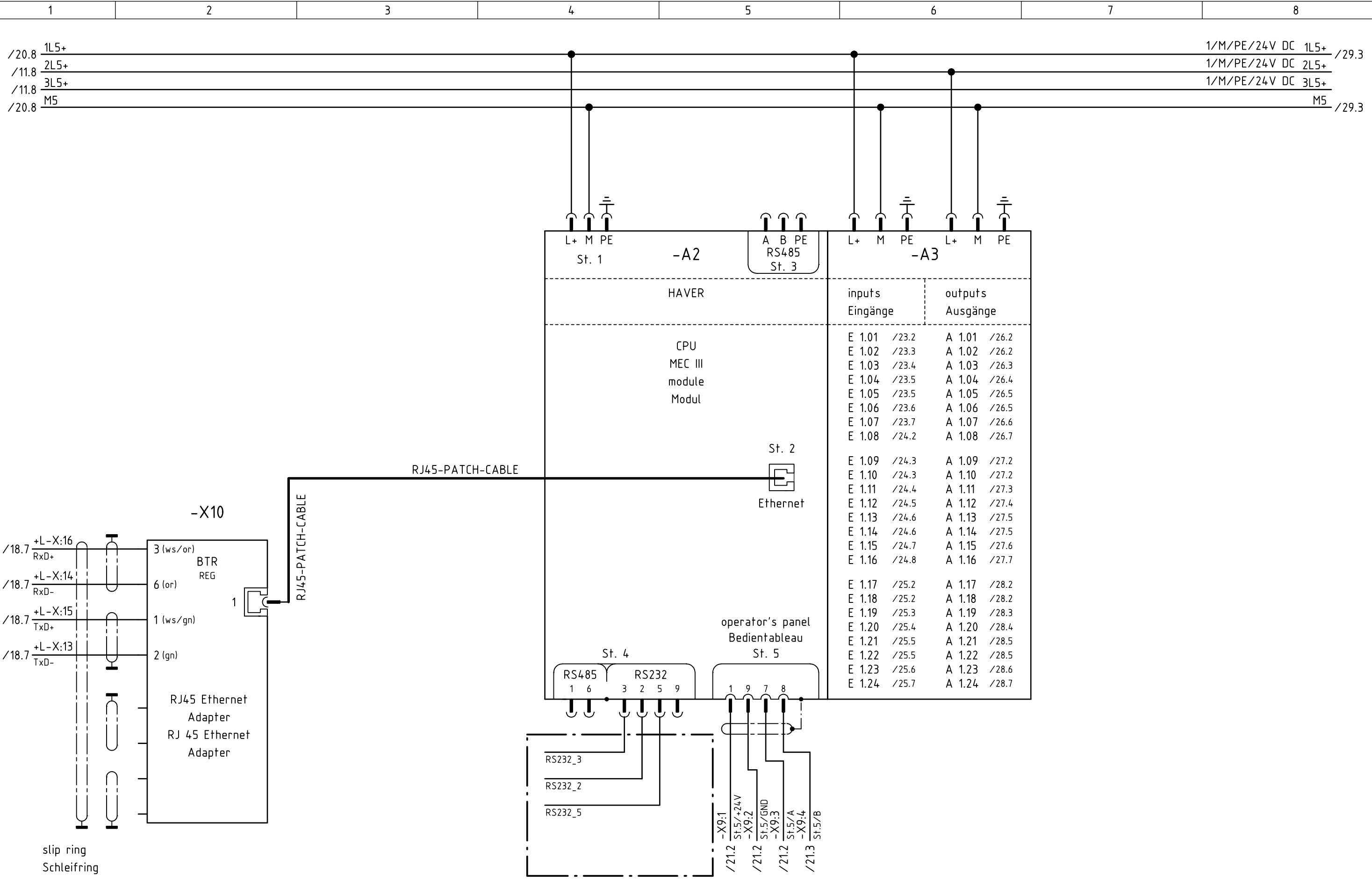
HAYER TP104 Micro Innovation  
HAYER TP104 Micro Innovation

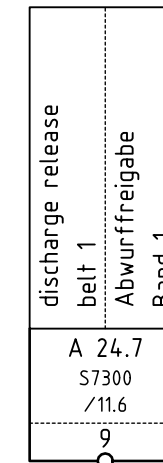
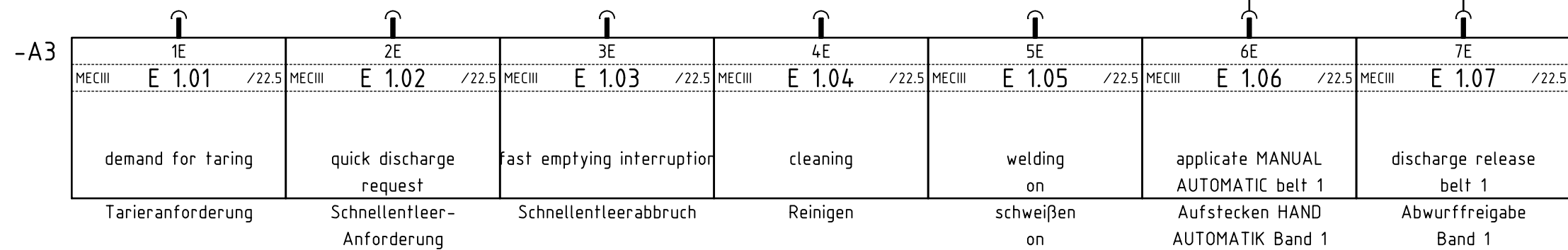


Terminalleitung  
 St.5 CPU-  
 Klemmebene mit  
 Aderendhülsen  
 l=1,8m

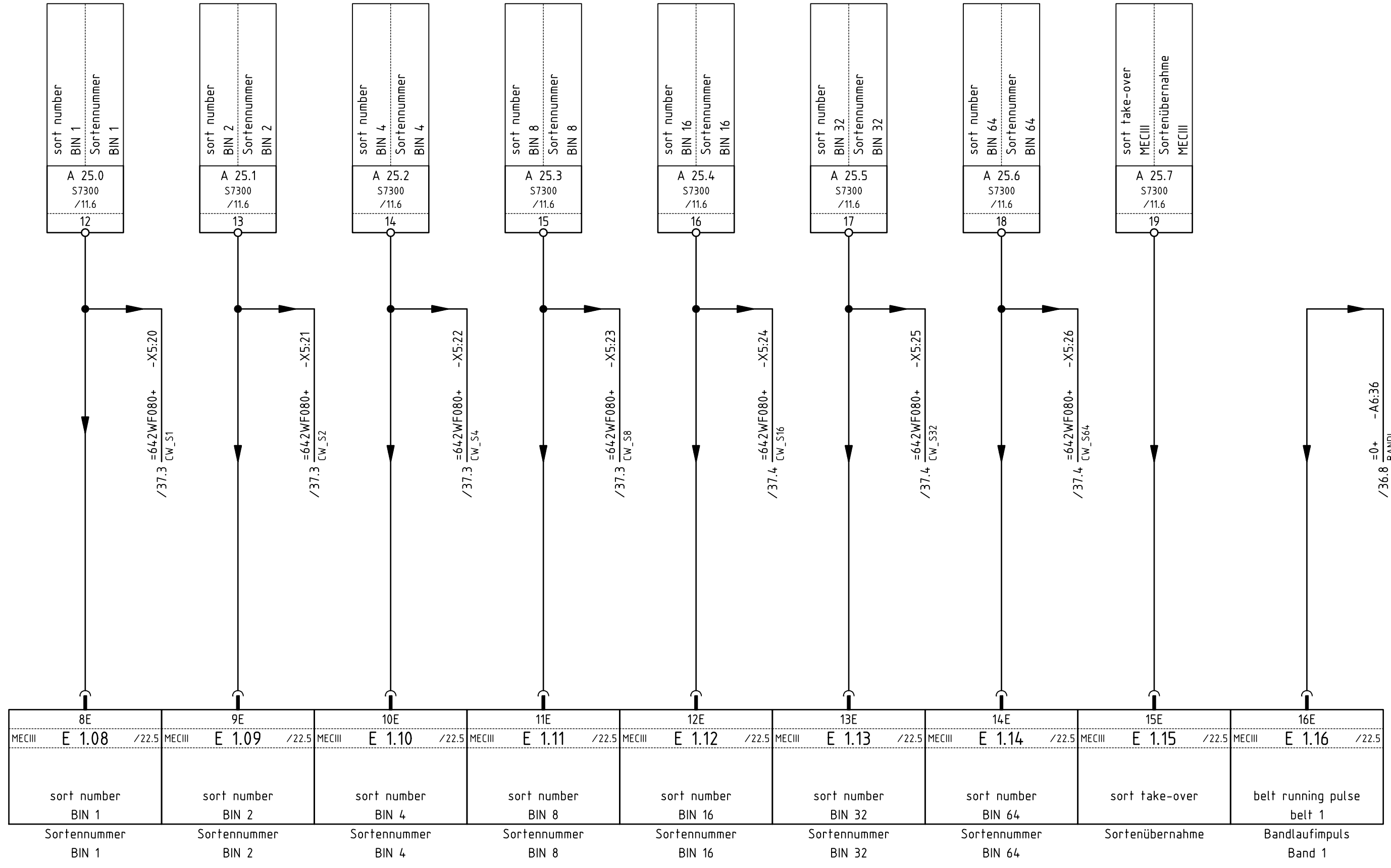
+LCB 3

HAYER MEC III  
 HAYER MEC III

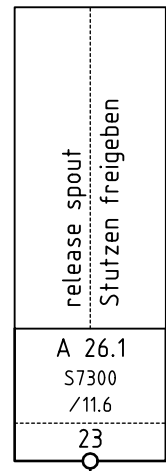
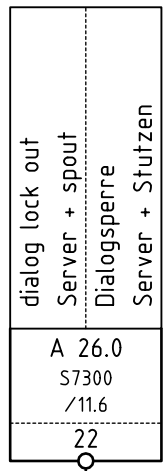
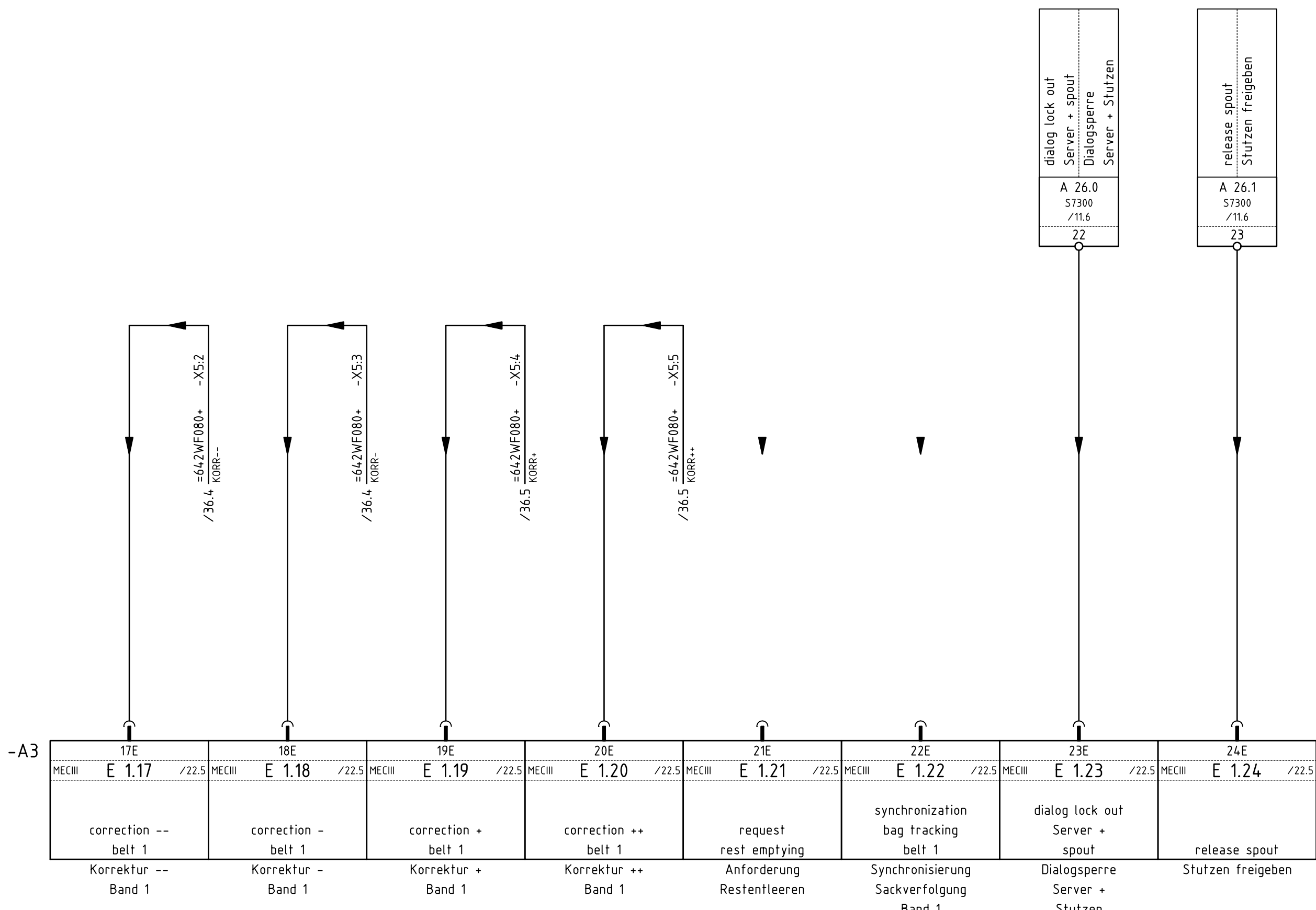




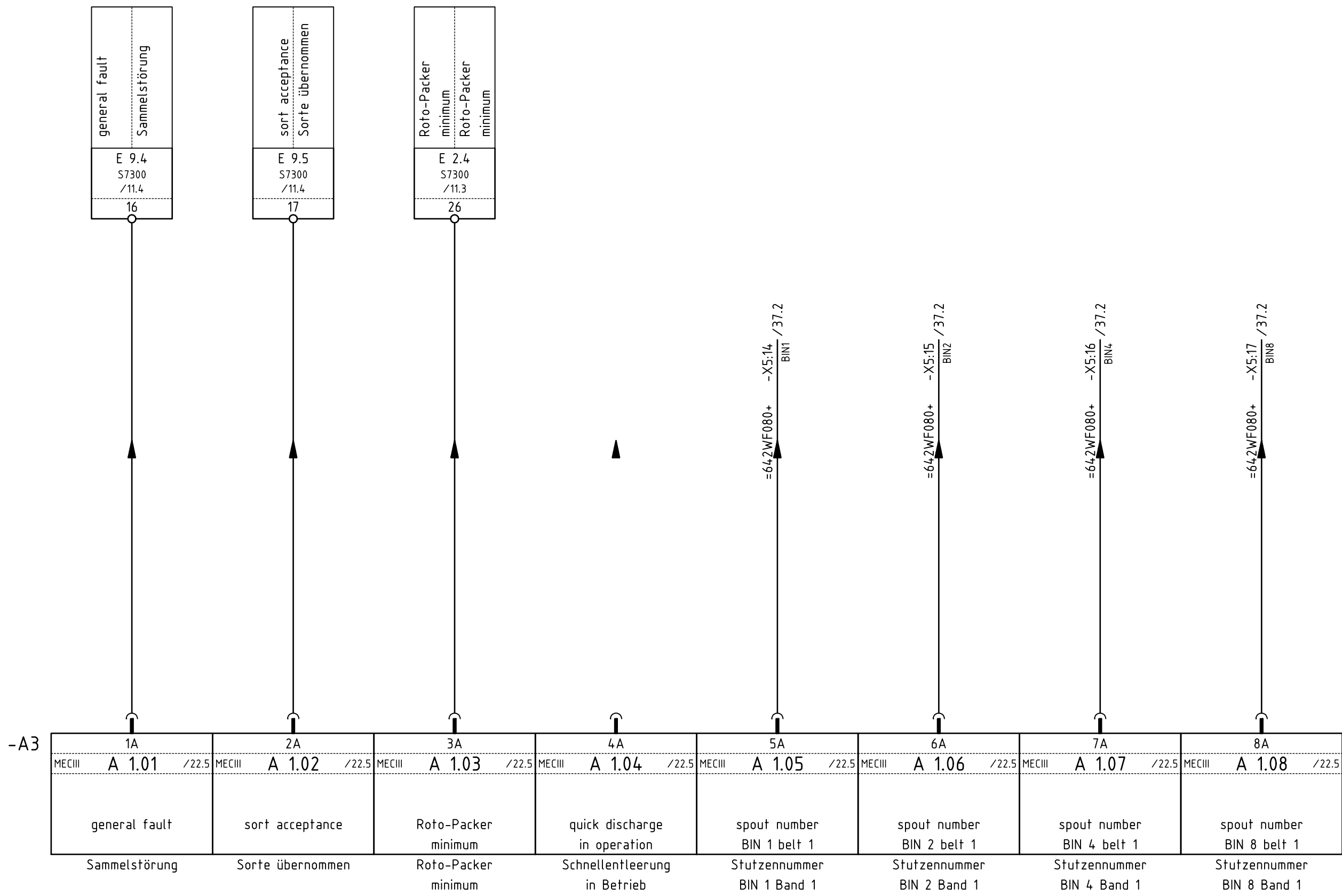
HAVER MEC III - SERVER input card  
HAVER MEC III - SERVER Eingangskarte



HAYER MEC III - SERVER input card  
HAYER MEC III - SERVER Eingangskarte







general fault  
Sammelstörung  
E 9.4  
S7300  
/11.4  
16

sort acceptance  
Sorte übernommen  
E 9.5  
S7300  
/11.4  
17

Roto-Packer minimum  
Roto-Packer minimum  
E 2.4  
S7300  
/11.3  
26

=64.2 WF080+  
-X5:14  
BIN1  
/37.2

=64.2 WF080+  
-X5:15  
BIN2  
/37.2

=64.2 WF080+  
-X5:16  
BIN4  
/37.2

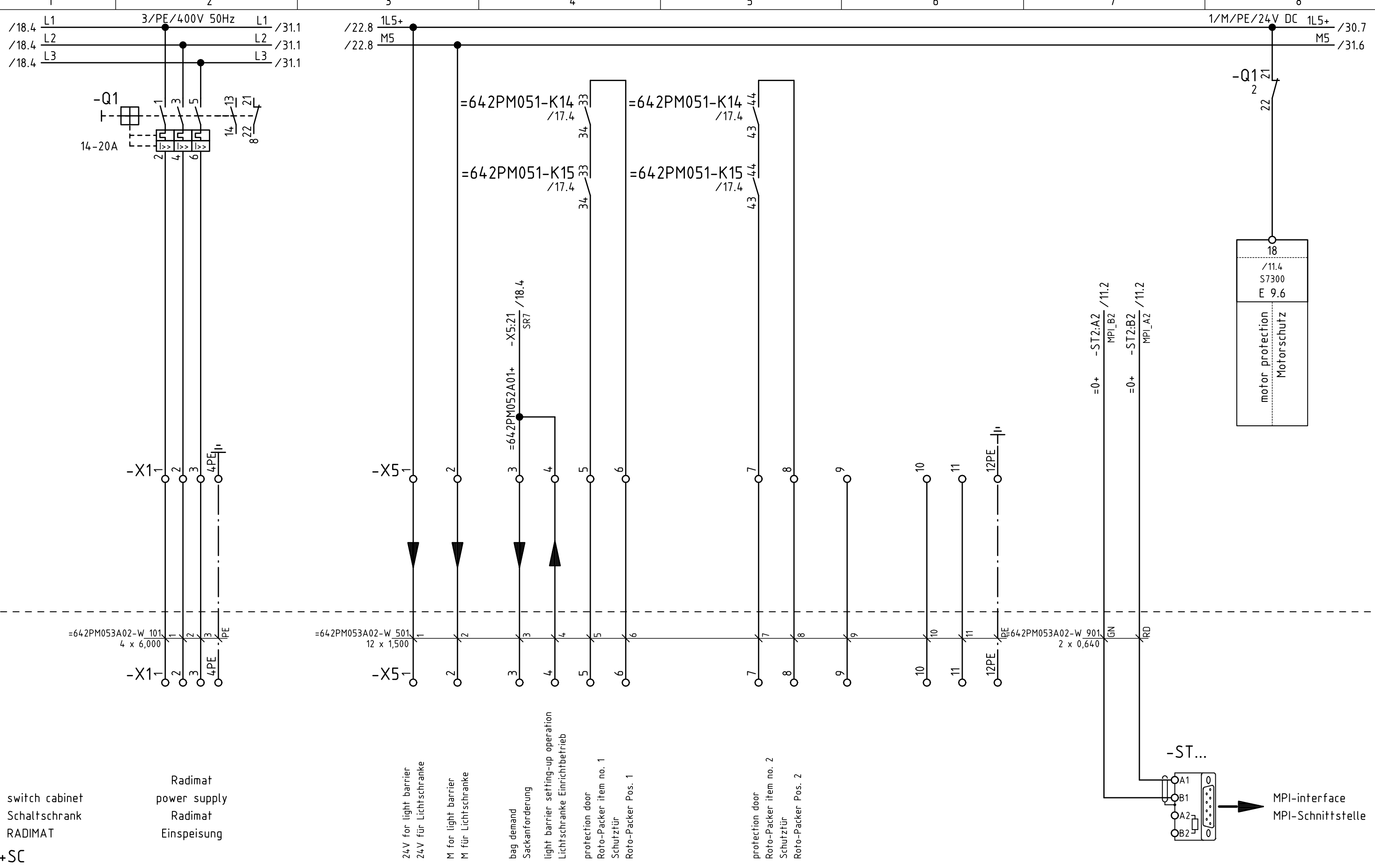
=64.2 WF080+  
-X5:17  
BIN8  
/37.2



-A3

9A	10A	11A	12A	13A	14A	15A	16A
MECIII A 1.09 /22.5	MECIII A 1.10 /22.5	MECIII A 1.11 /22.5	MECIII A 1.12 /22.5	MECIII A 1.13 /22.5	MECIII A 1.14 /22.5	MECIII A 1.15 /22.5	MECIII A 1.16 /22.5
spout number BIN 16 belt 1	bag ejector belt 1	cleaning active	fault motor protection	fault discharge	fault initiator belt 1	fault after flow control	fault quick discharge
Stütznummer BIN 16 Band 1	Ausschleuser Band 1	Reinigen aktiv	Fehler Motorschutz	Fehler Abwurf	Fehler Initiator Band 1	Fehler Nachstromregler	Fehler Schnellentleerung

-A3	17A	18A	19A	20A	21A	22A	23A	24A
	MECIII A 1.17 /22.5	MECIII A 1.18 /22.5	MECIII A 1.19 /22.5	MECIII A 1.20 /22.5	MECIII A 1.21 /22.5	MECIII A 1.22 /22.5	MECIII A 1.23 /22.5	MECIII A 1.24 /22.5
	fault sort not free Fehler Sorte nicht frei	fault welding Fehler schweißen	discharge locked belt 1 Abwurf verriegelt Band 1	fault saddle height adjustment Fehler Sattelhöhen- verstellung	fault interface Fehler Schnittstelle	fault bag - OK Fehler Sack - OK	fault correction Fehler Korrektur	fault wrong sort Fehler Sorte falsch



switch cabinet  
Schaltschrank  
RADIMAT

Radimat  
power supply  
Radimat  
Einspeisung

24V for light barrier  
24V für Lichtschranke

M for light barrier  
M für Lichtschranke

bag demand  
Sackanforderung

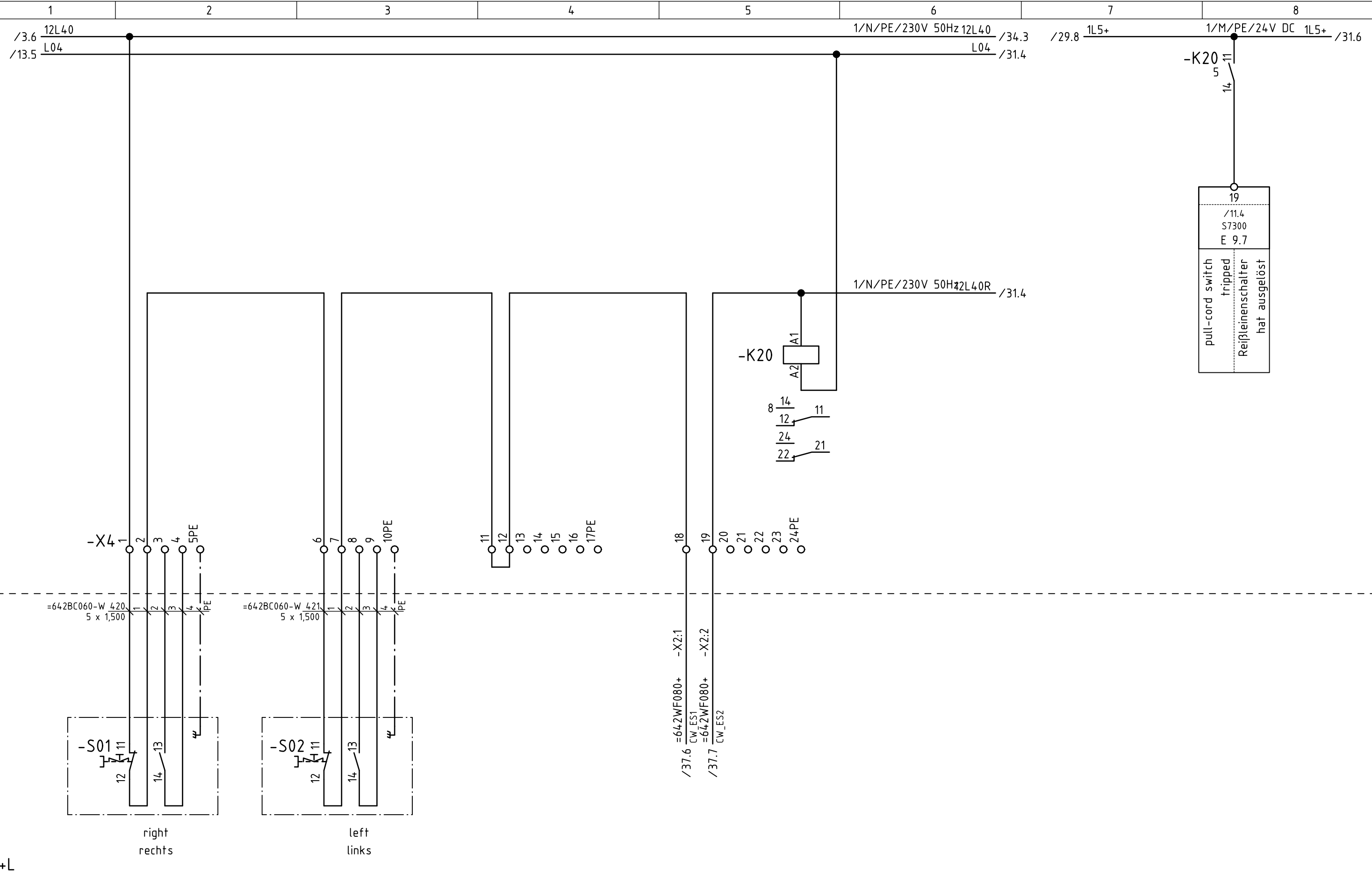
light barrier setting-up operation  
Lichtschranke Einrichtungbetrieb

protection door  
Roto-Packer item no. 1  
Schutz für  
Roto-Packer Pos. 1

protection door  
Roto-Packer item no. 2  
Schutz für  
Roto-Packer Pos. 2

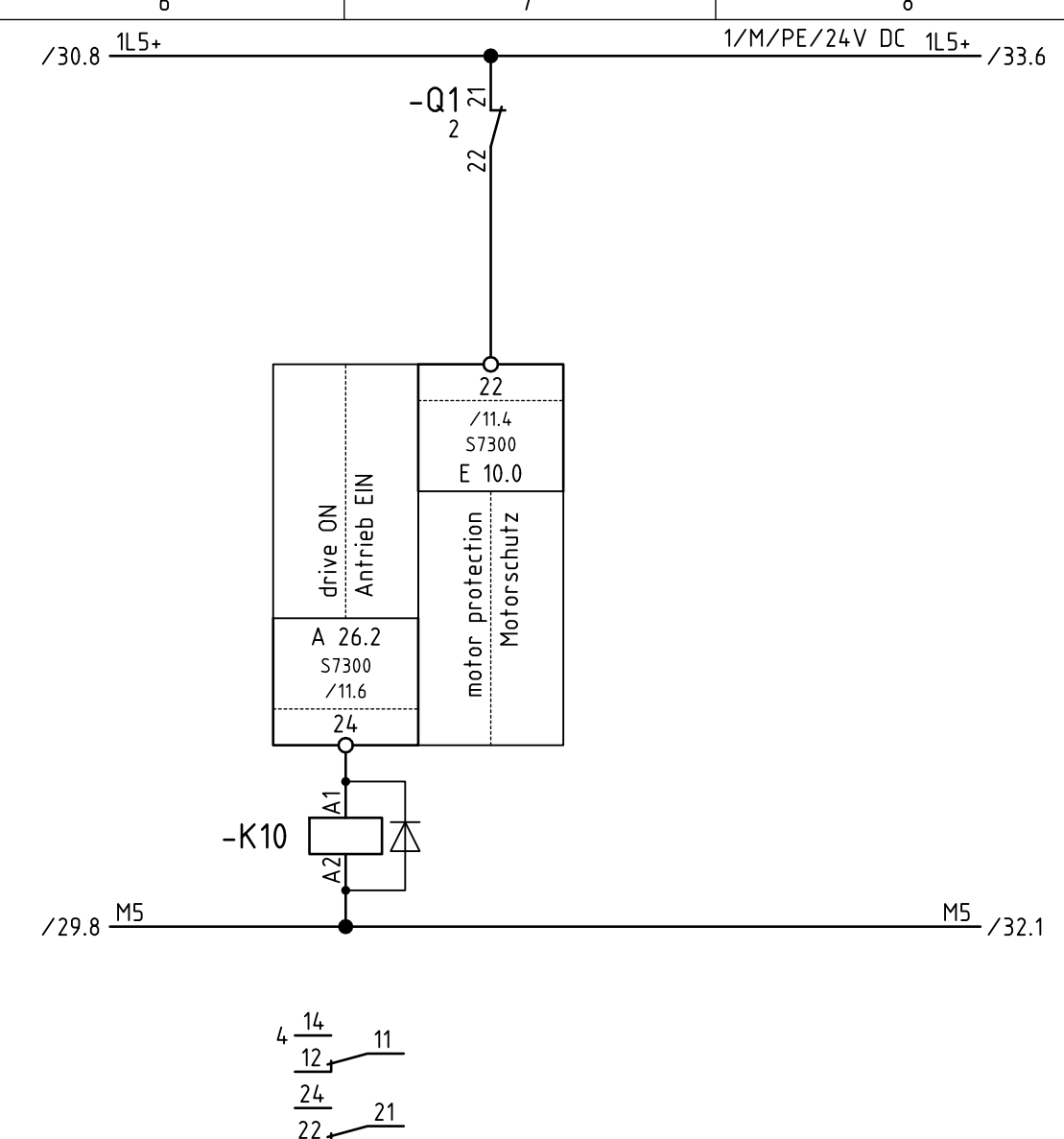
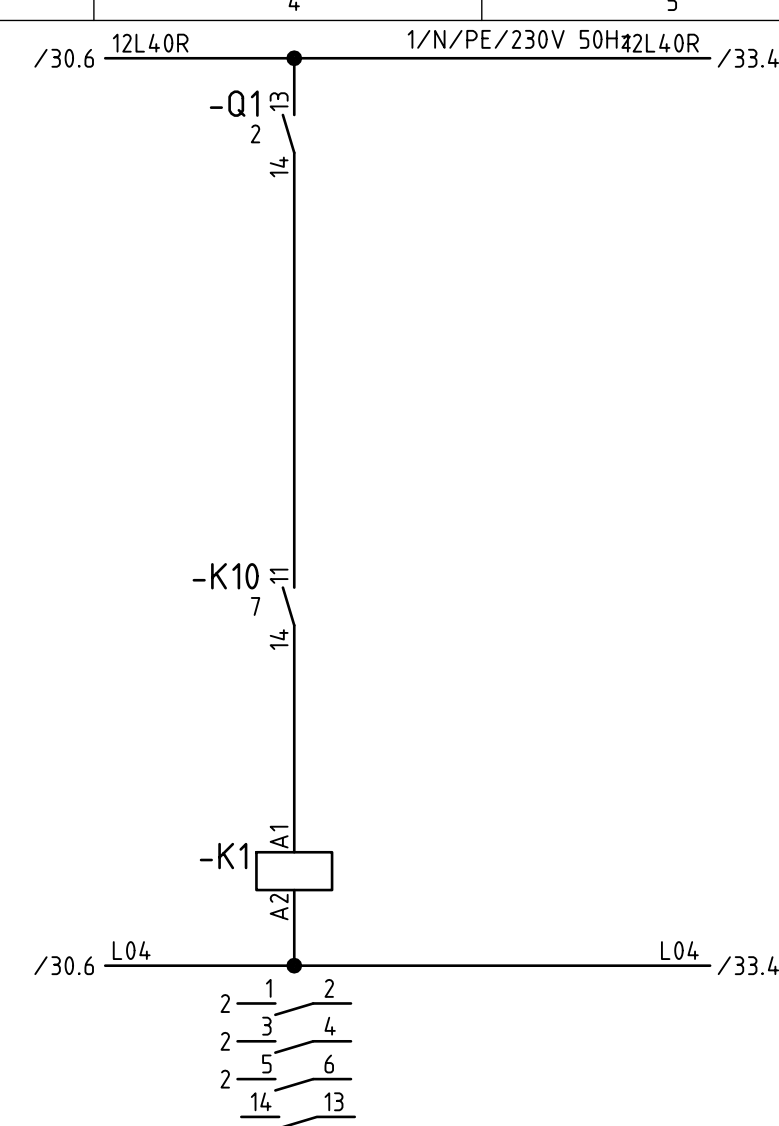
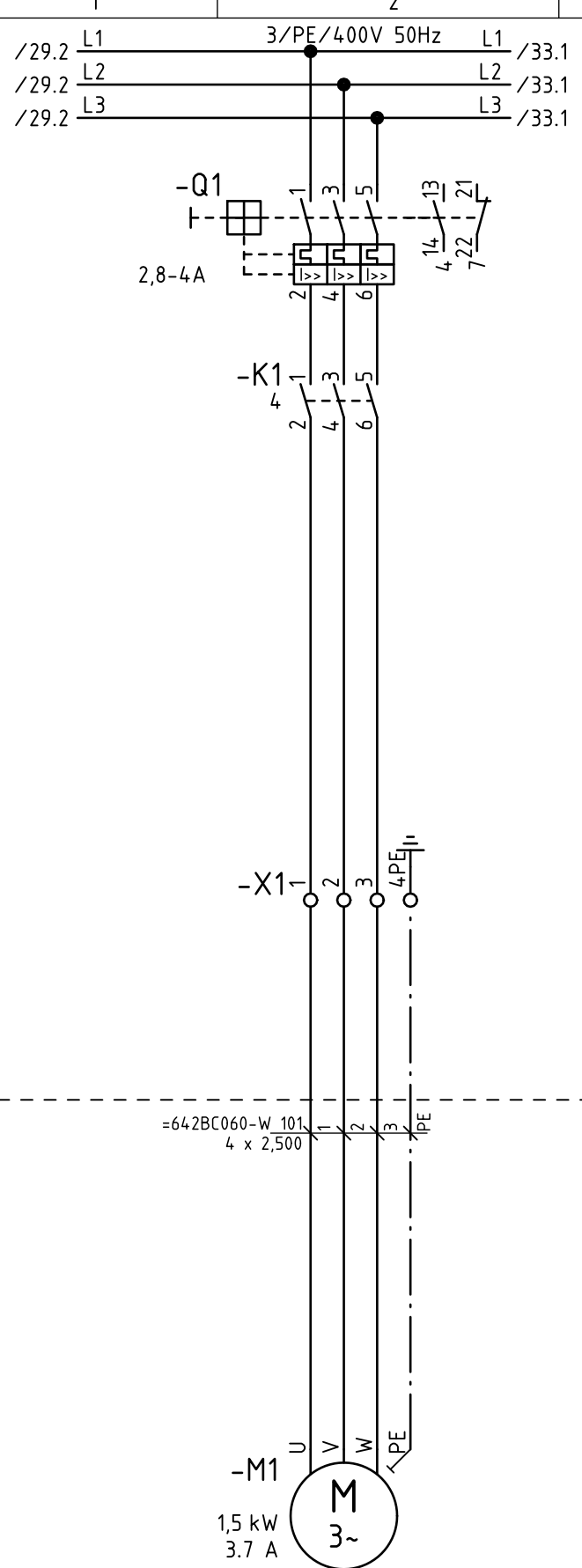
MPI-interface  
MPI-Schnittstelle

power supply RADIMAT  
Einspeisung RADIMAT



19
/11.4
S7300
E 9.7
pull-cord switch tripped Reißleinschalter hat ausgelöst

pull-cord switch  
Reißleinschalter



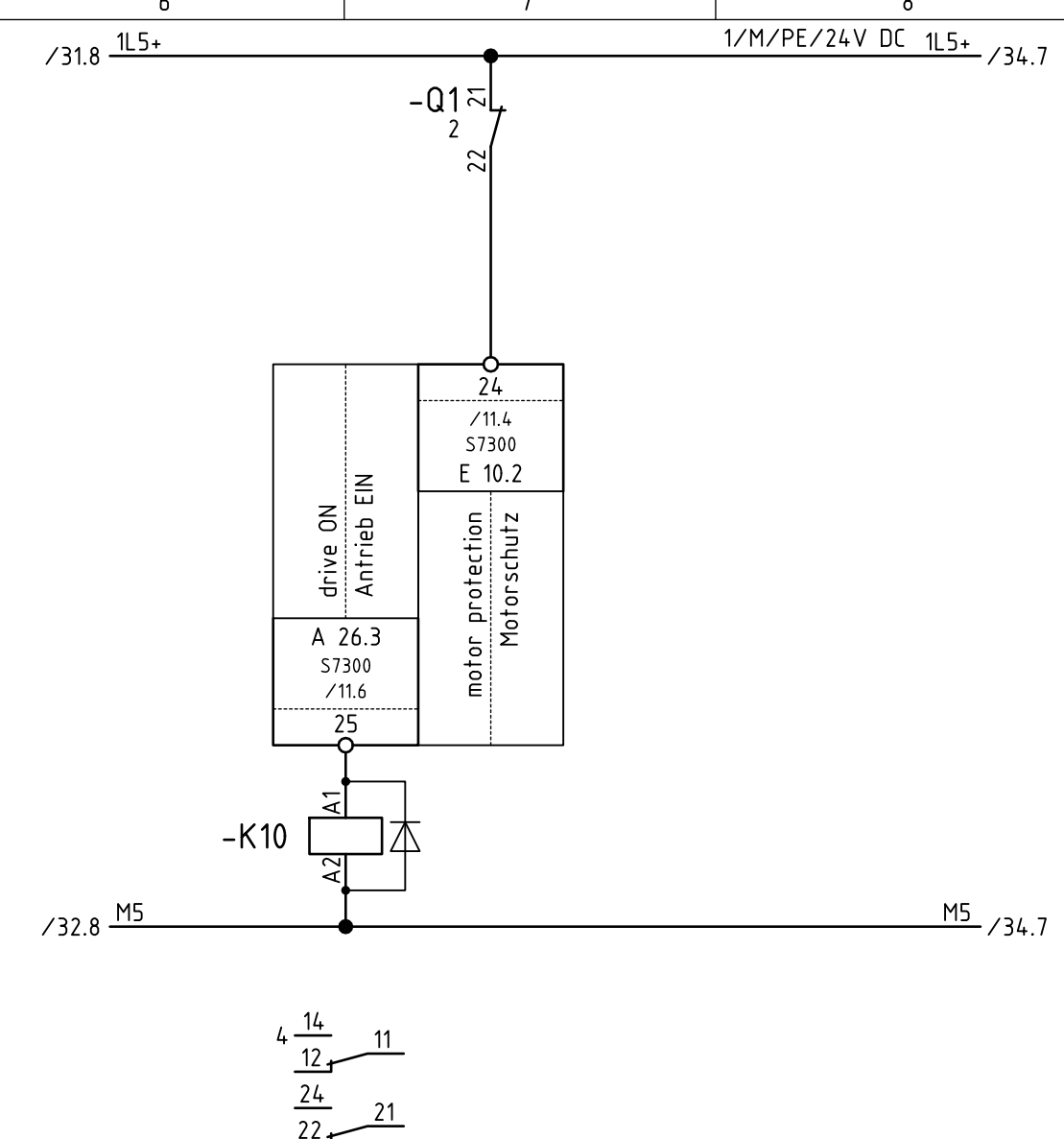
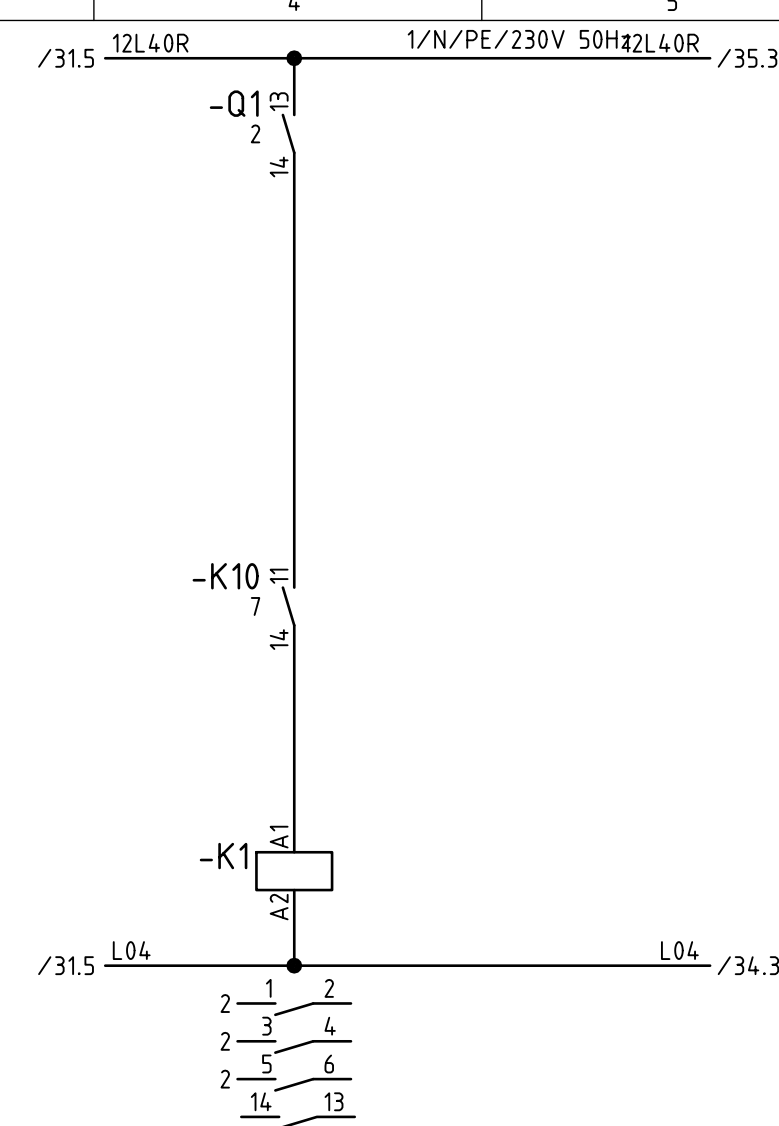
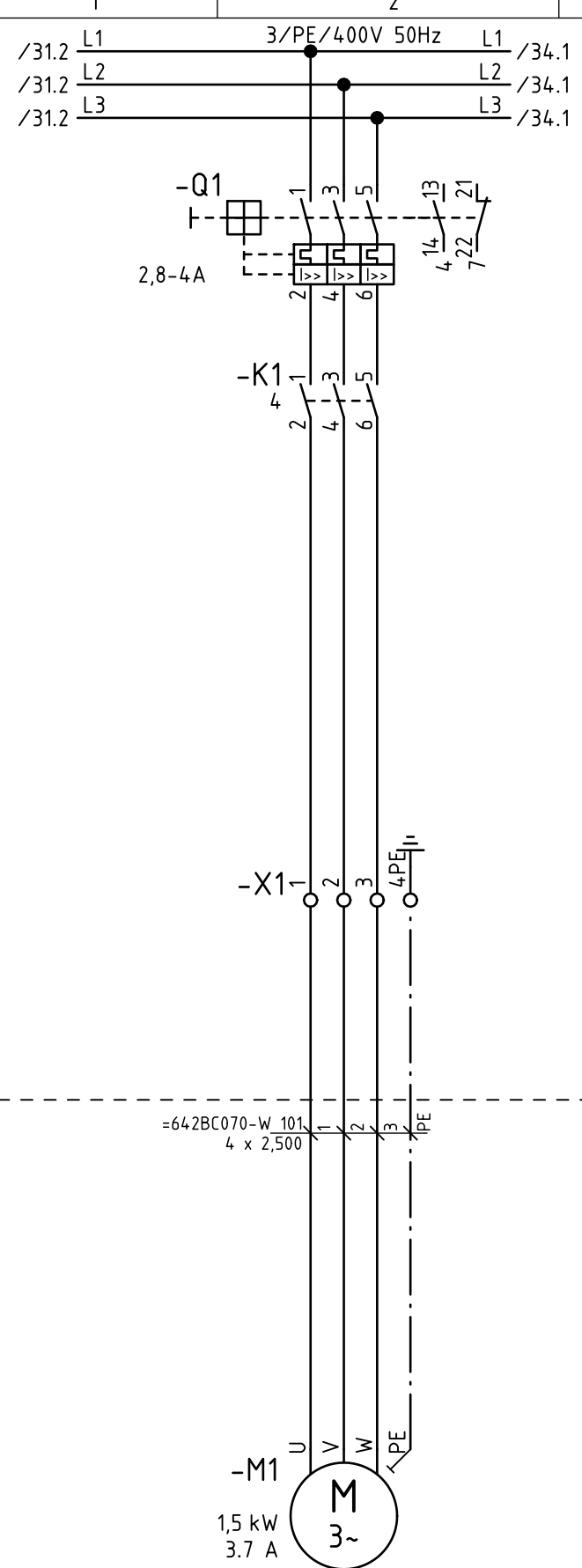
drive ON Antrieb EIN	22
	/11.4 S7300 E 10.0
A 26.2 S7300 /11.6	motor protection Motorschutz
	24

discharge belt  
Austrageband



+L

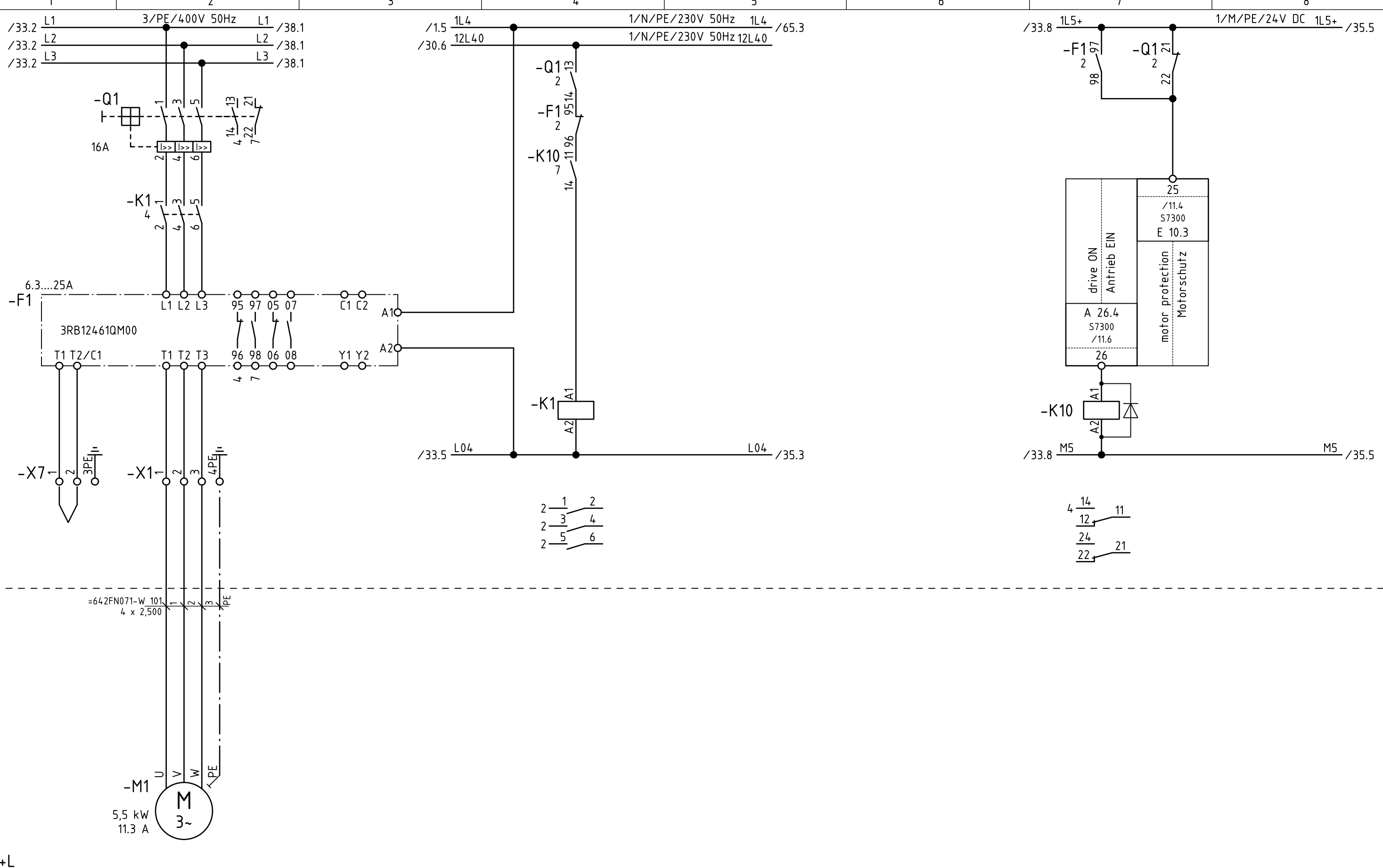
bag jam  
 Sackstau



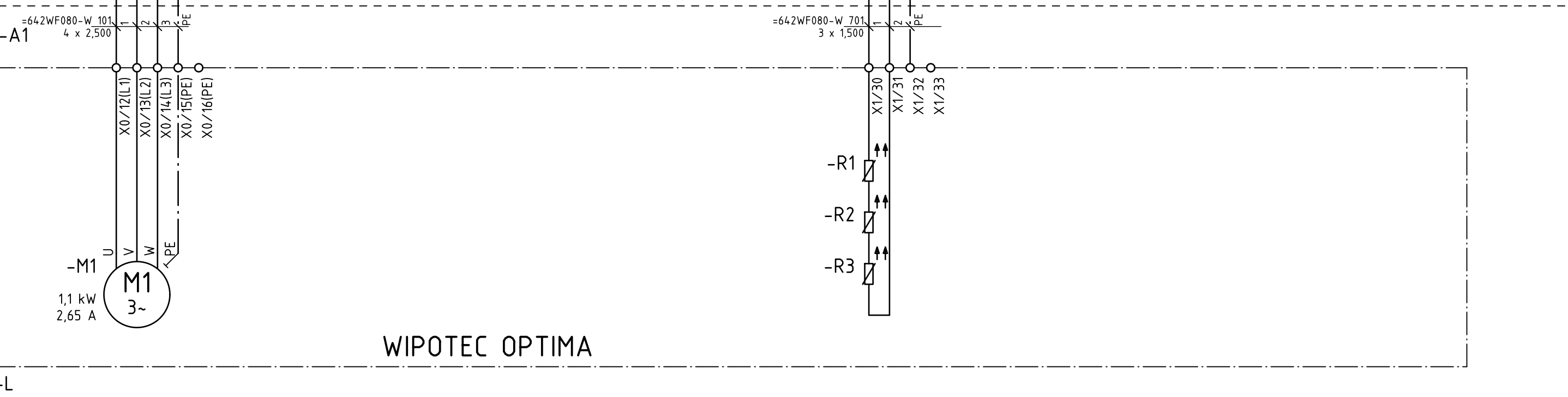
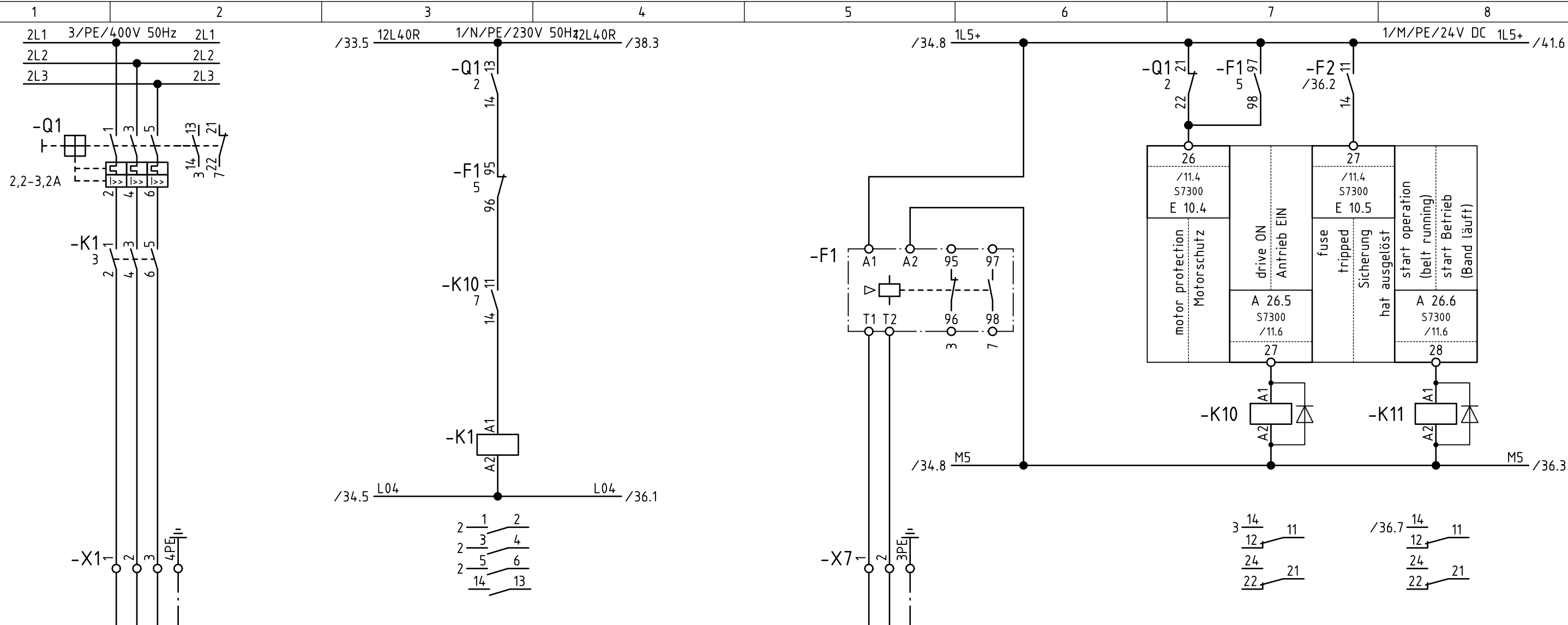
drive ON Antrieb EIN	24 /11.4 S7300 E 10.2
A 26.3 S7300 /11.6	motor protection Motorschutz

bag directing belt  
Sackrichtband



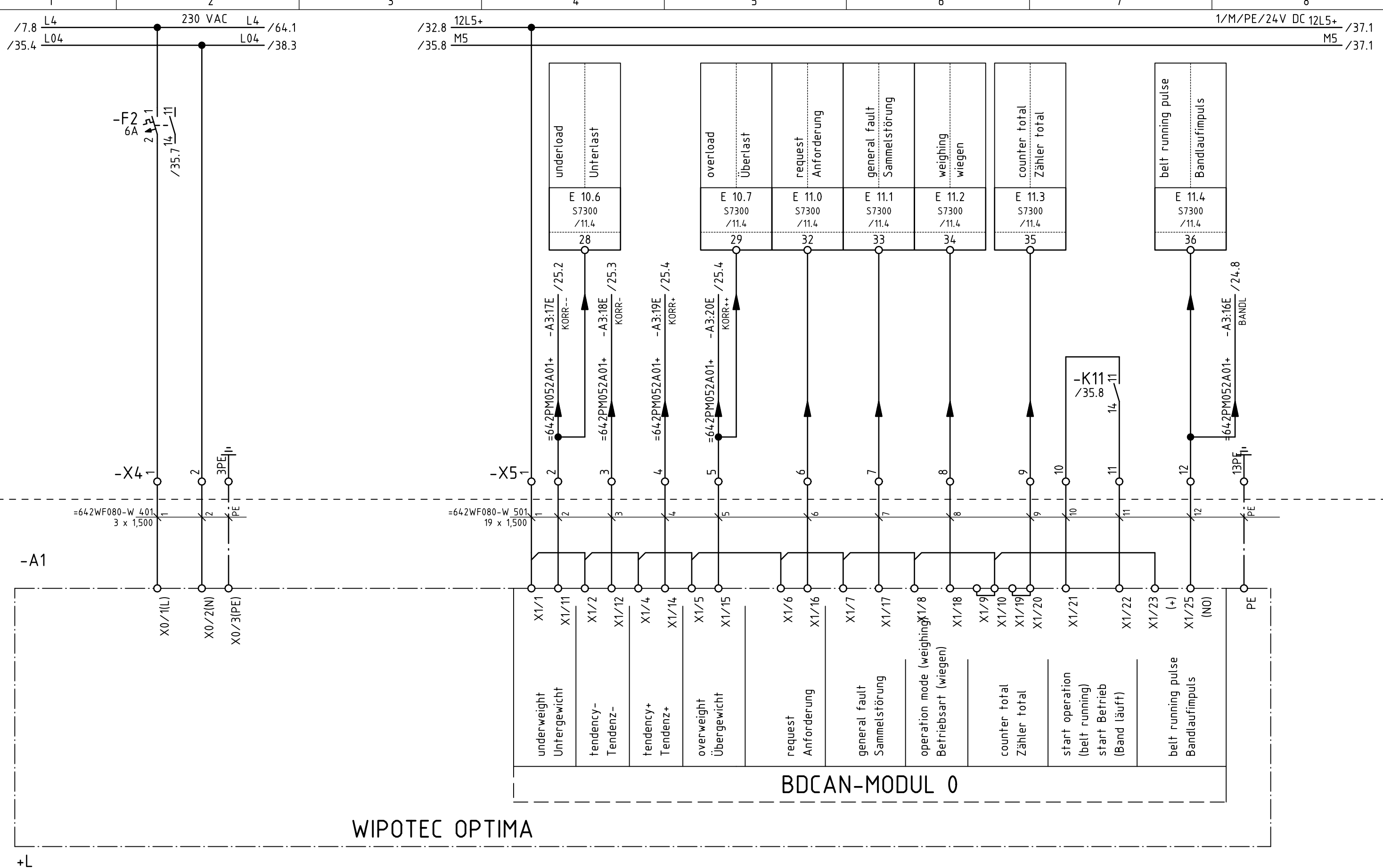


fan  
Ventilator



WIPOTEC OPTIMA

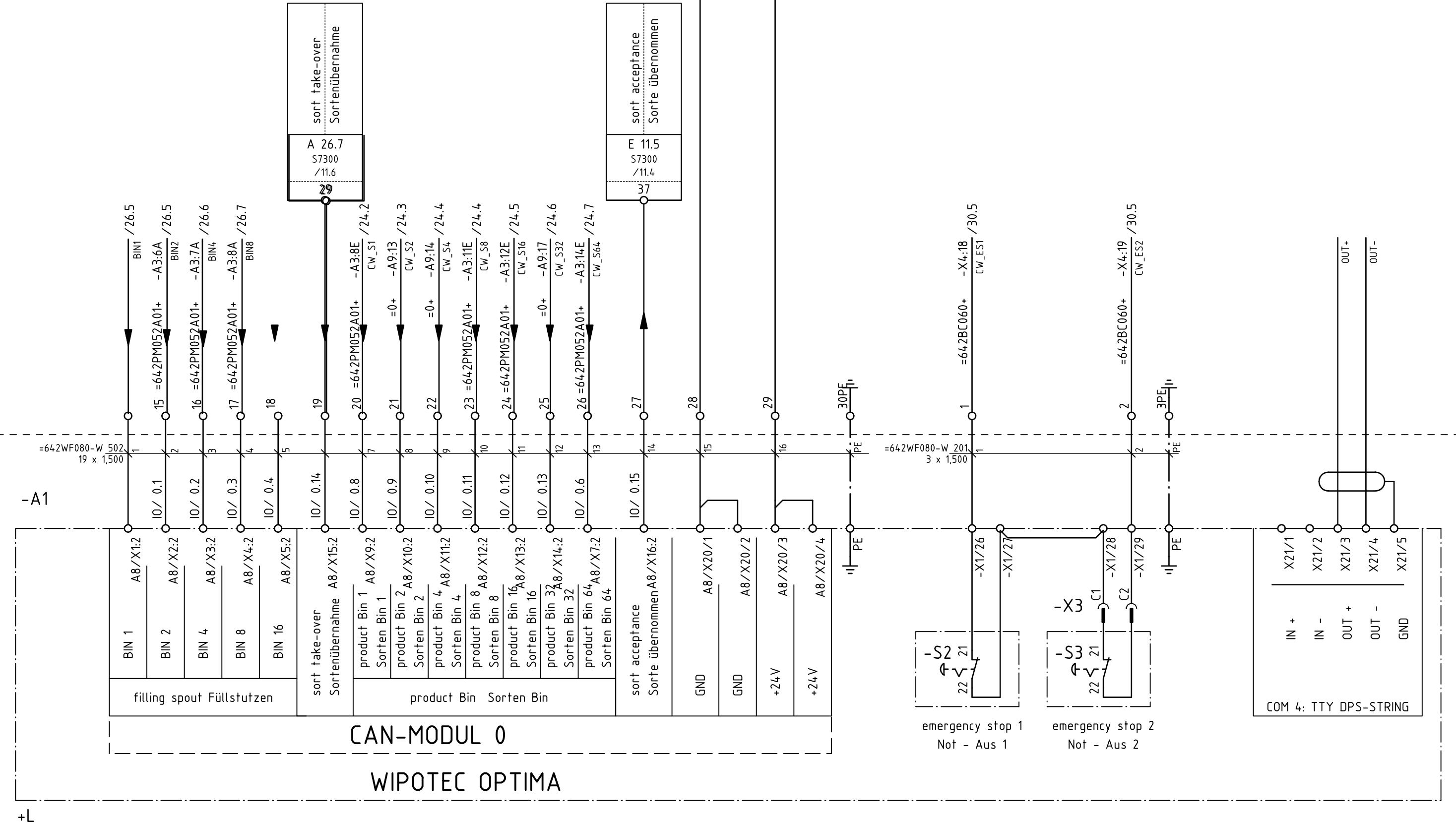
Check weiger  
Kontrollwaage



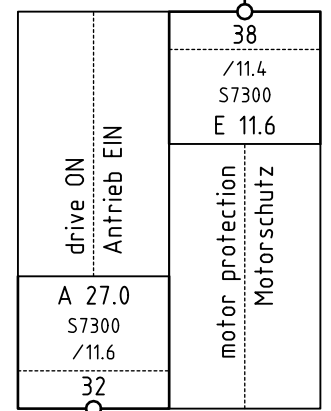
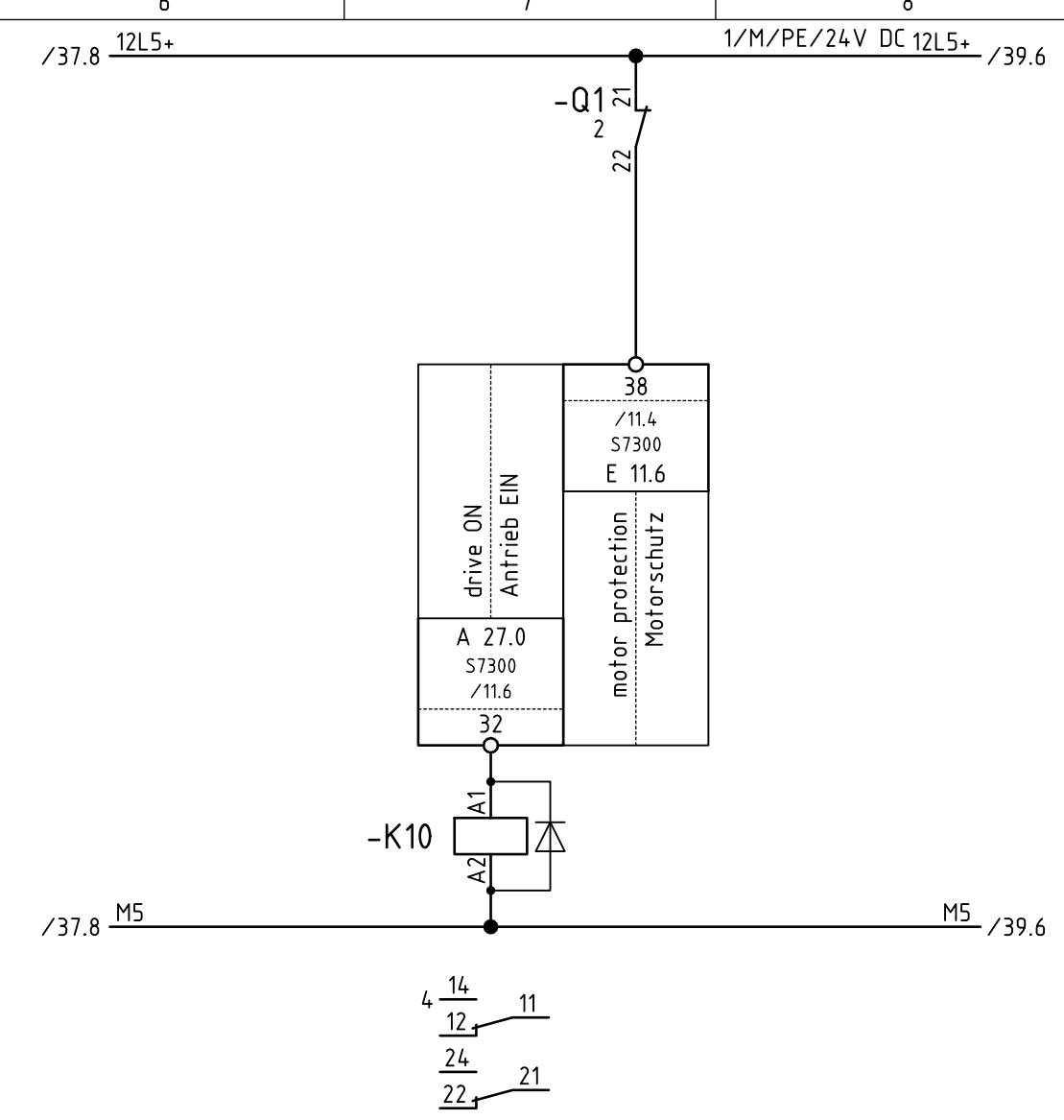
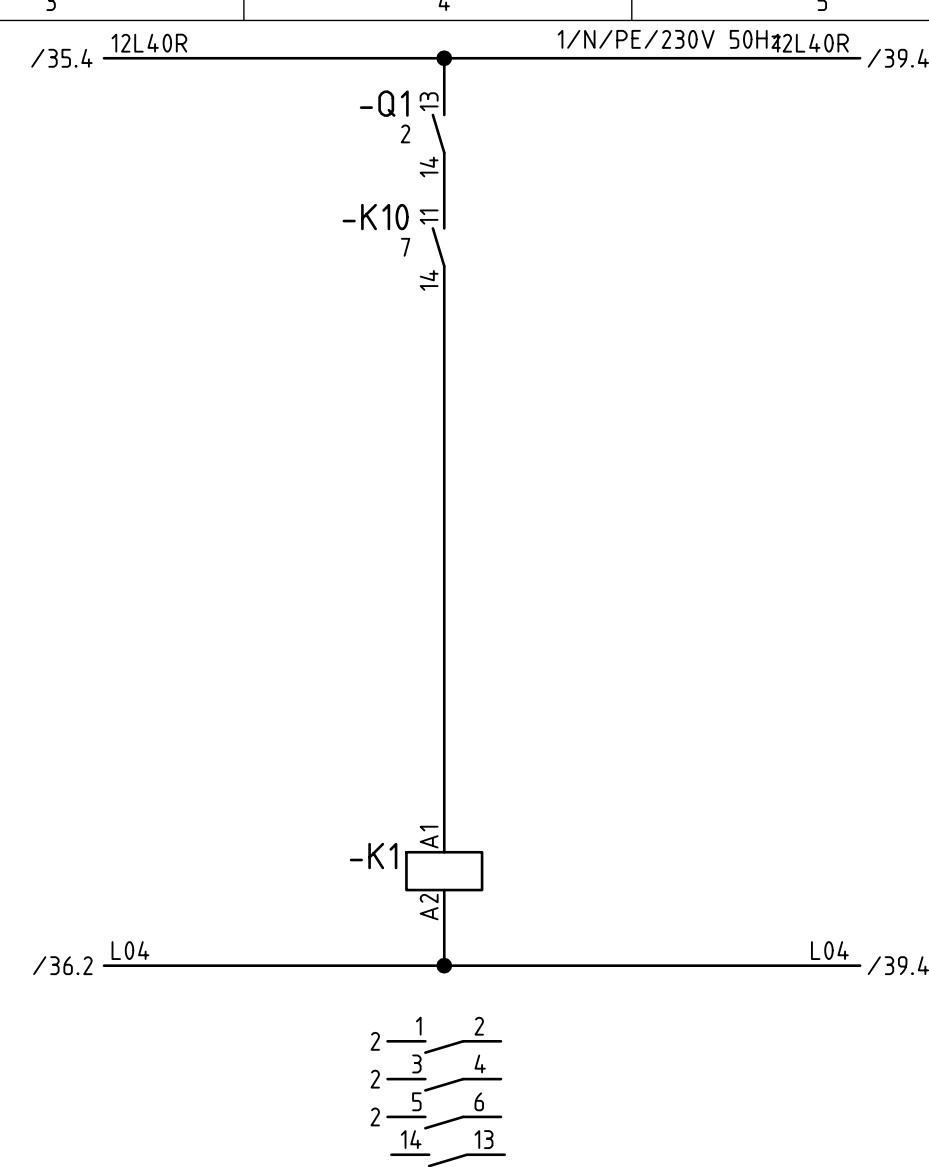
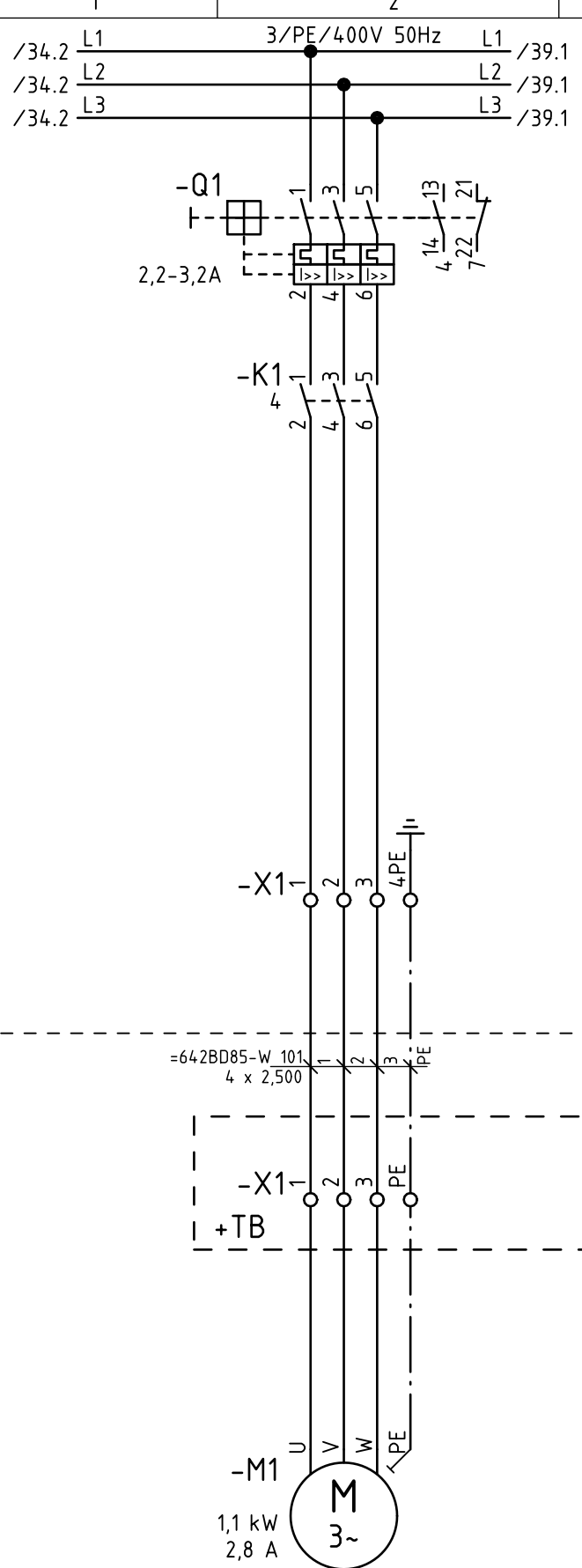
WIPOTEC OPTIMA

BDCAN-MODUL 0

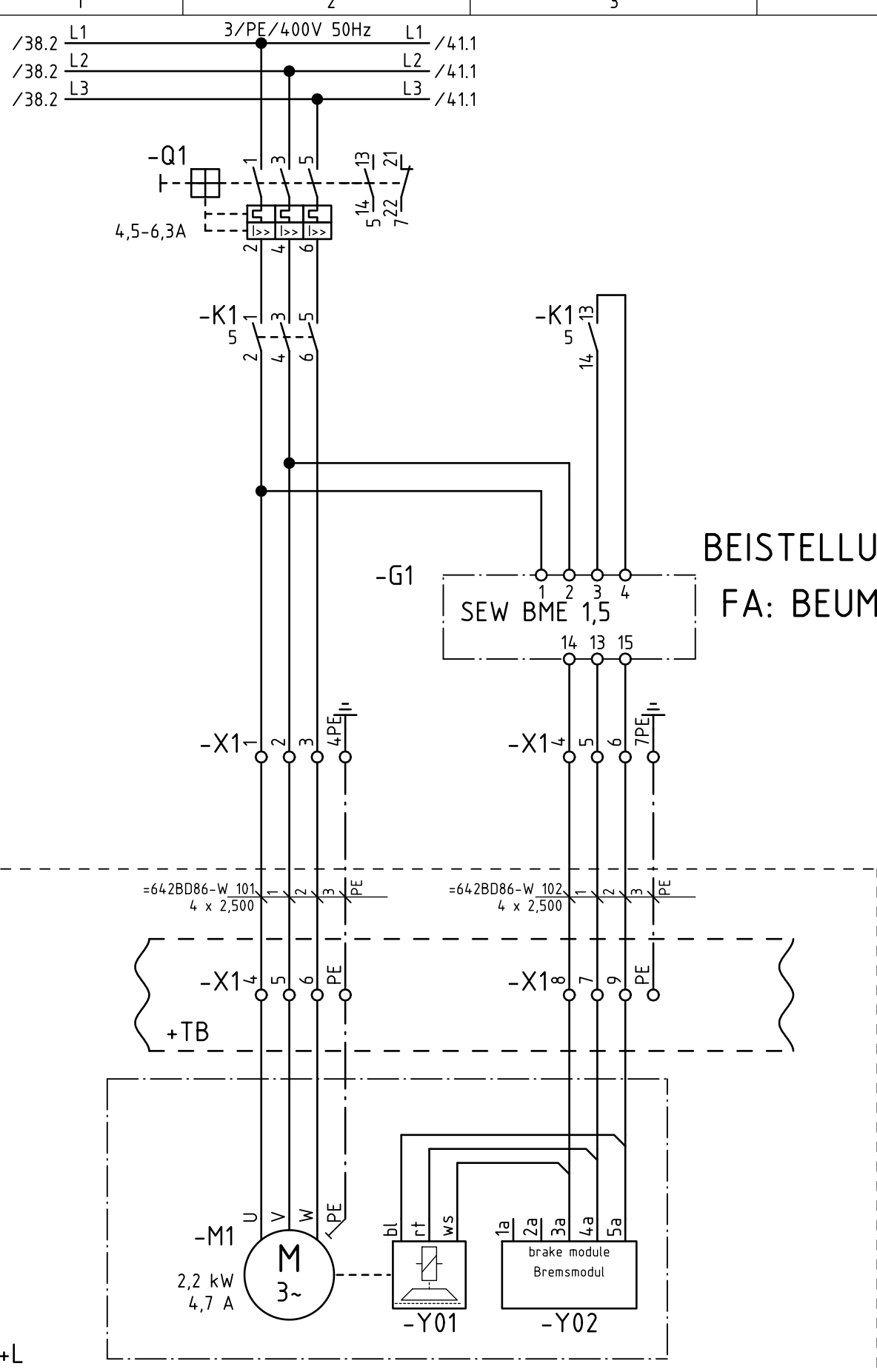
Check weiger  
Kontrollwaage



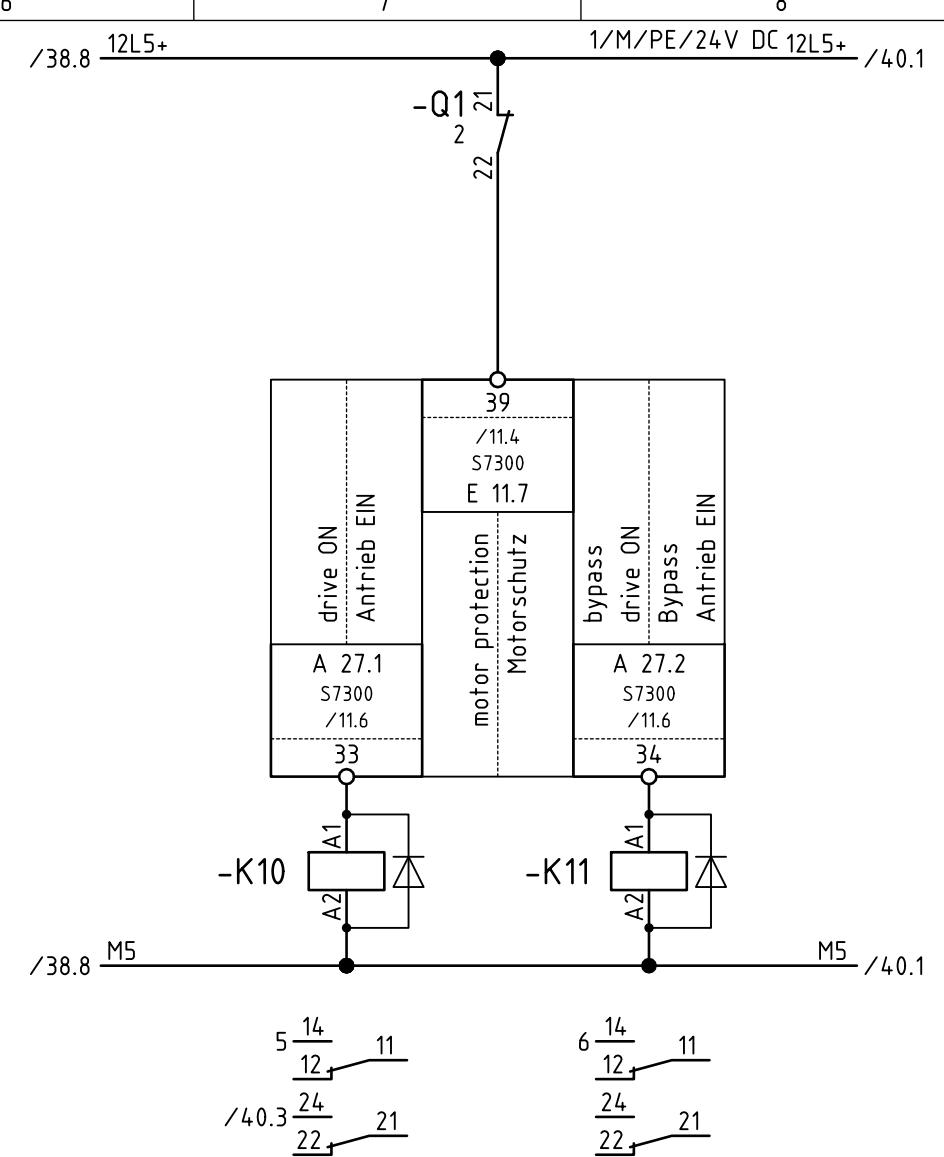
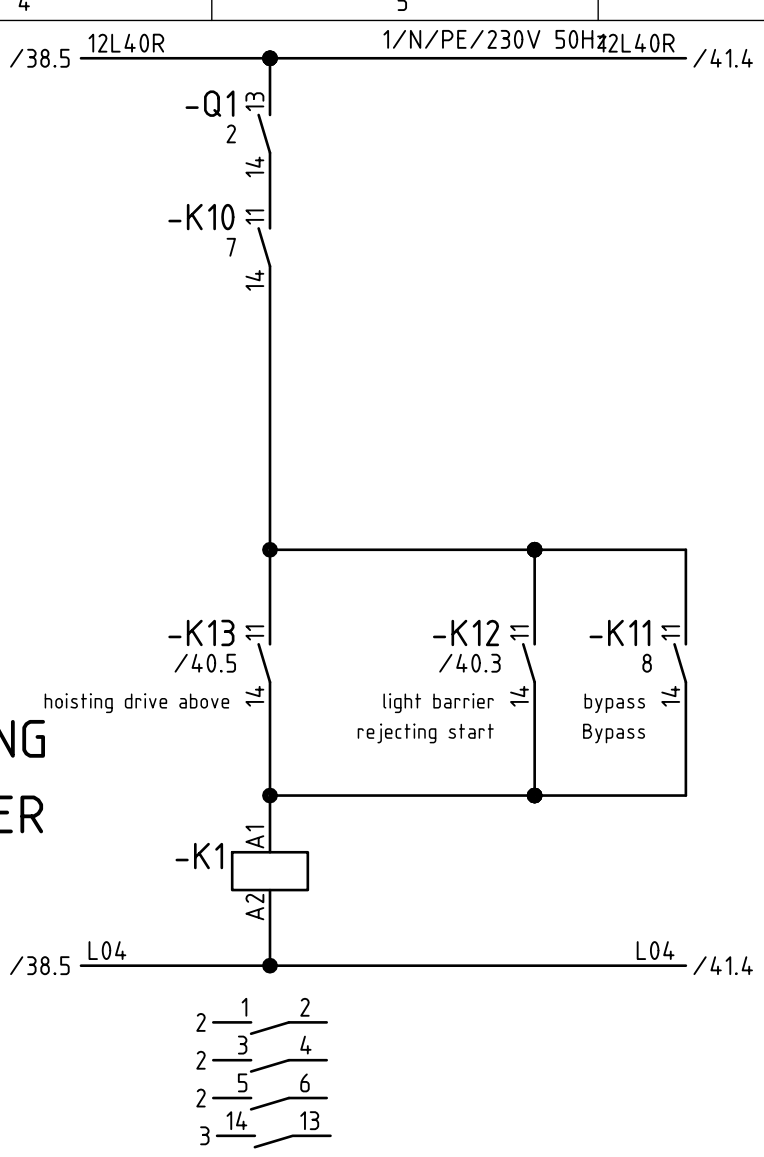
Check weiger  
 Kontrollwaage



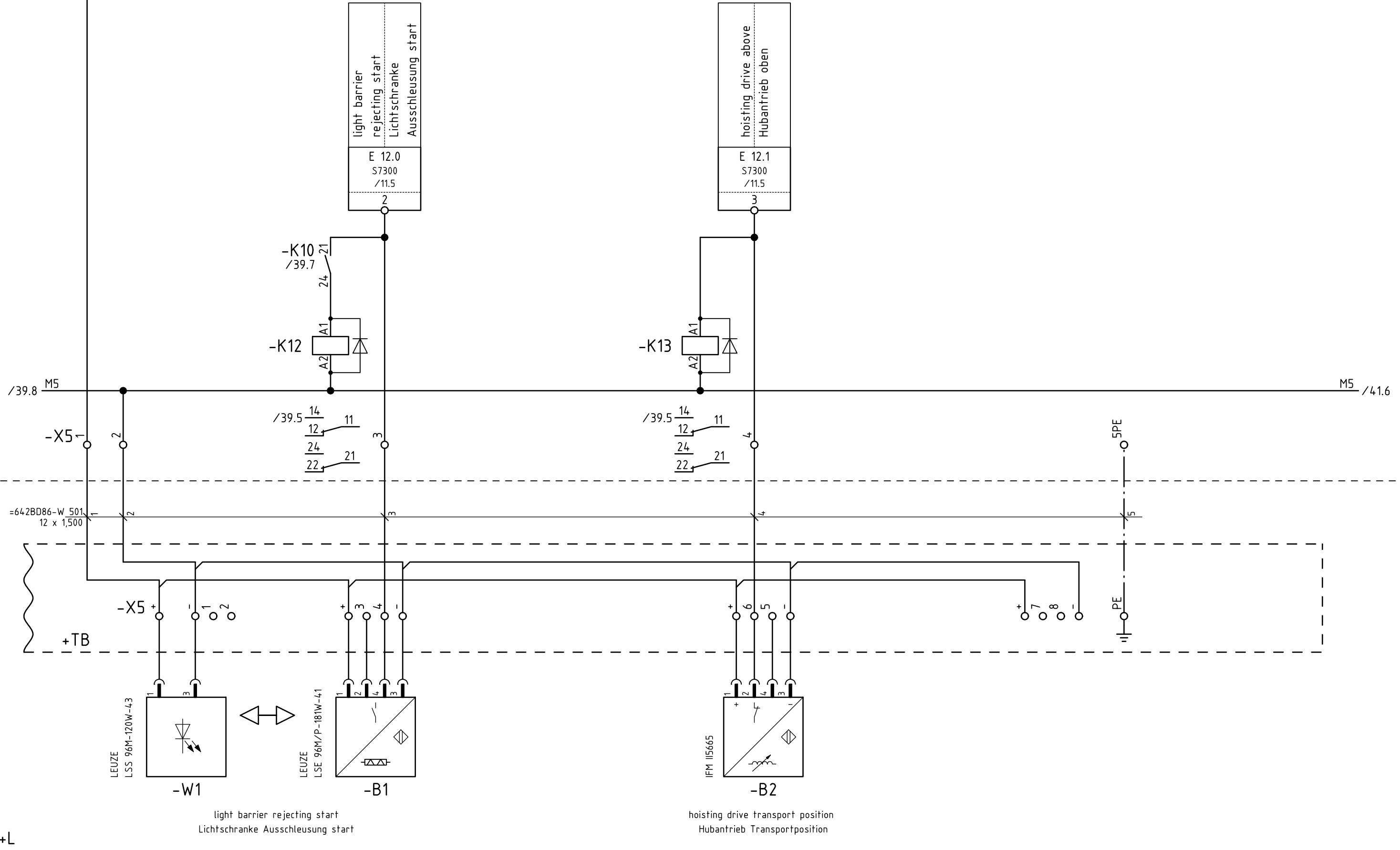
bag rejecting device belt drive  
Sackausschleusung Bandantrieb



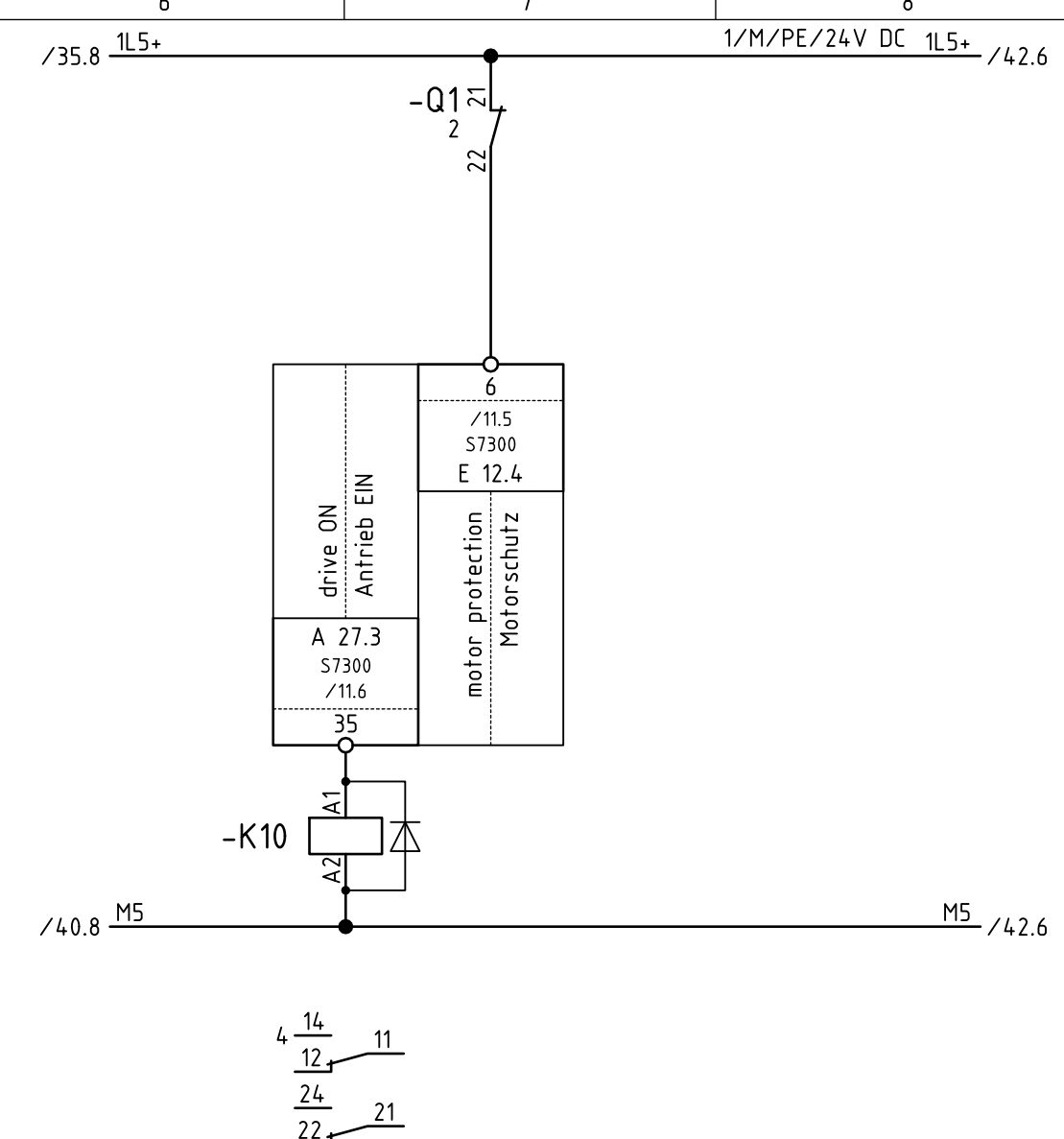
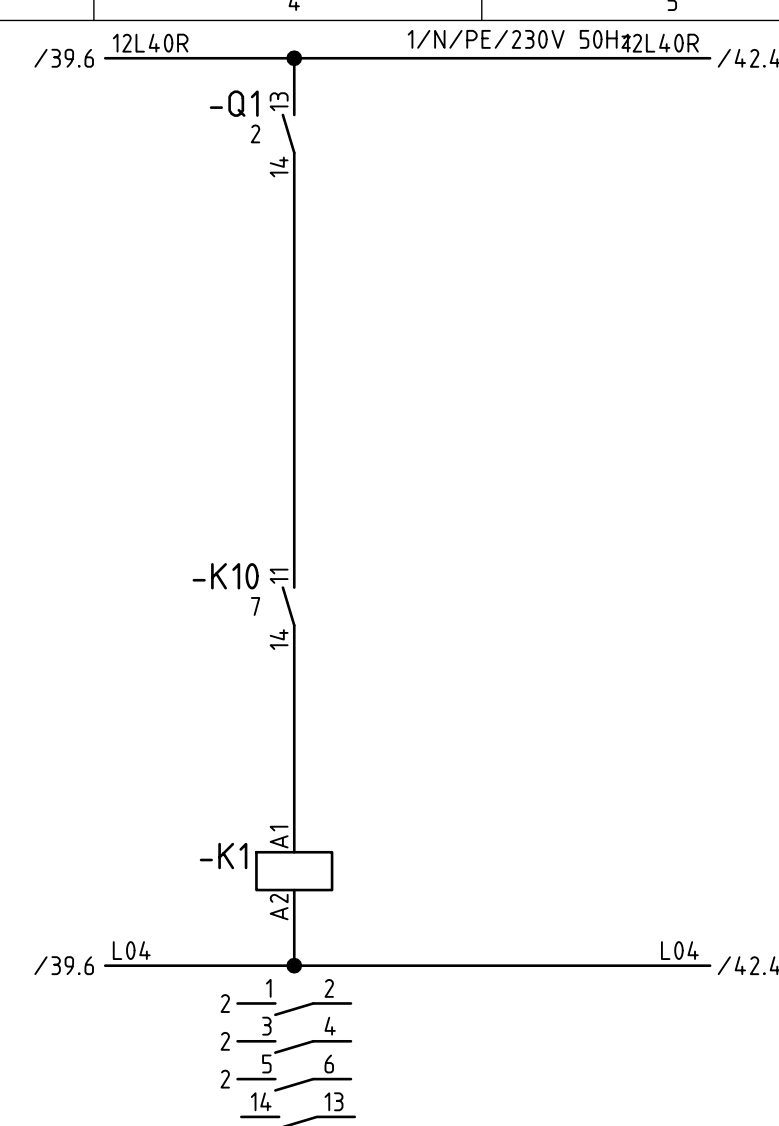
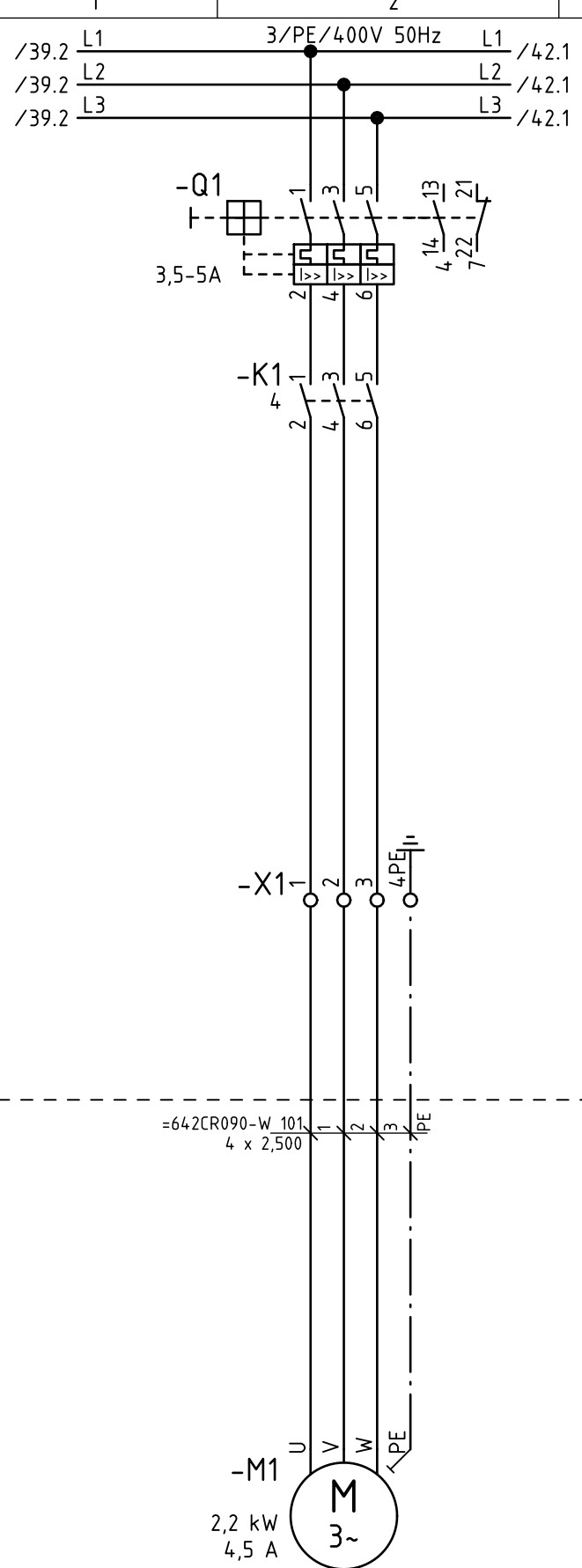
BEISTELLUNG  
FA: BEUMER



lifting device bag rejecting device  
Hebevorrichtung Sackausschleusung

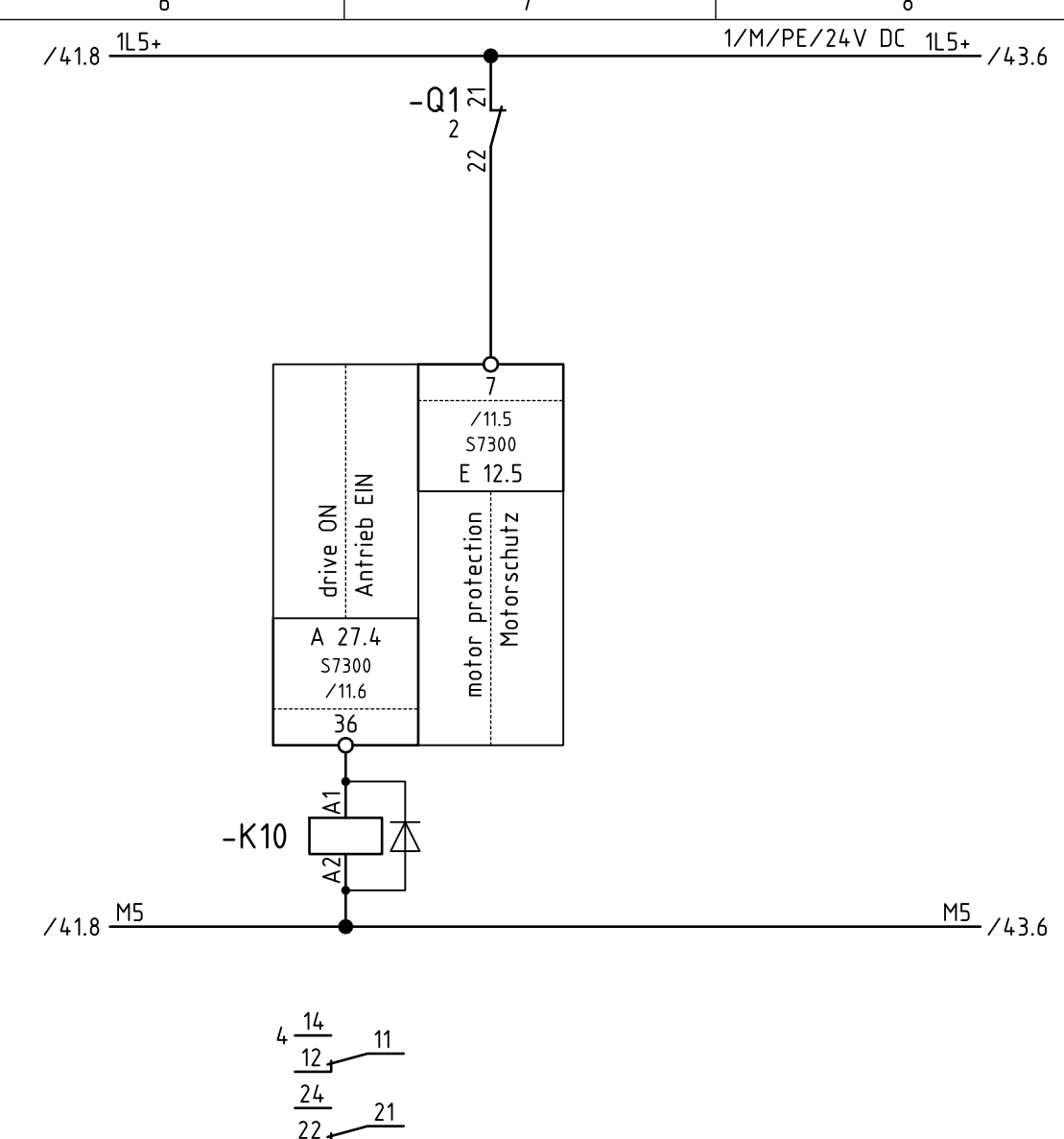
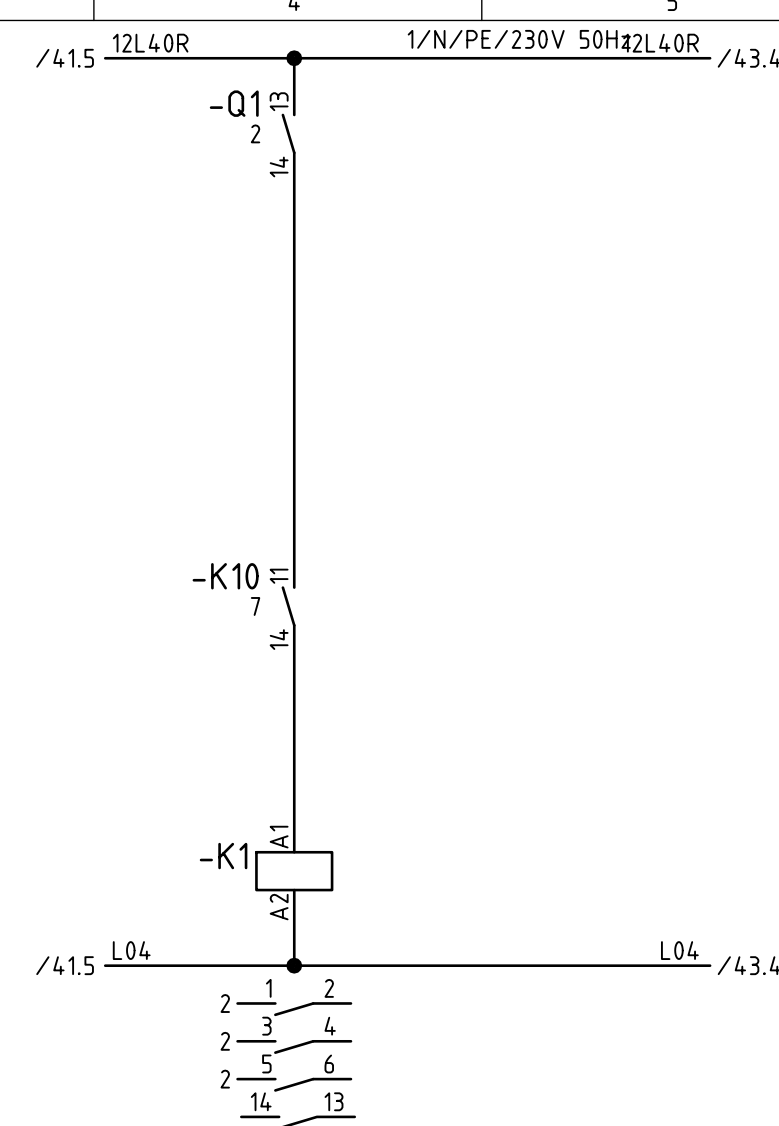
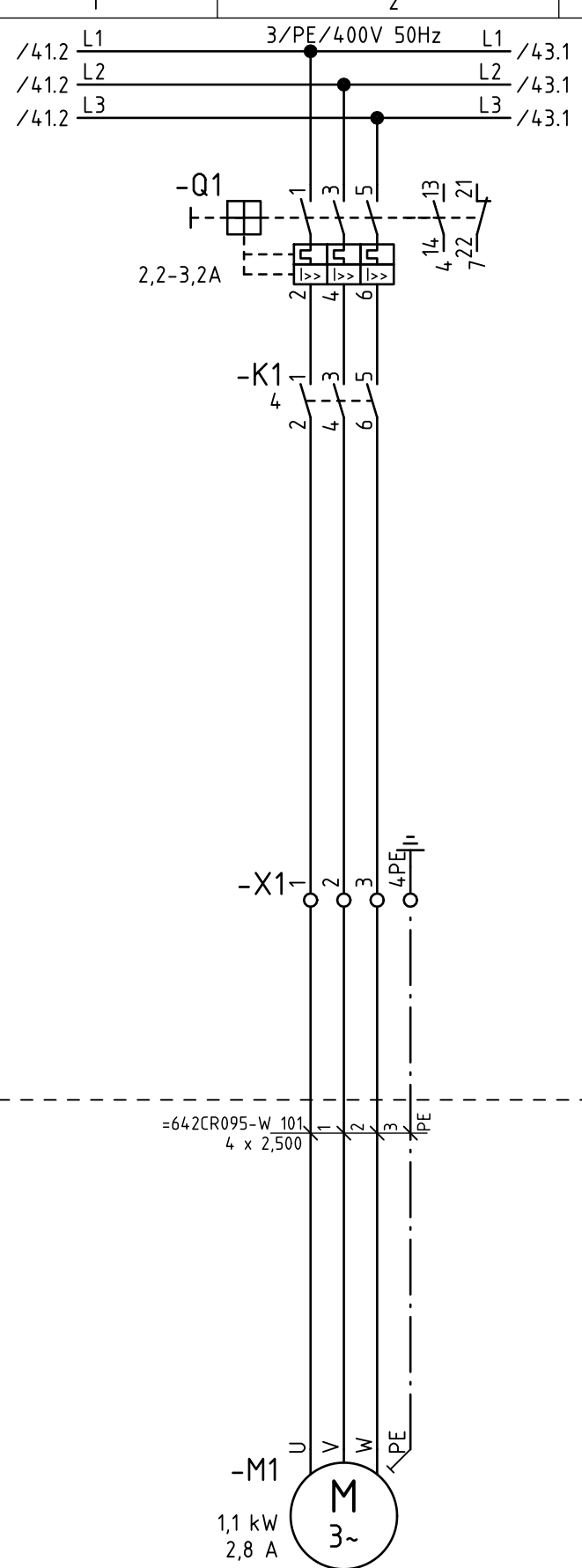


initiator bag rejecting device  
Initiator Sackausschleusung

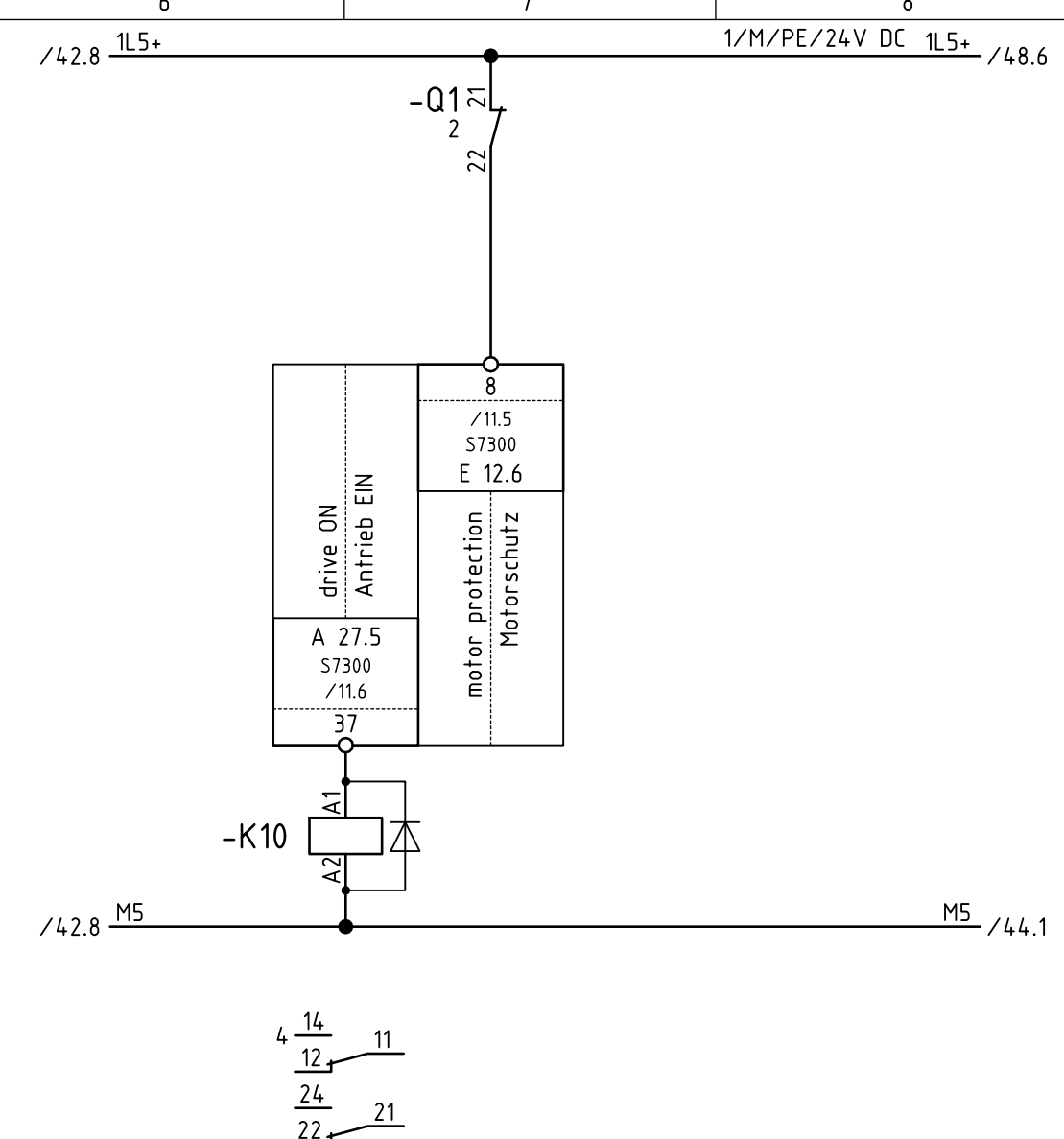
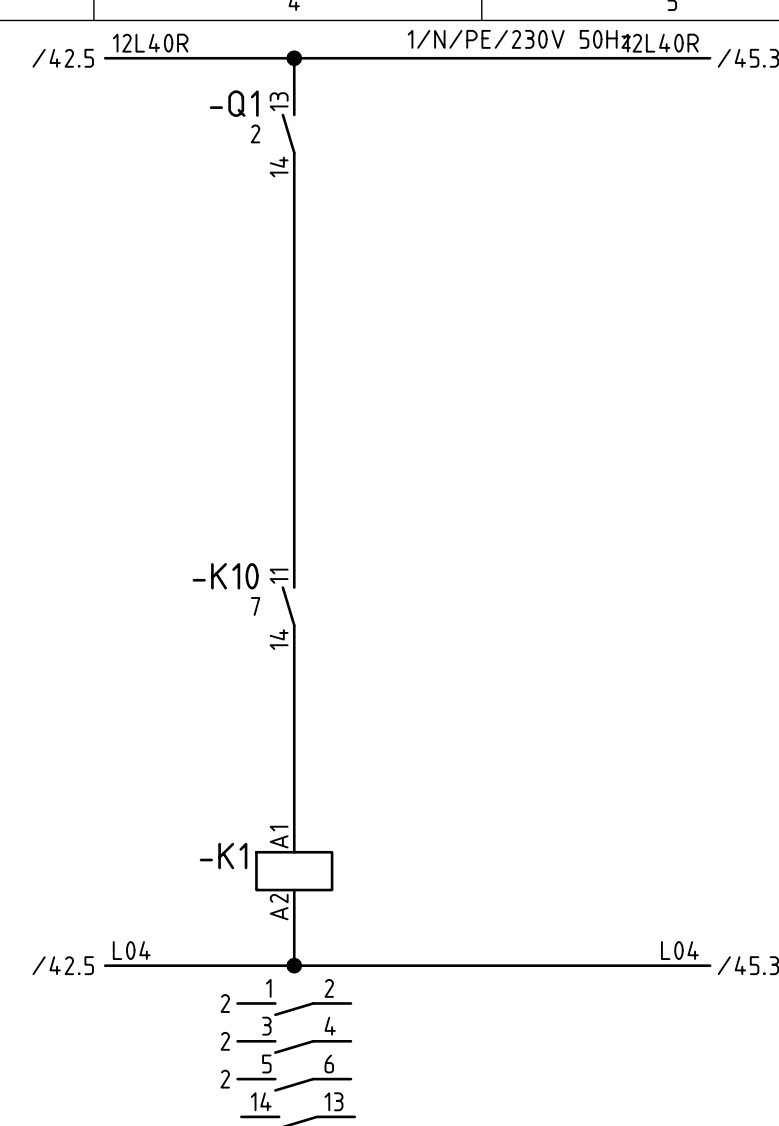
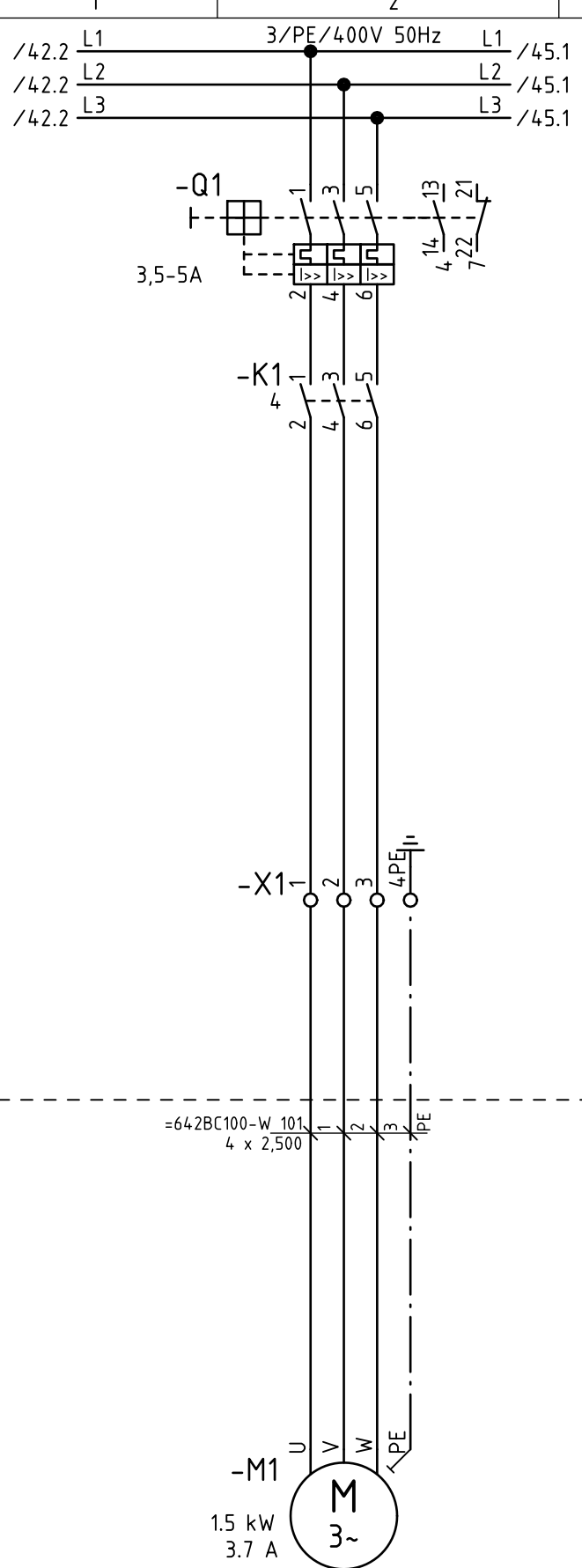


bag destroyer  
Sackzerkleinerer

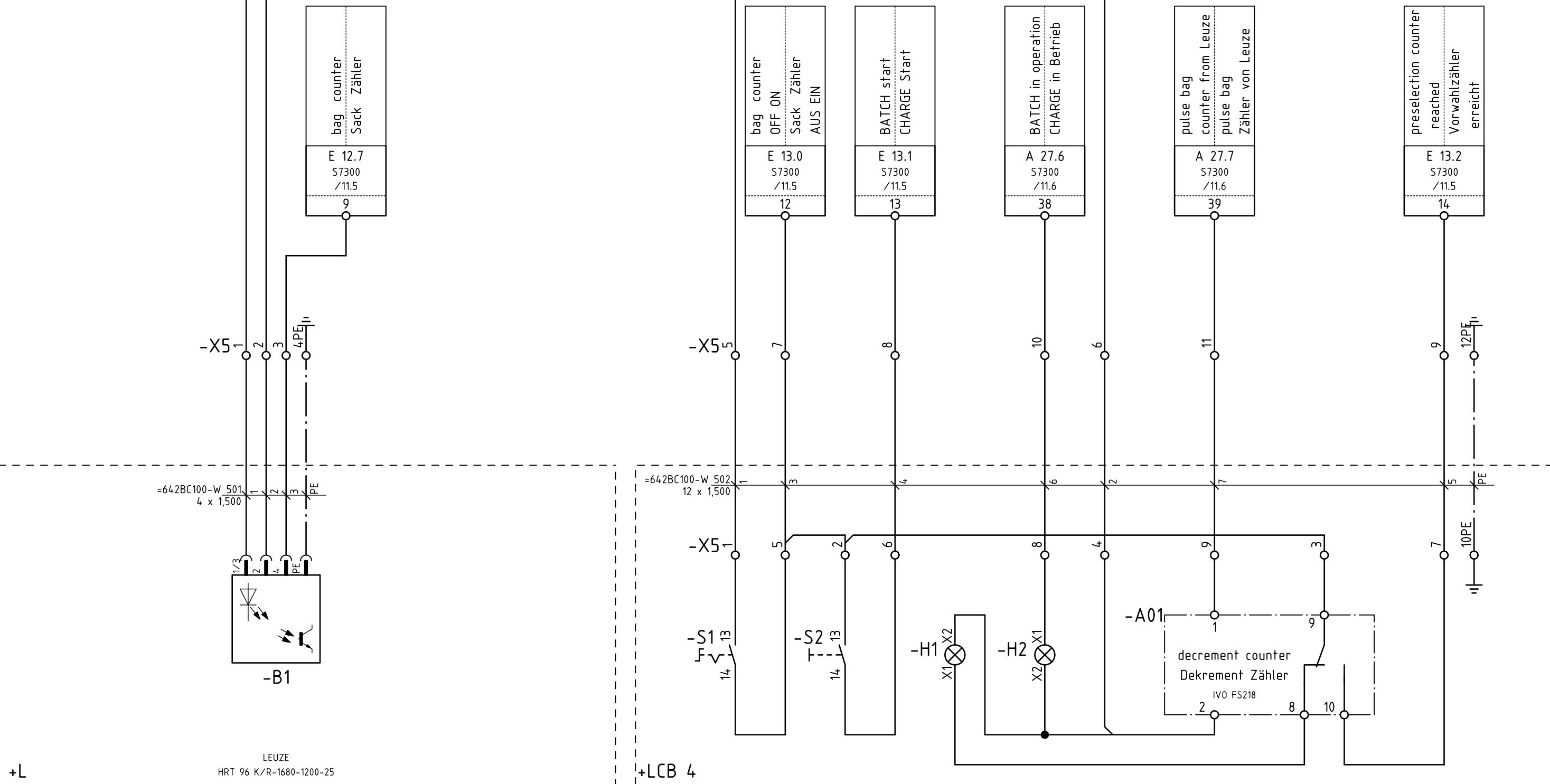




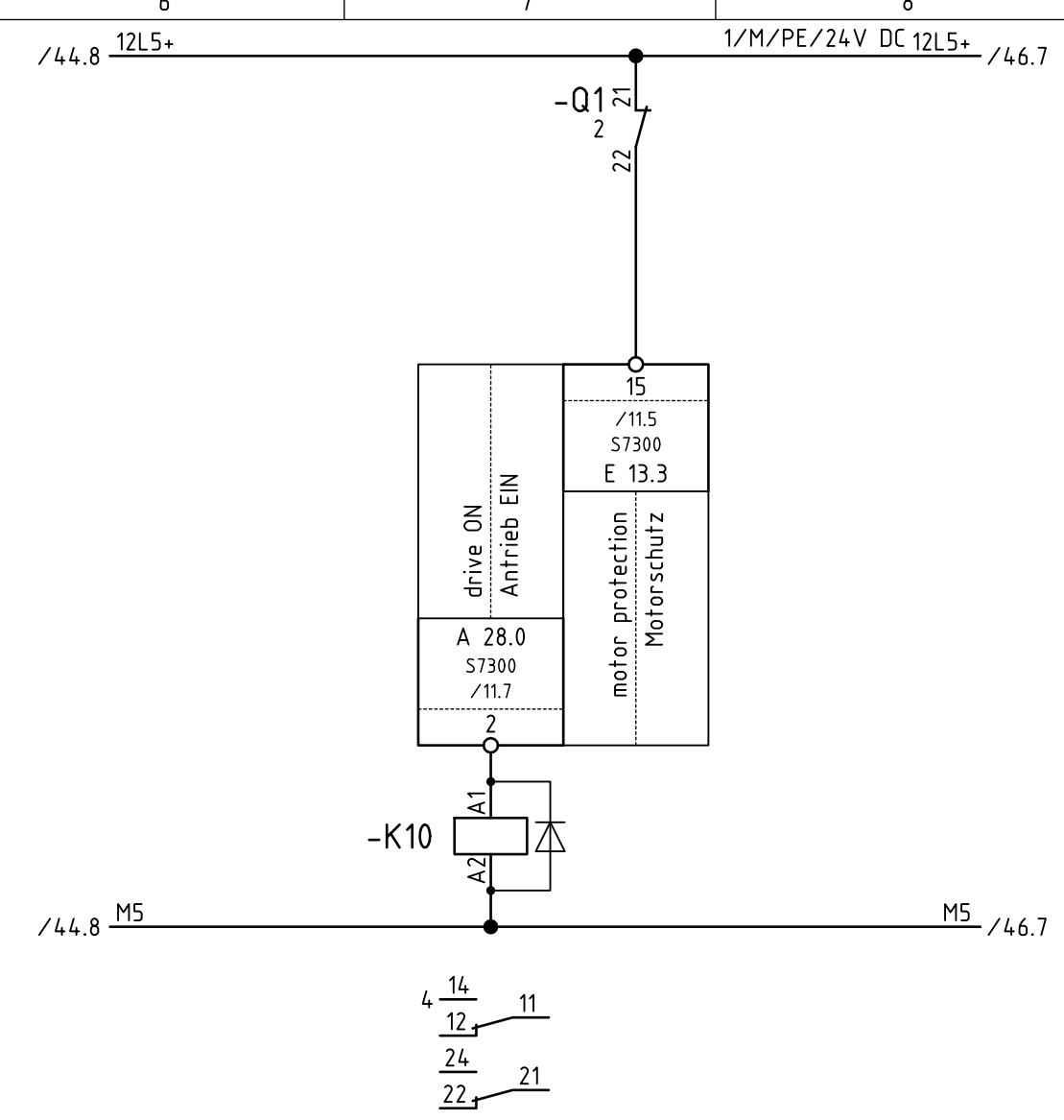
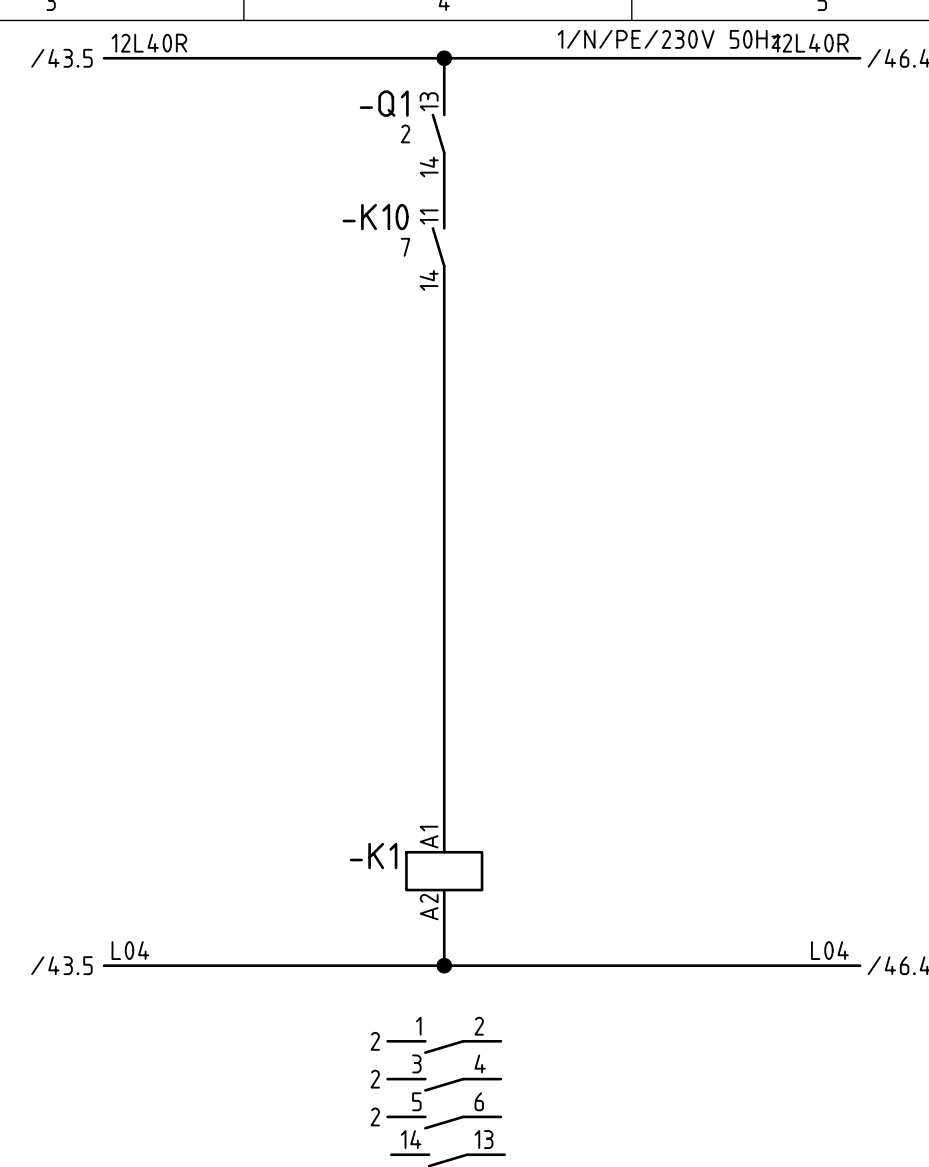
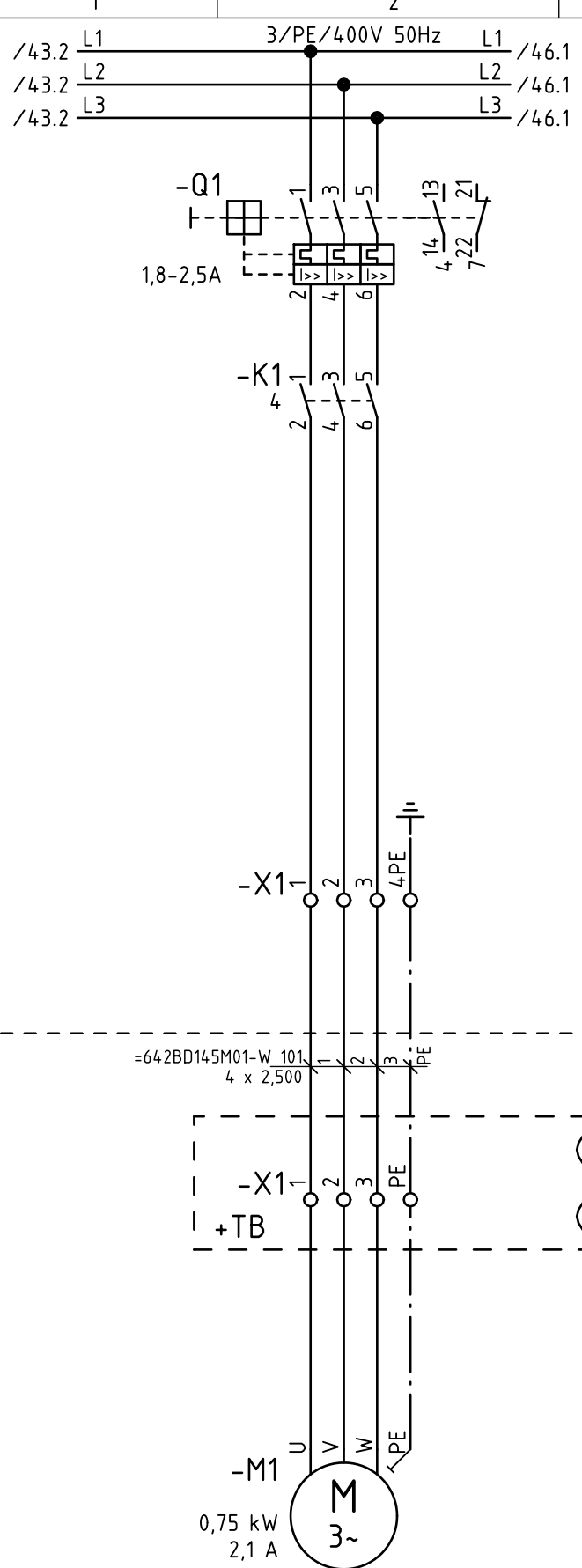
screen drum  
Siebtrommel

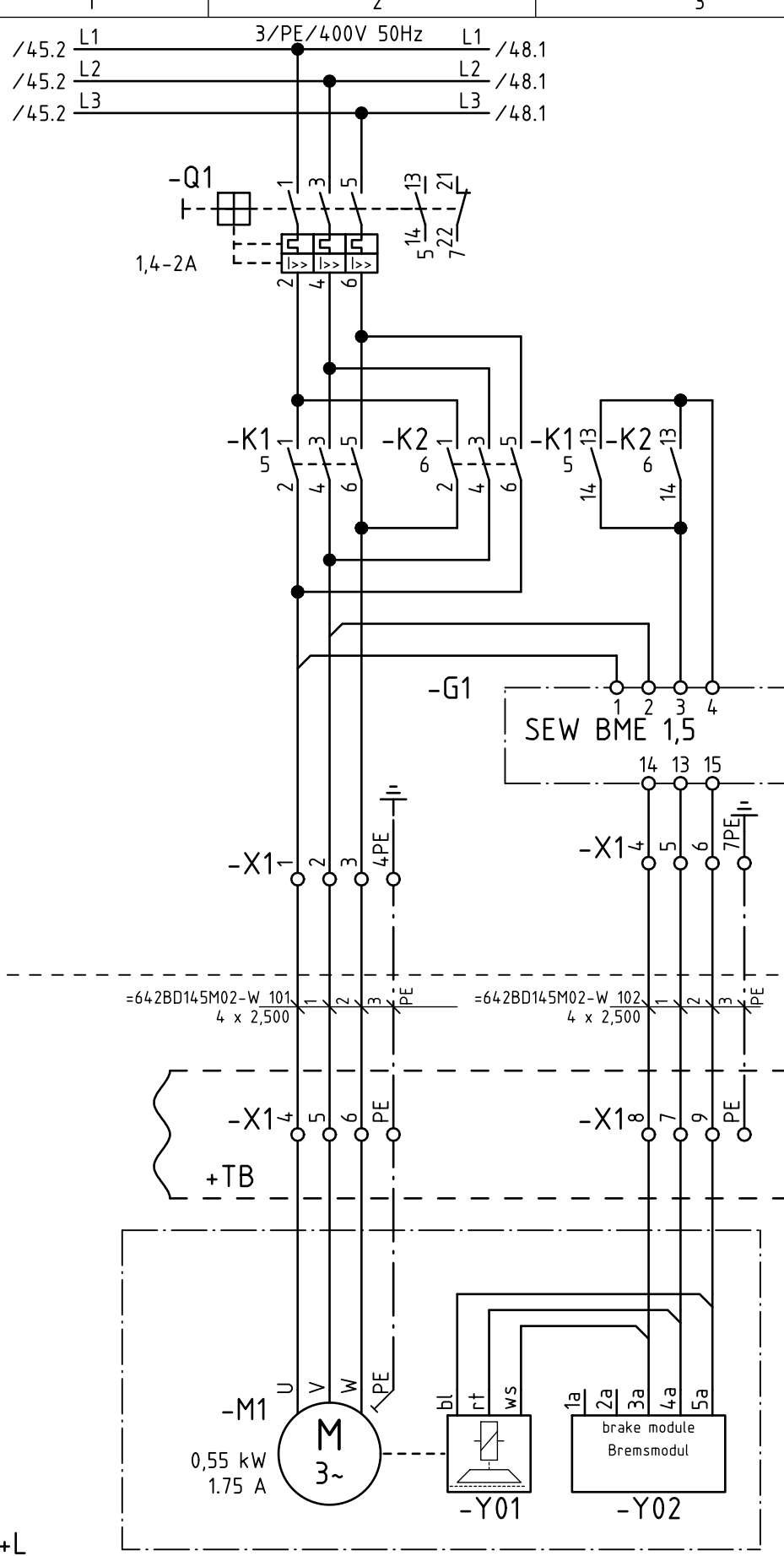


flat belt conveyor  
Flachgurttförderer

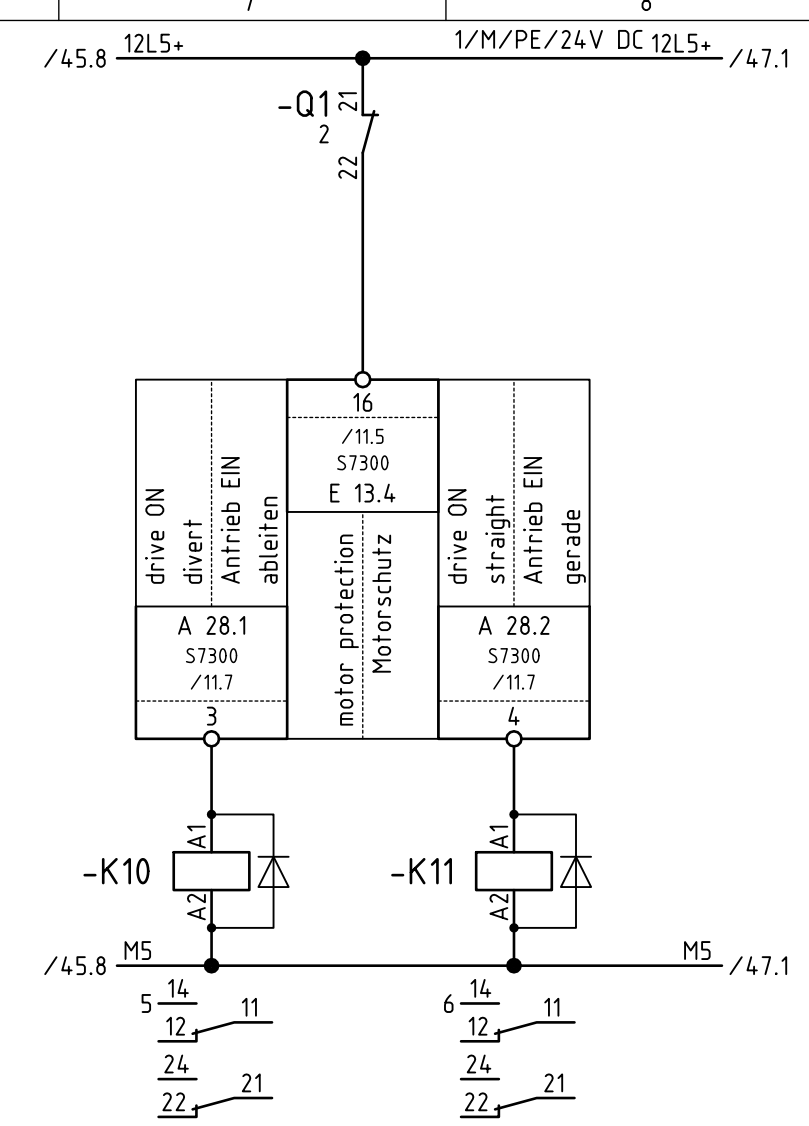
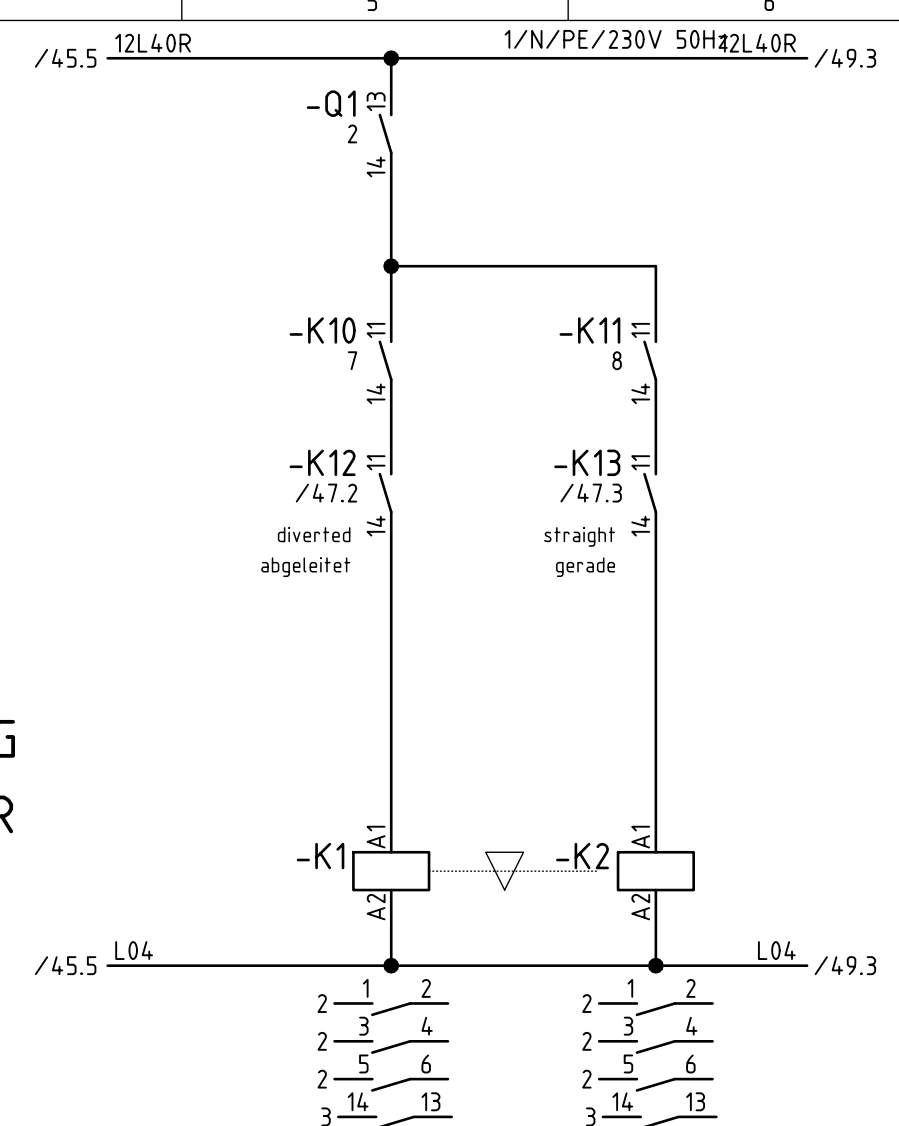


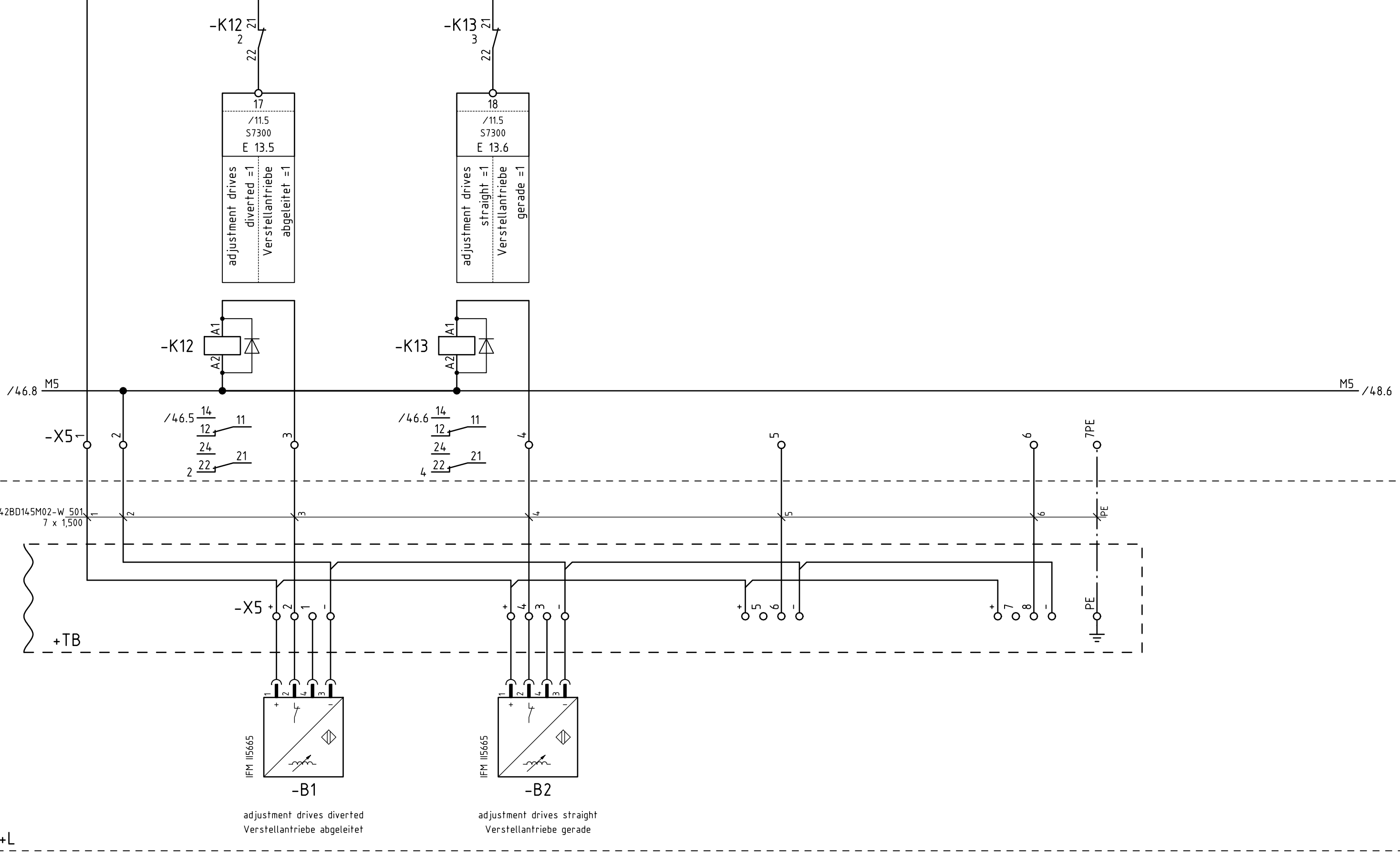
bag preselection counter  
 Sackvorwahlzähler



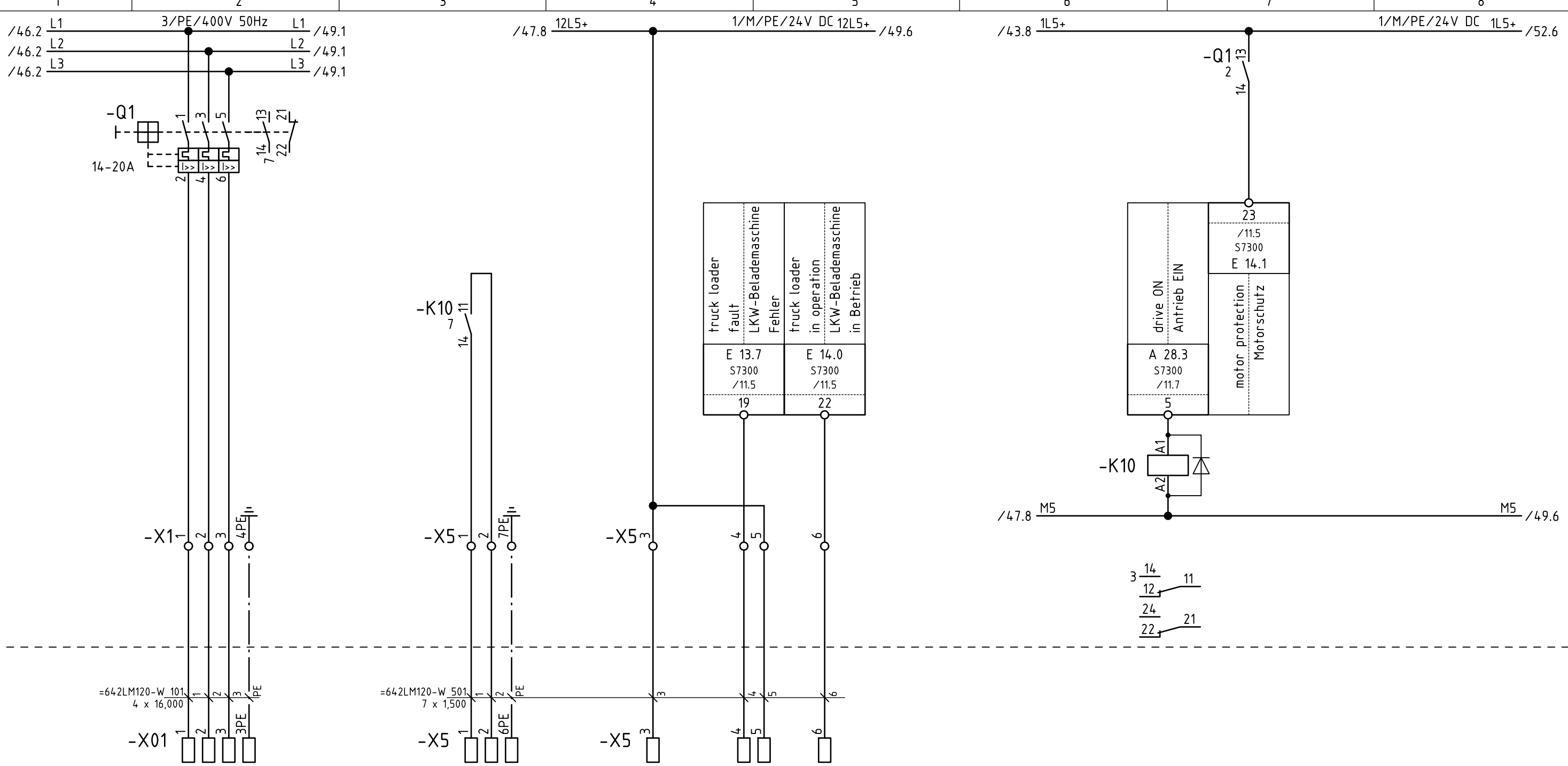


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deflection station slewable drive  
Ableitstation Schwenkantrieb



truck loader  
LKW-Belademaschine  
HB 17

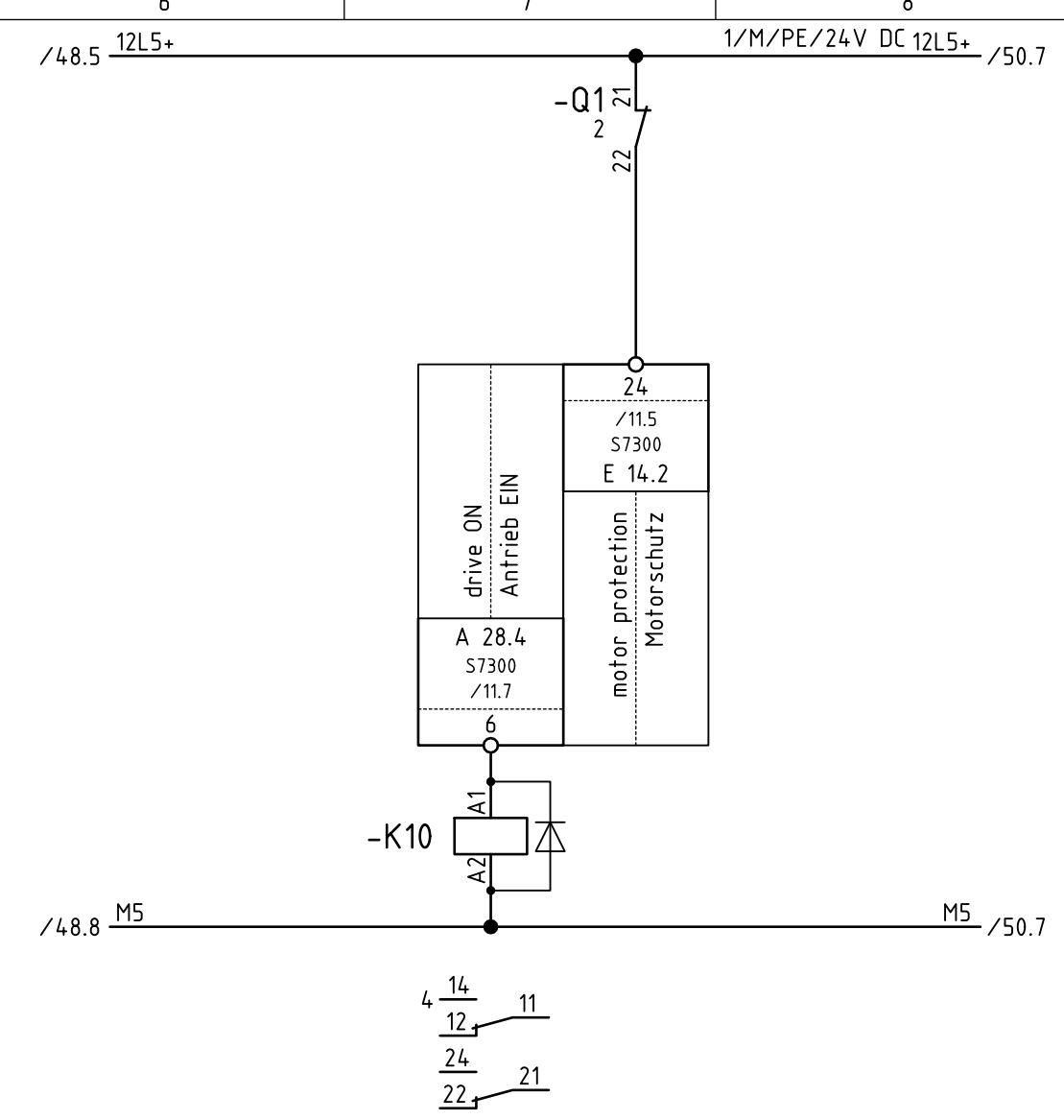
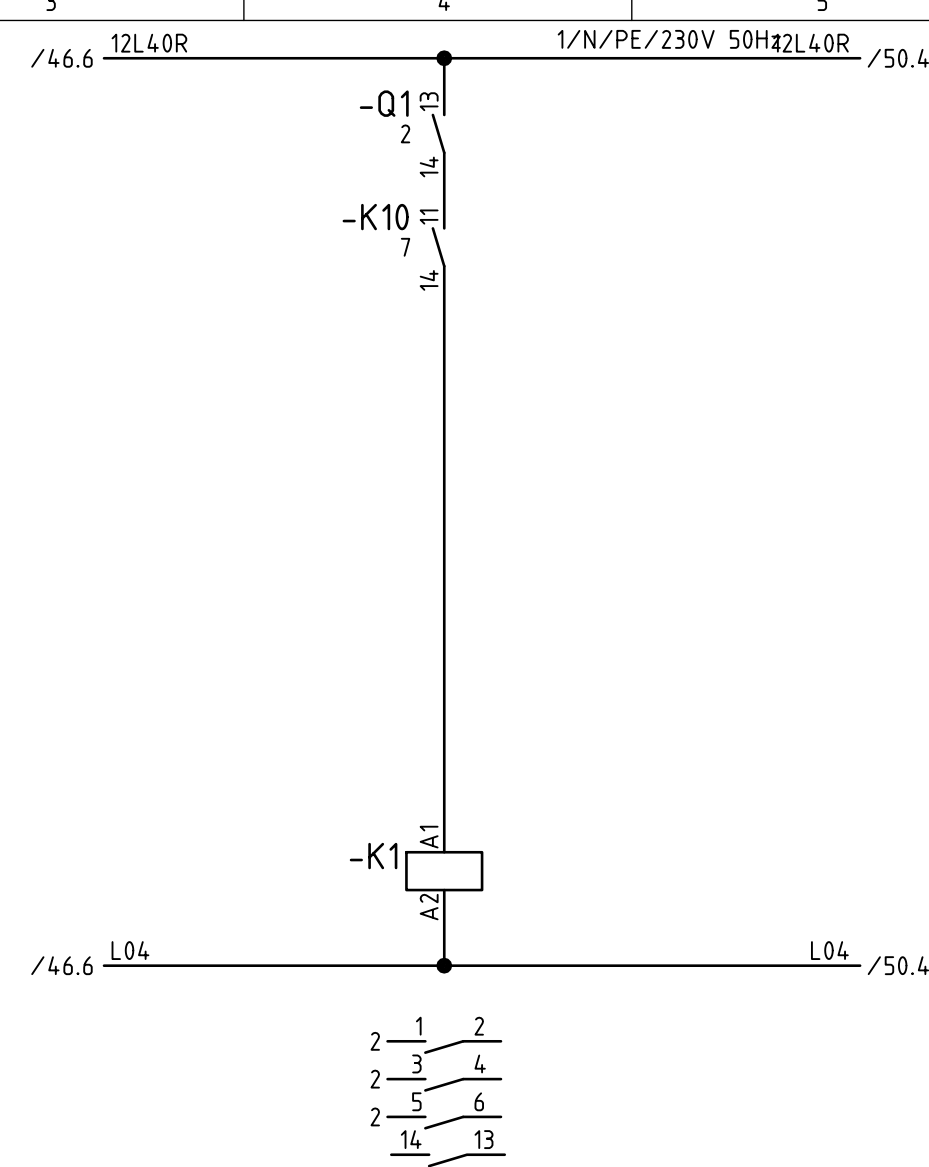
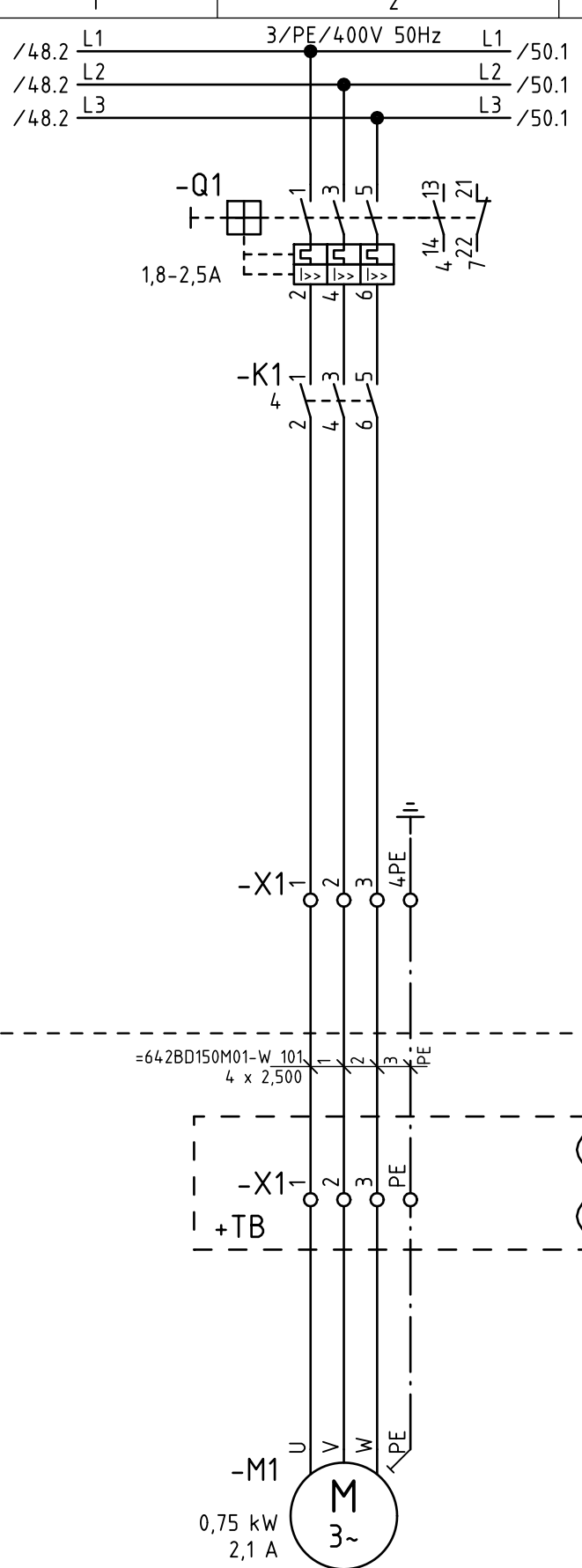
truck loader fault LKW-Belademaschine Fehler	truck loader in operation LKW-Belademaschine in Betrieb
E 13.7 S7300 /11.5	E 14.0 S7300 /11.5
19	22

drive ON Antrieb EIN	motor protection Motorschutz
A 28.3 S7300 /11.7	23 /11.5 S7300 E 14.1
5	

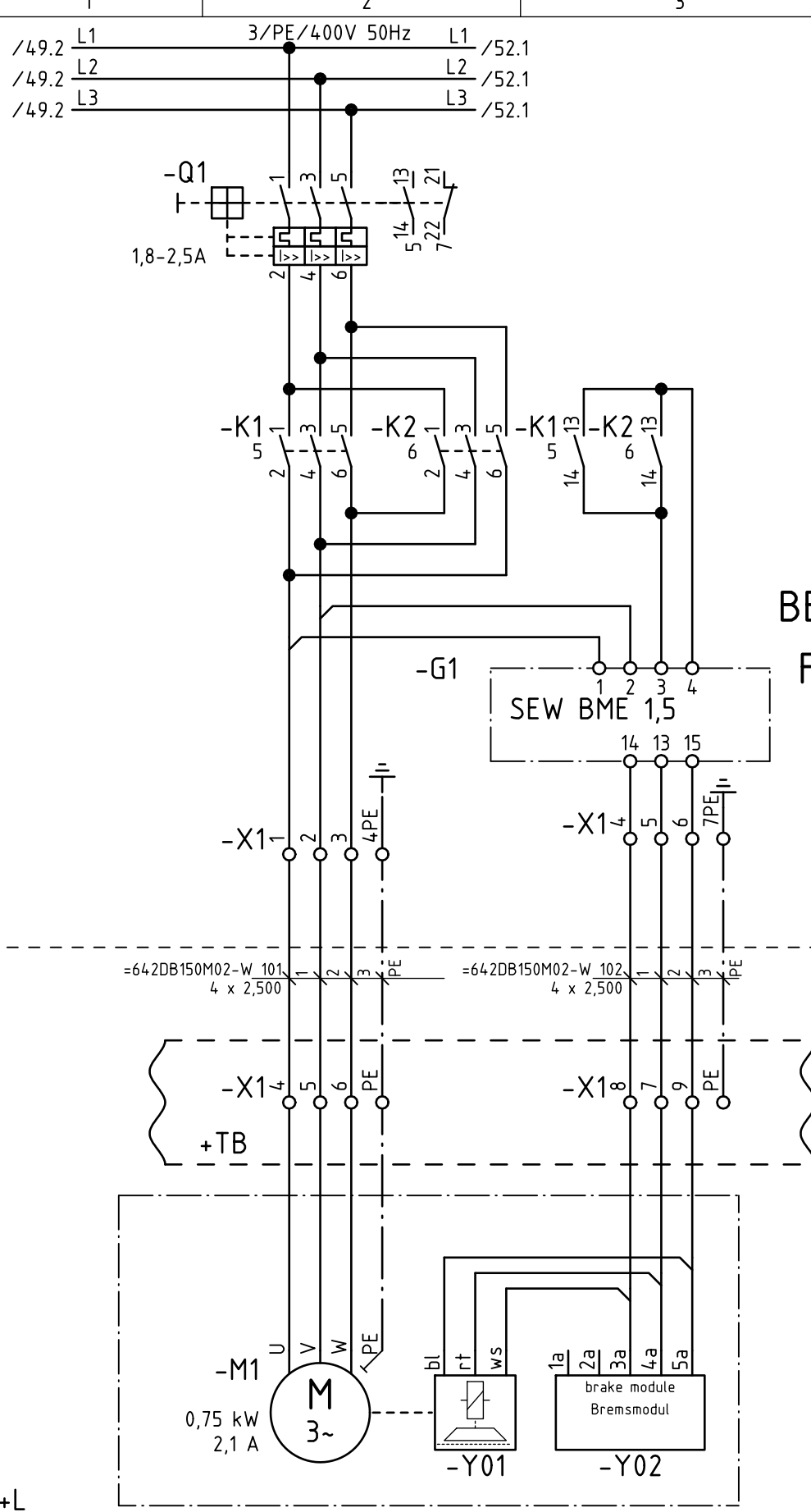
+L

customer

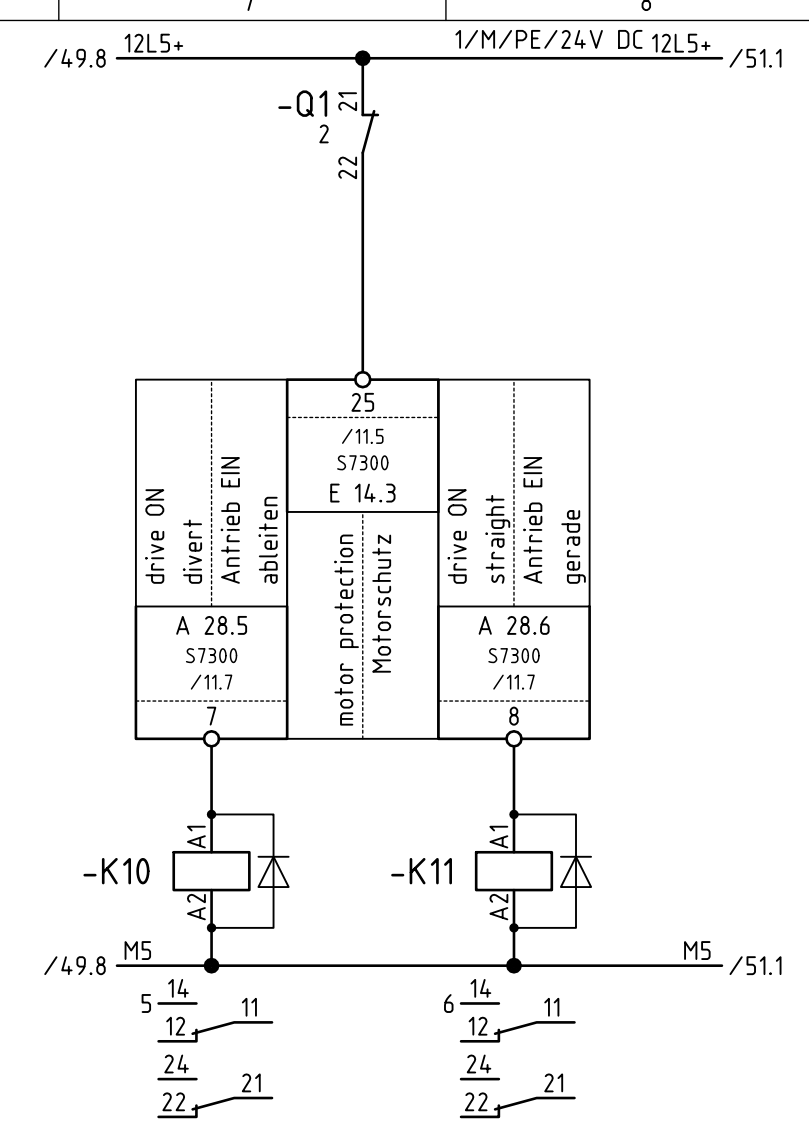
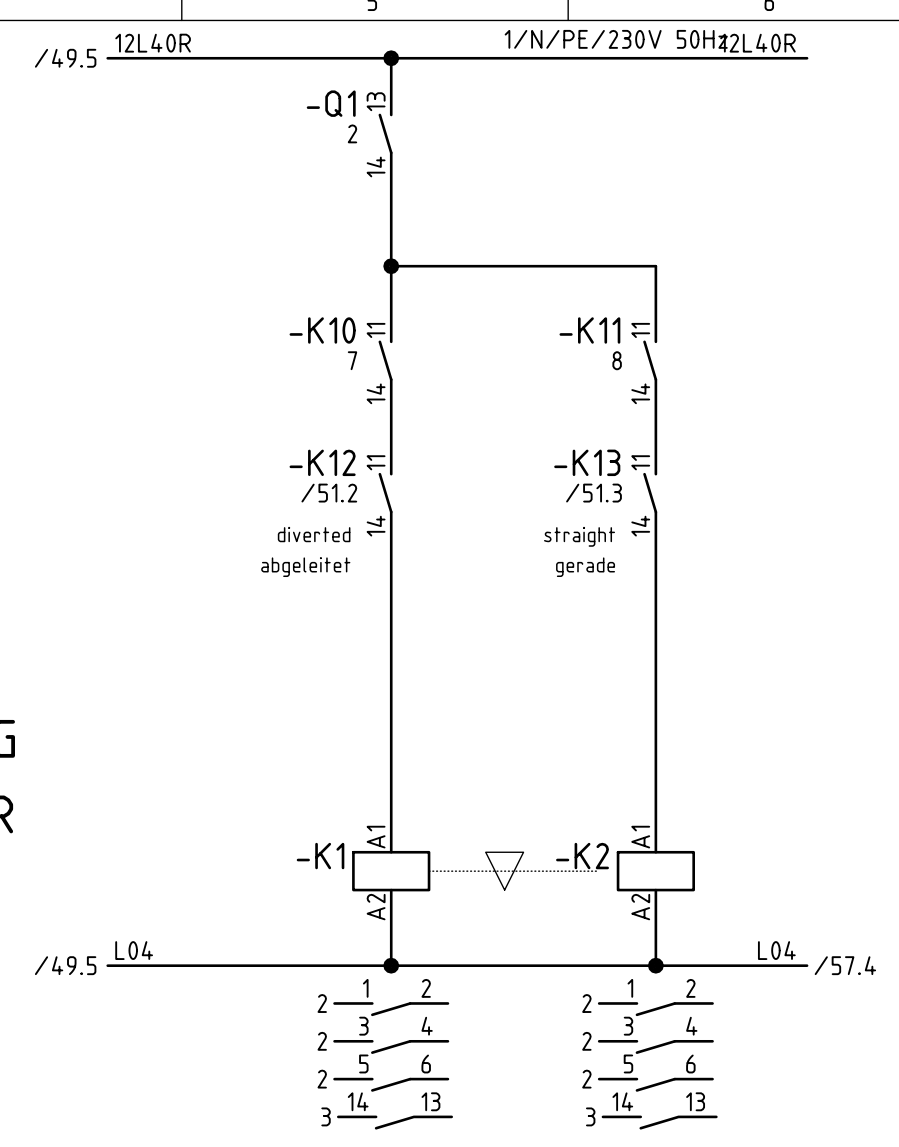
truck loader  
LKW-Belademaschine

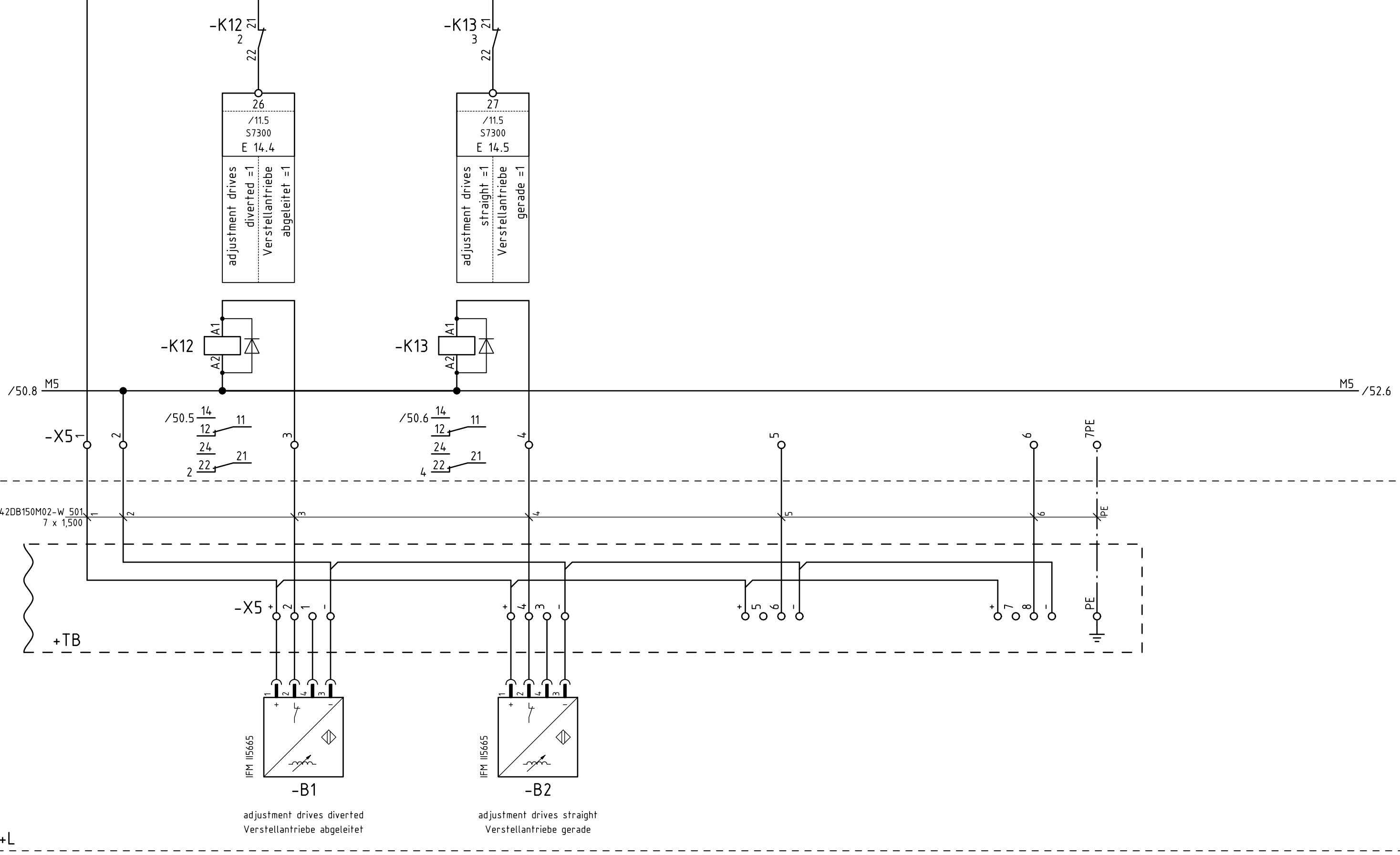


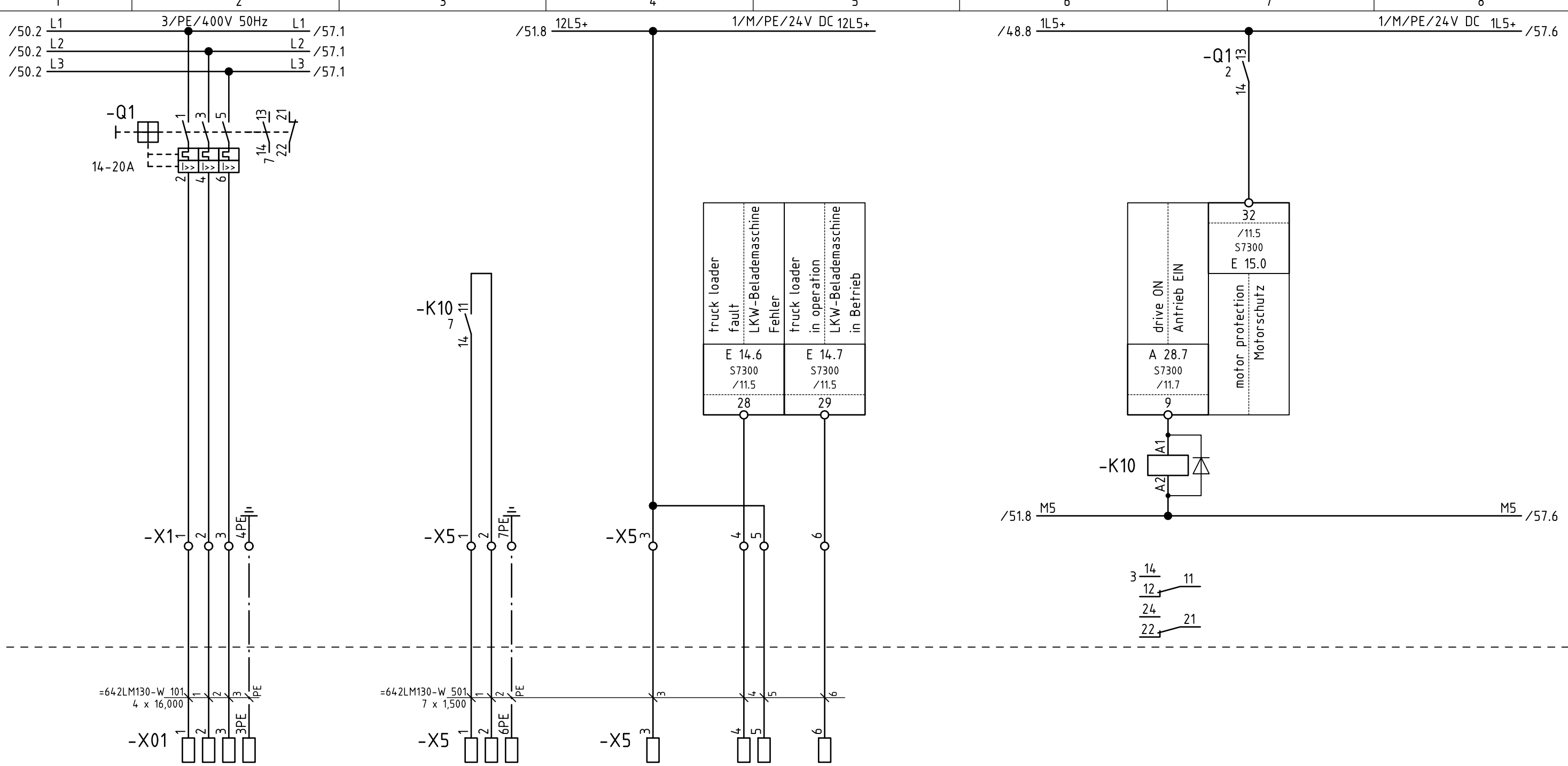




BEISTELLUNG  
FA: BEUMER







truck loader  
LKW-Belademaschine  
HB 17

truck loader fault LKW-Belademaschine Fehler	truck loader in operation LKW-Belademaschine in Betrieb
E 14.6 S7300 /11.5	E 14.7 S7300 /11.5
28	29

drive ON Antrieb EIN	motor protection Motorschutz
A 28.7 S7300 /11.7	32 /11.5 S7300 E 15.0
9	

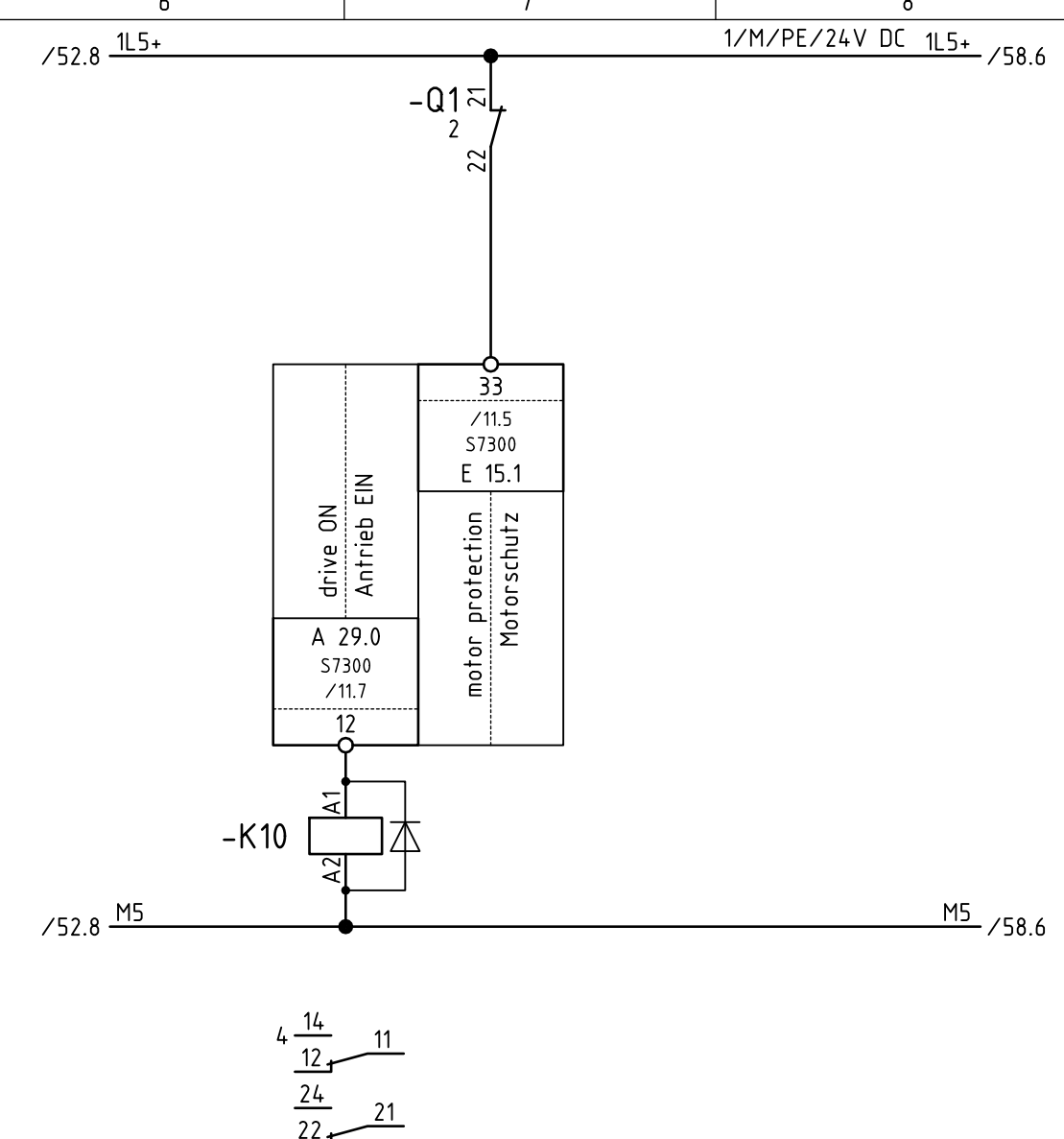
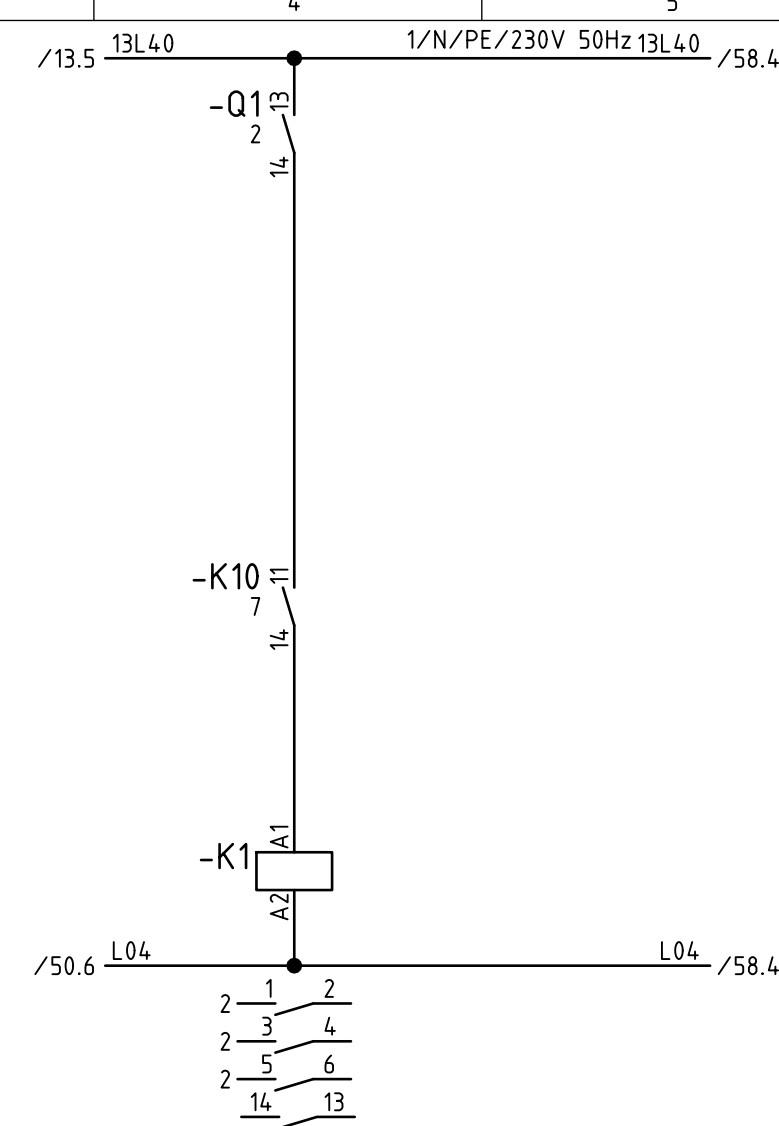
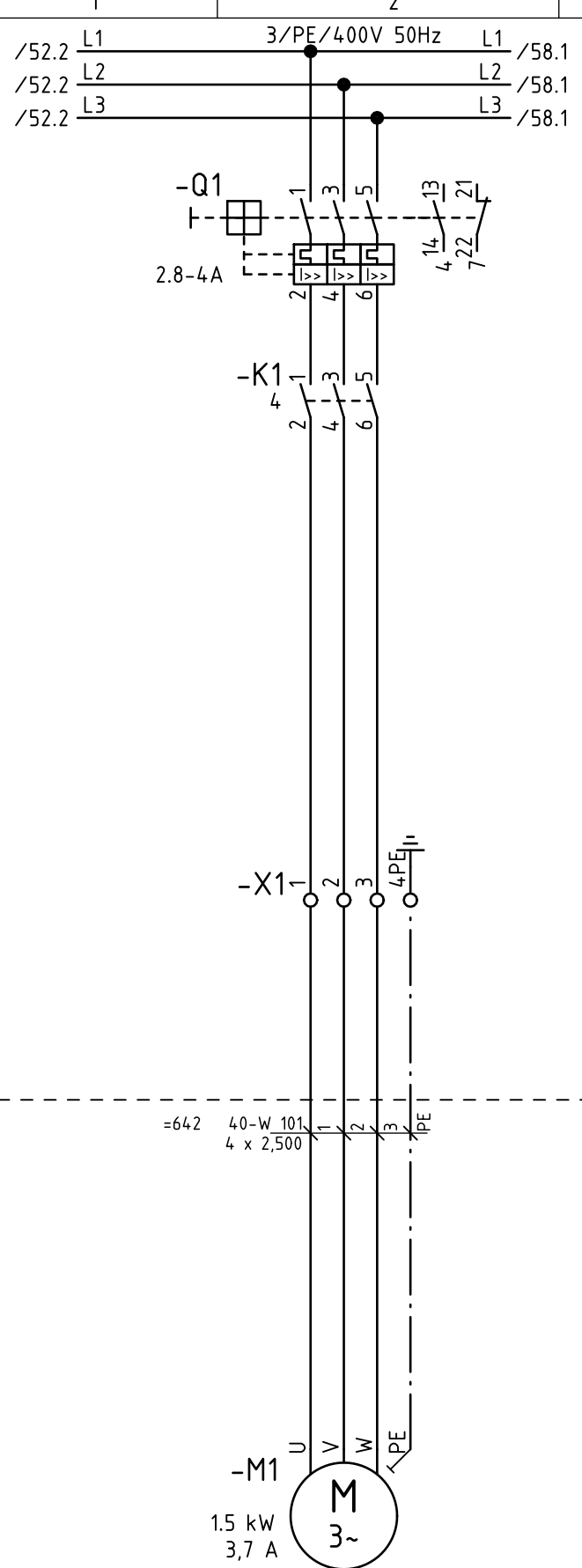
+L





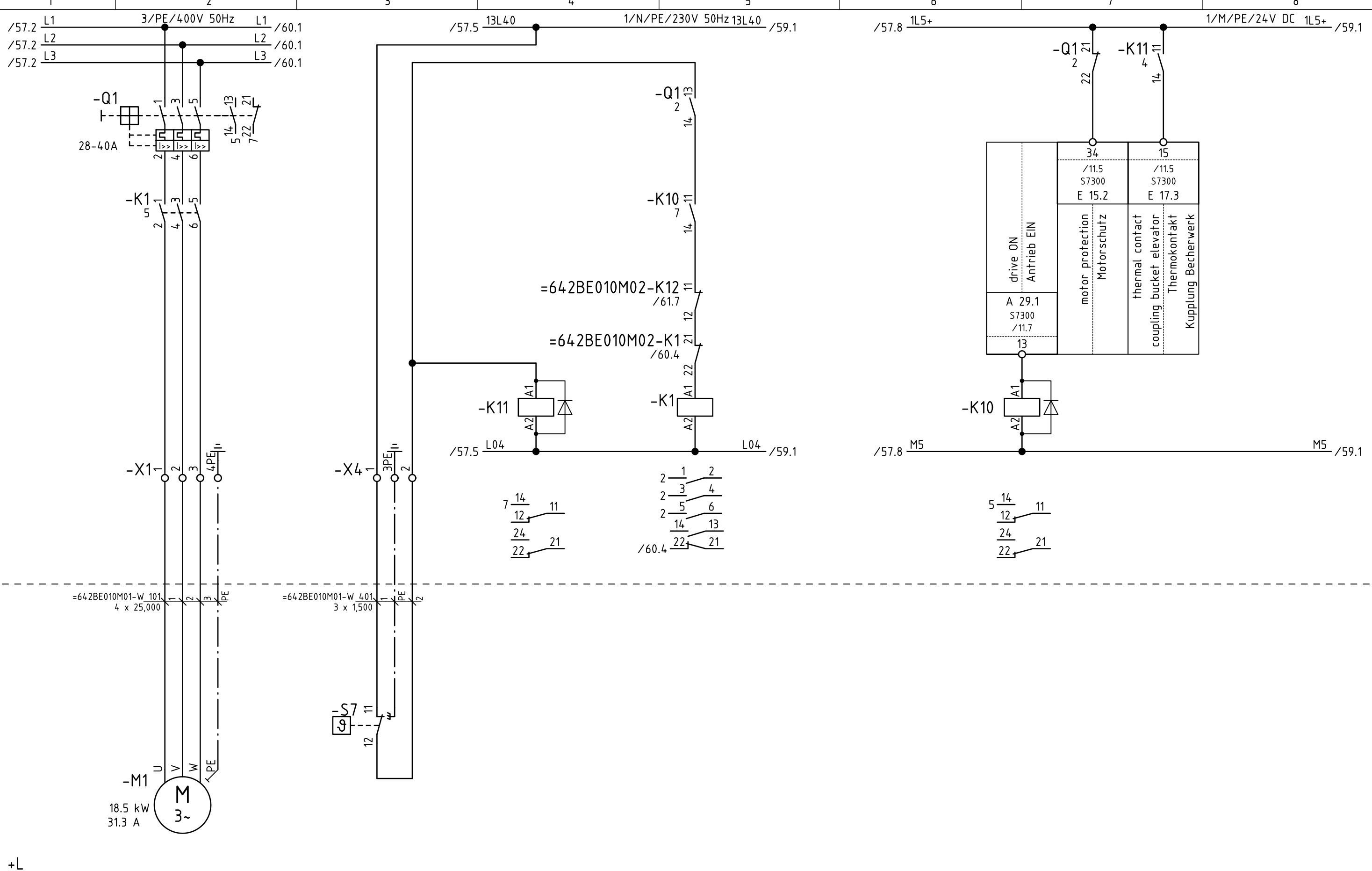
spare flat belt conveyor  
Reserve Flachgurtförderer

spare  
Reserve



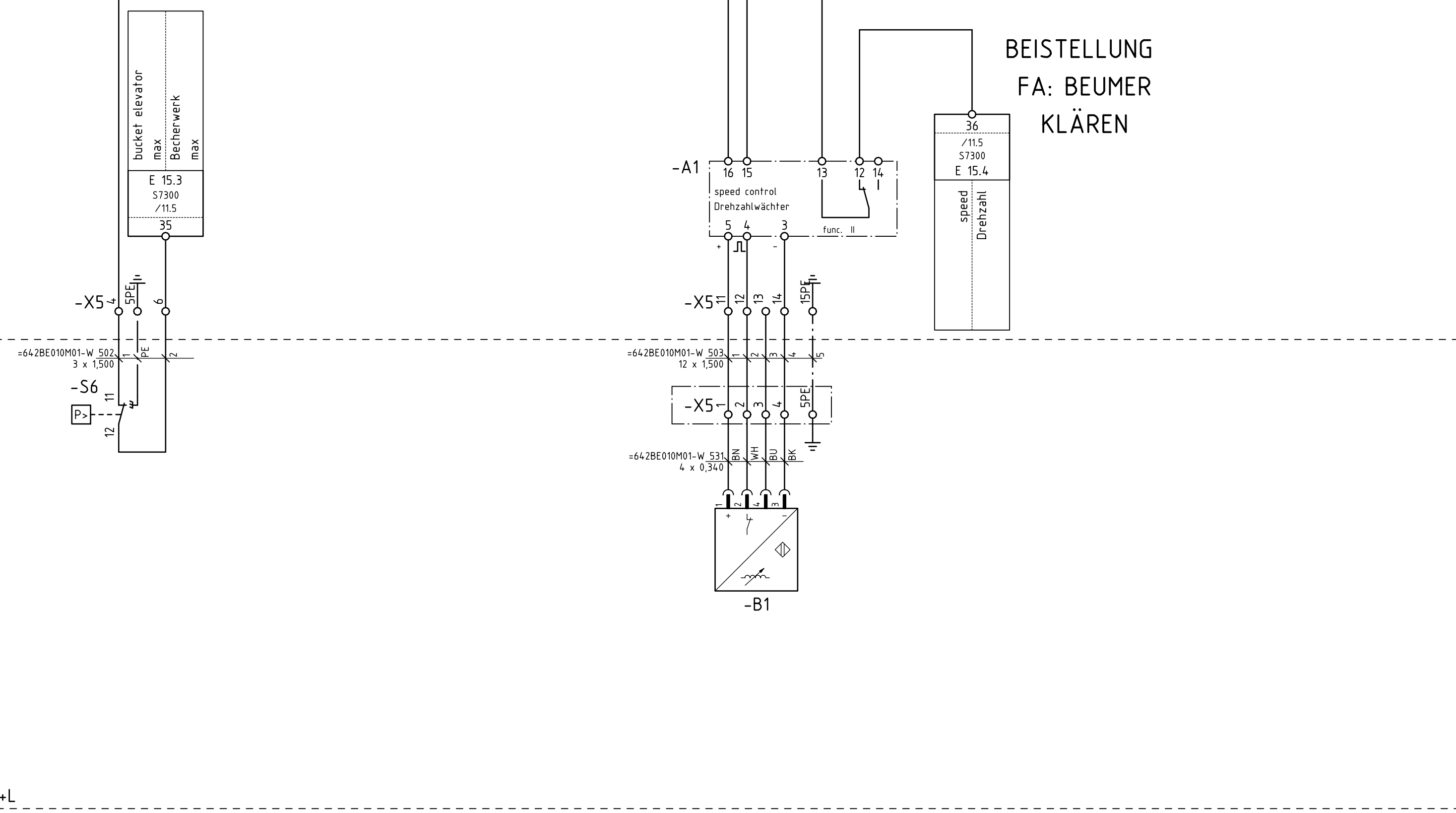
spillage return screw  
Rückmehltschnecke



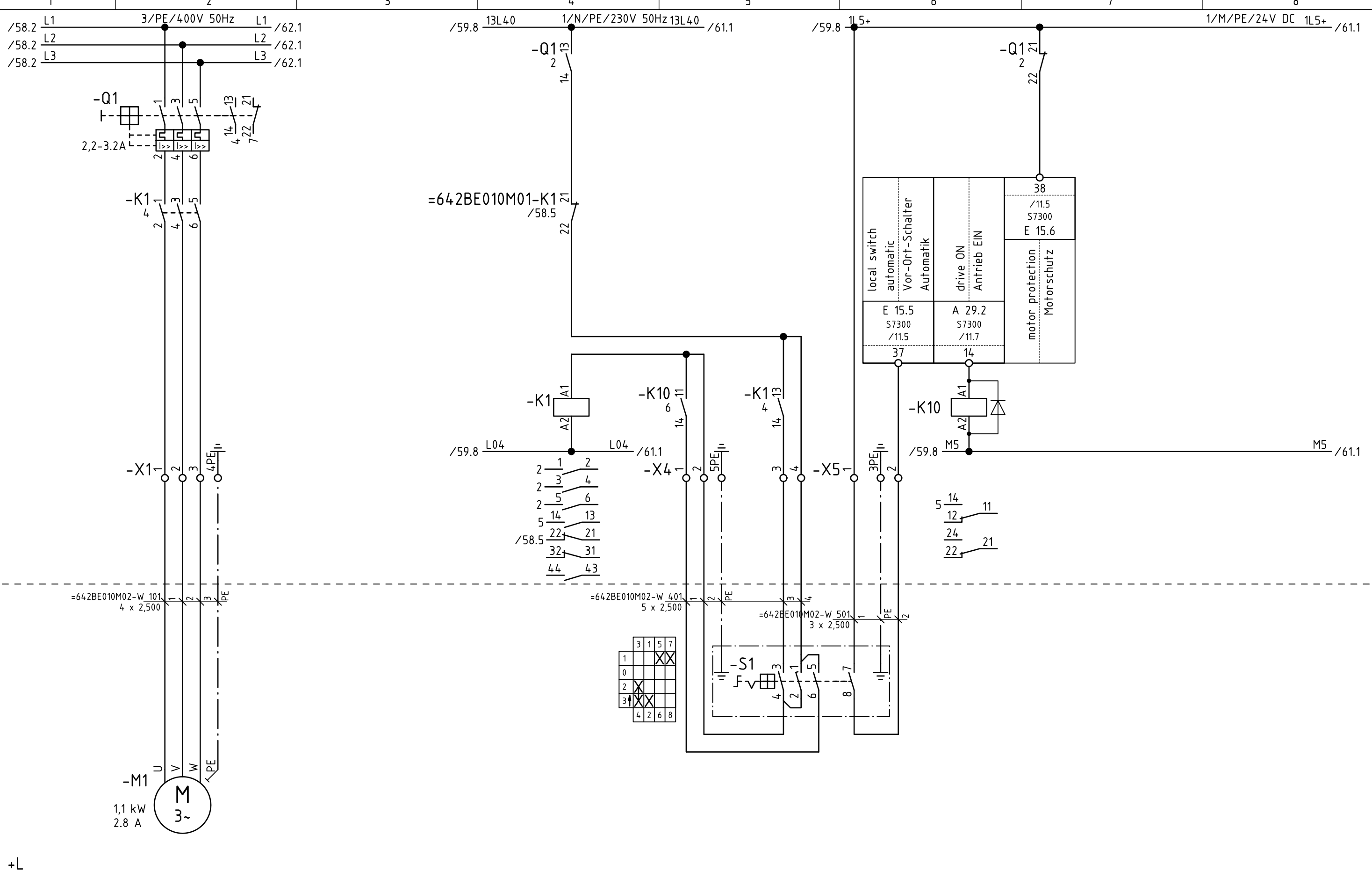


+L

bucket elevator  
Becherwerk



bucket elevator level  
Becherwerk Füllstand

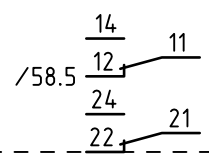
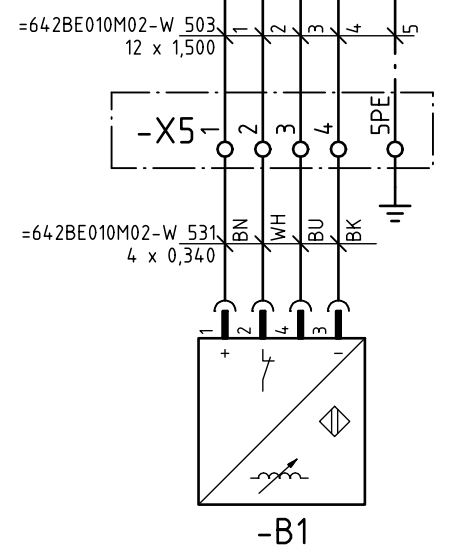
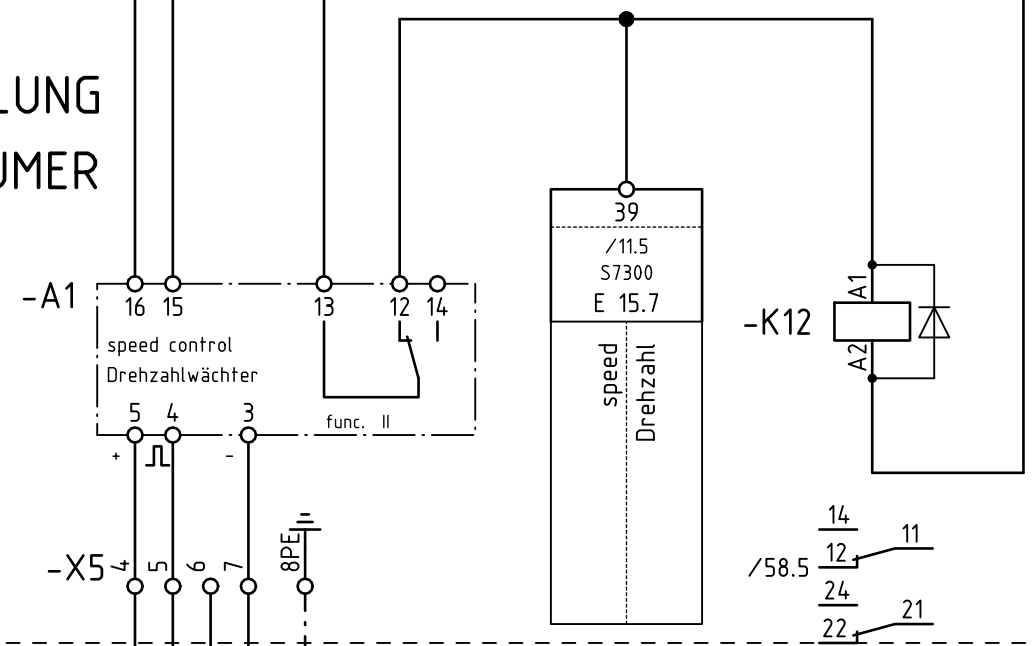


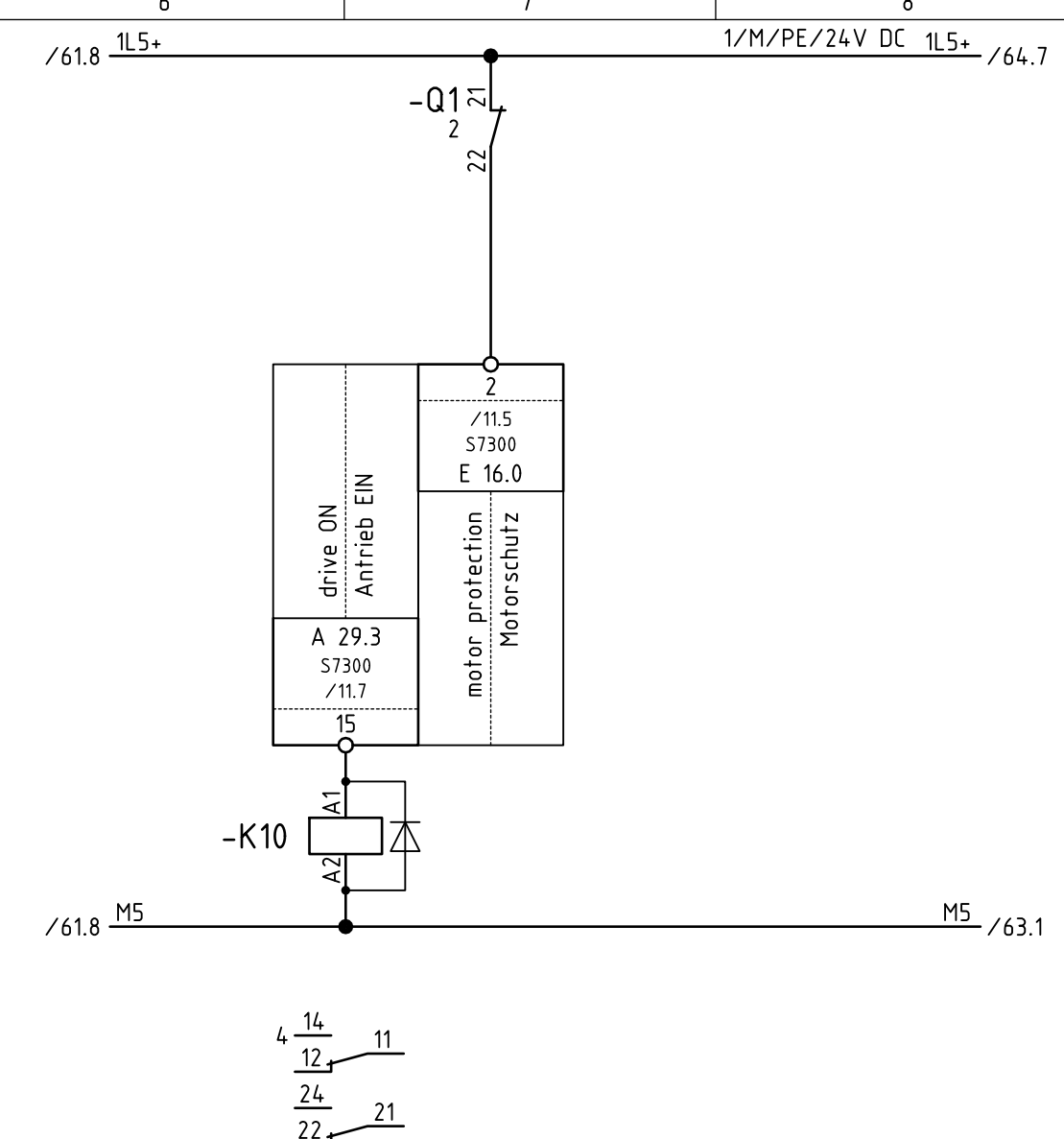
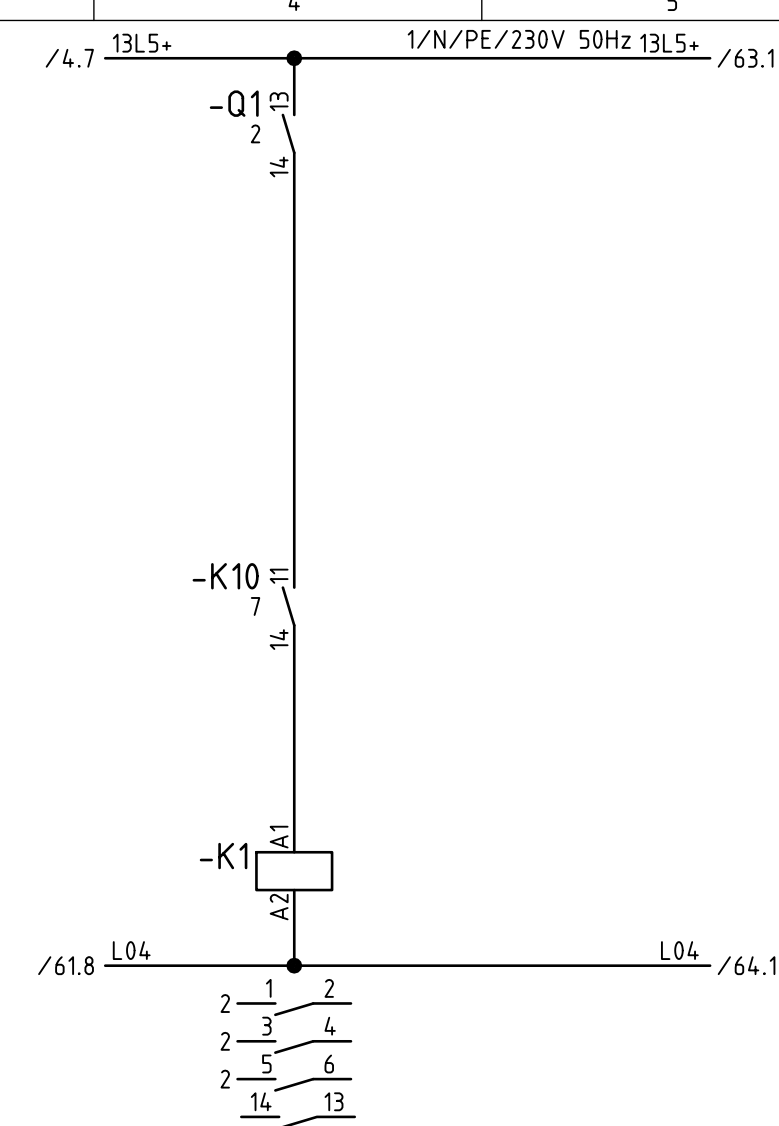
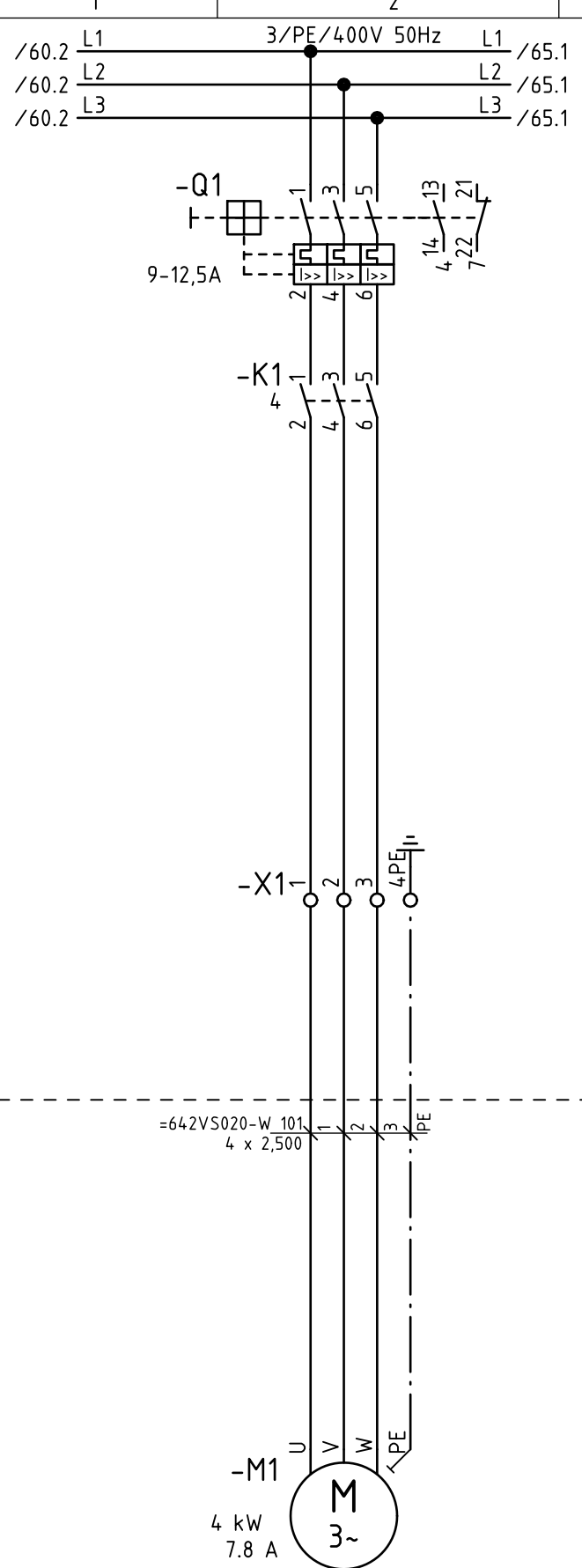
local switch automatic Vor-Ort-Schalter Automatik	drive ON Antrieb EIN	38 /115 S7300 E 15.6
E 15.5 S7300 /11.5	A 29.2 S7300 /11.7	motor protection Motorschutz
37	14	

bucket elevator auxiliary drive  
Becherwerk Hilfsantrieb

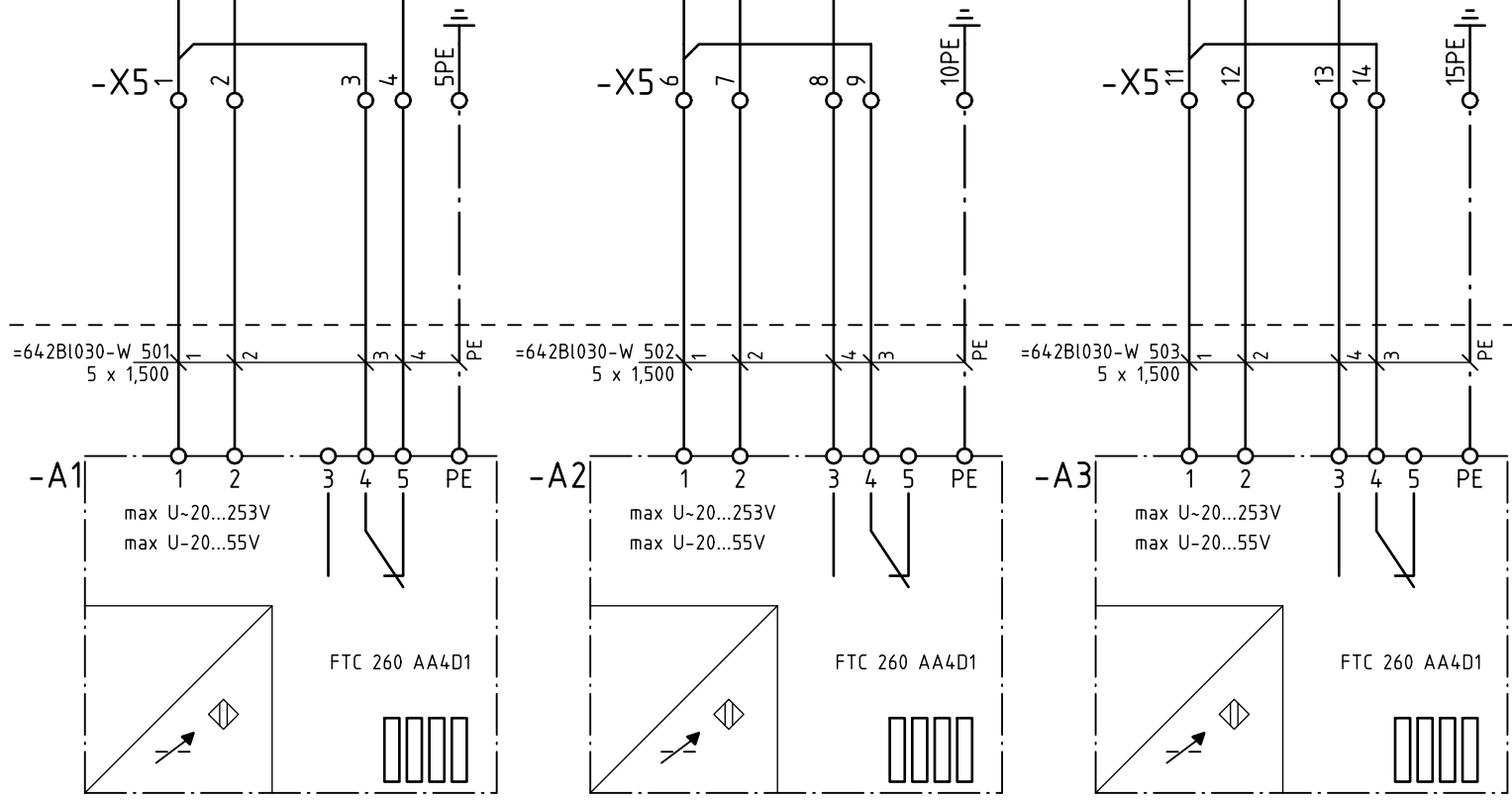
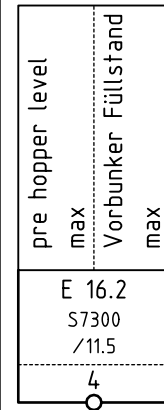
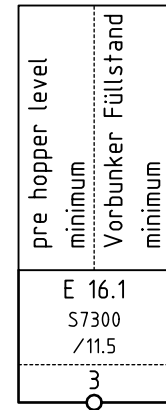
1	2	3	4	5	6	7	8
/60.5	13L40						1/N/PE/230V 50Hz 13L40
/60.4	L04						L04 /62.4
/60.8	1L5+						1/M/PE/24V DC 1L5+ /62.6
/60.8	M5						M5 /62.6

BEISTELLUNG  
FA: BEUMER





vibrating screen  
Schwingsieb



pre hopper level  
 Vorbunker Füllstand

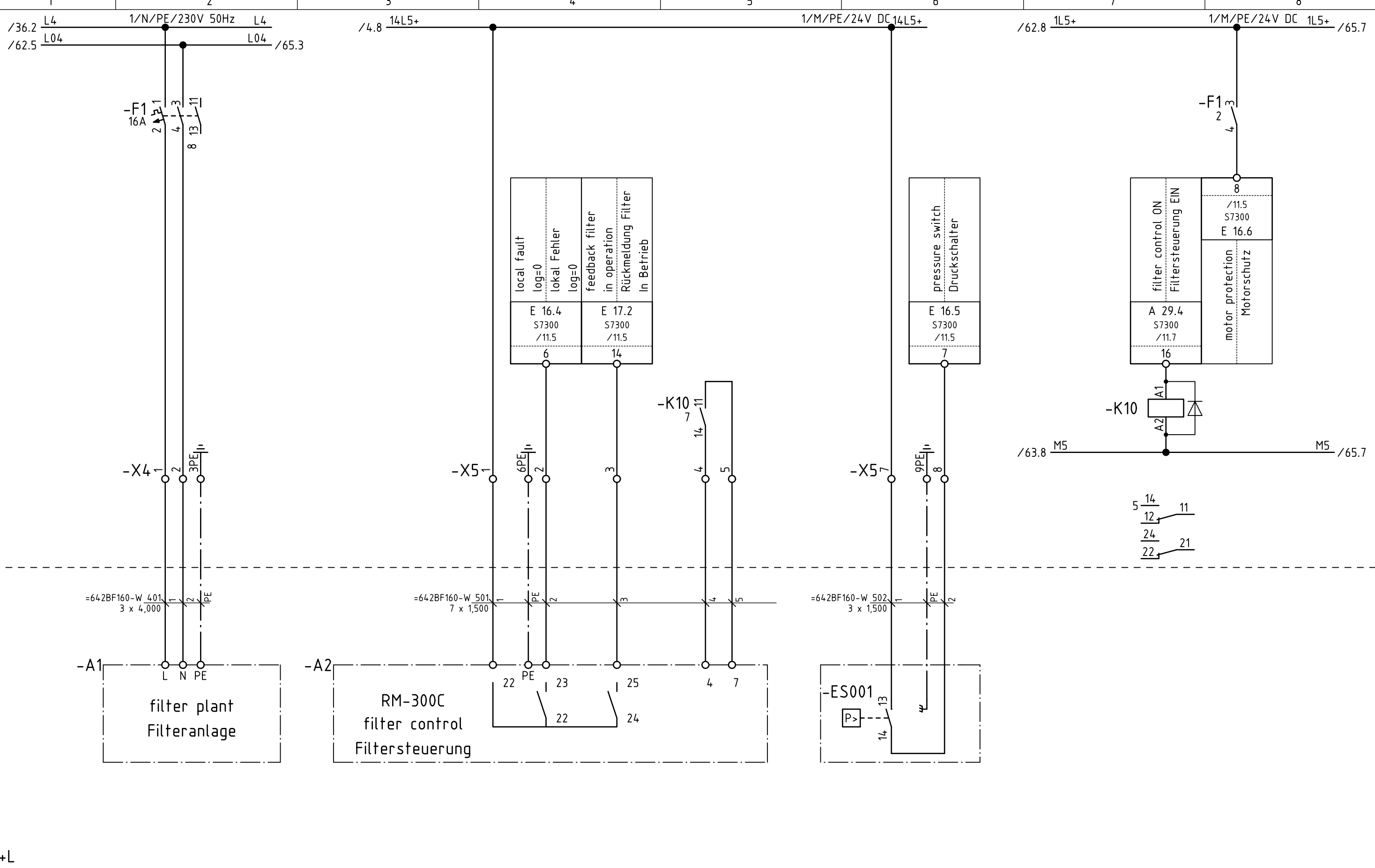
minimum  
 minimum

max  
 max

MAX-MAX  
 MAX-MAX

PACKING LINE 1

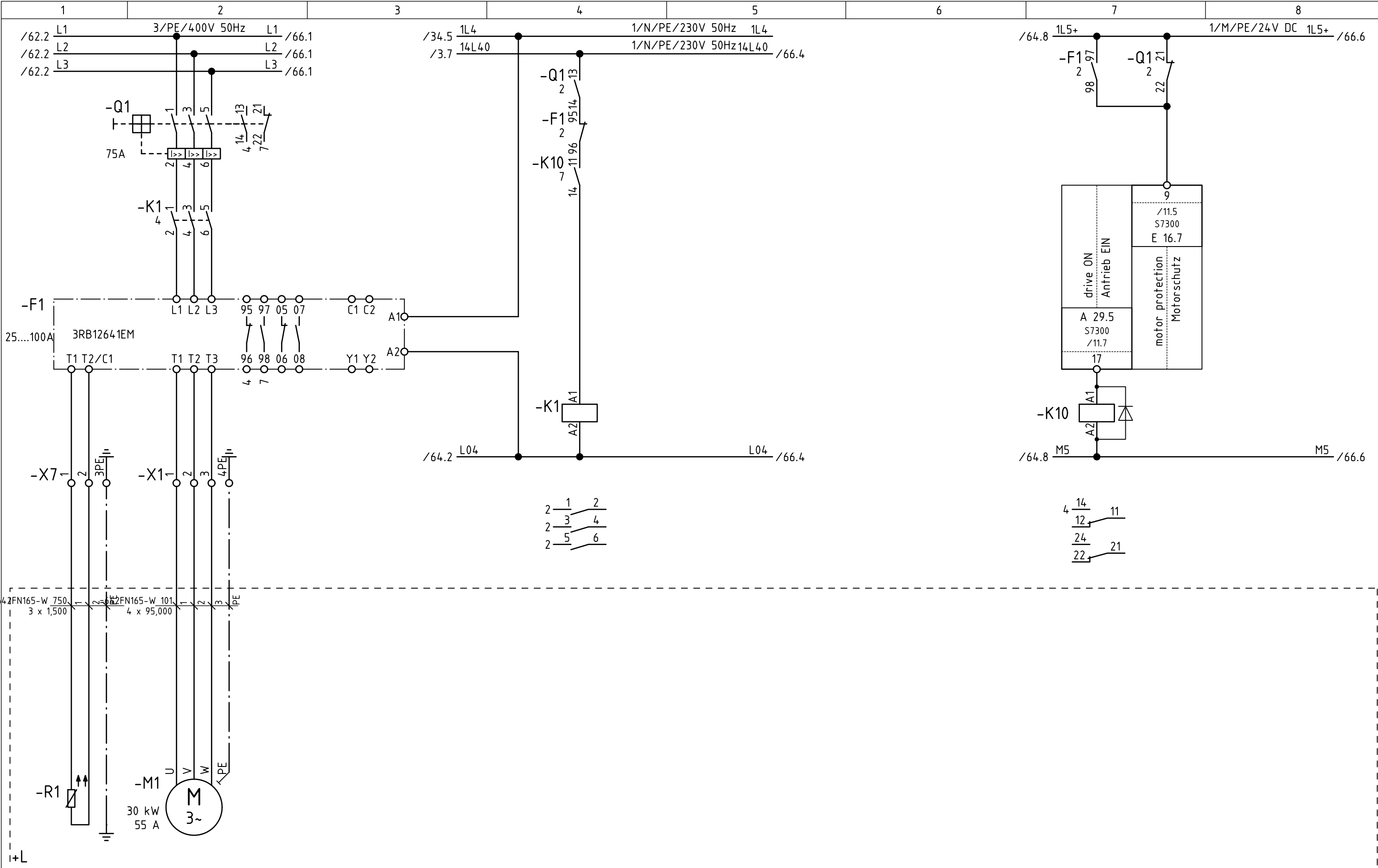
pre hopper level  
 Vorbunker Füllstand



local fault log=0	feedback filter in operation Rückmeldung Filter In Betrieb
lokal Fehler log=0	
E 16.4 S7300 /11.5	E 17.2 S7300 /11.5
6	14

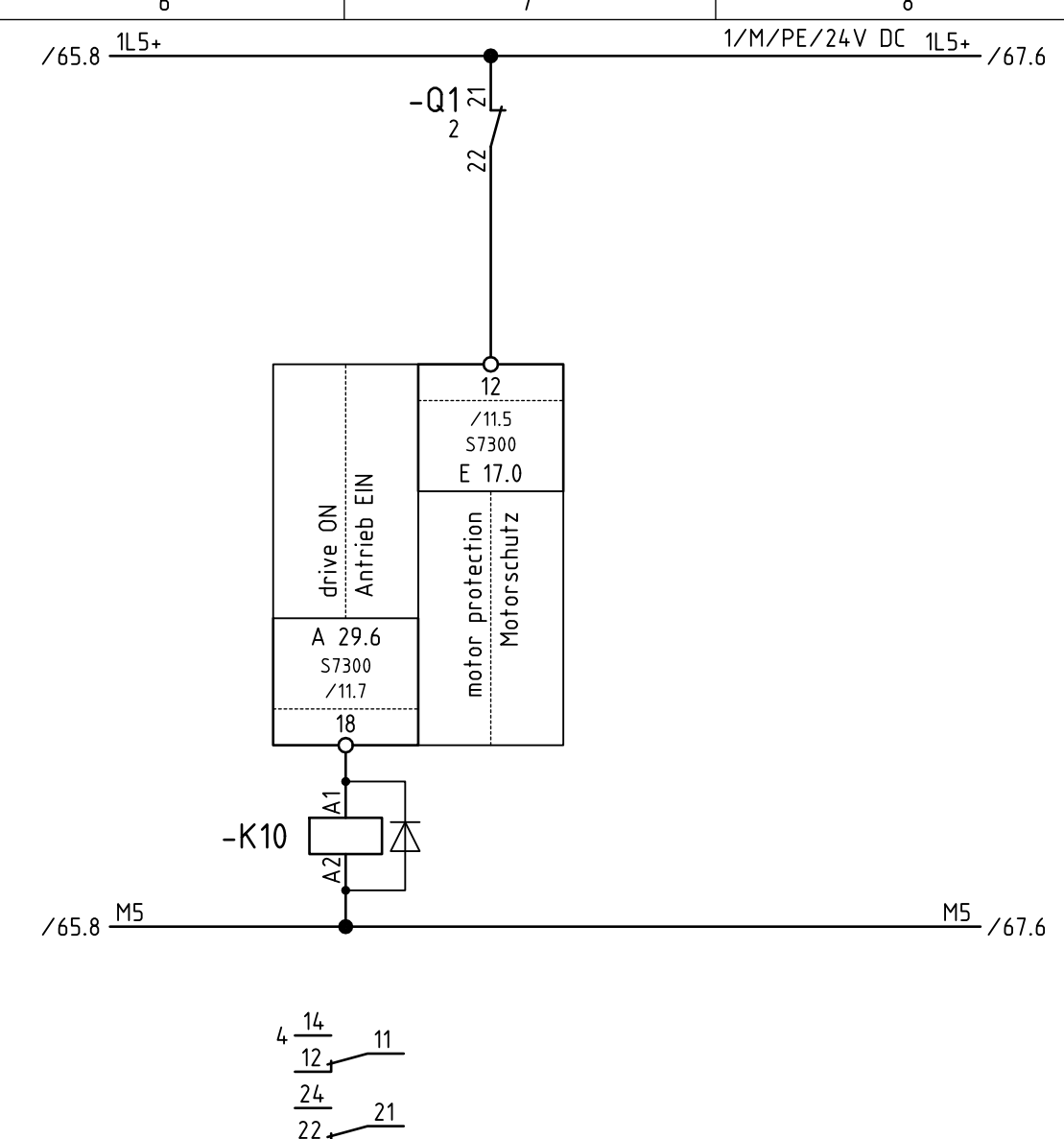
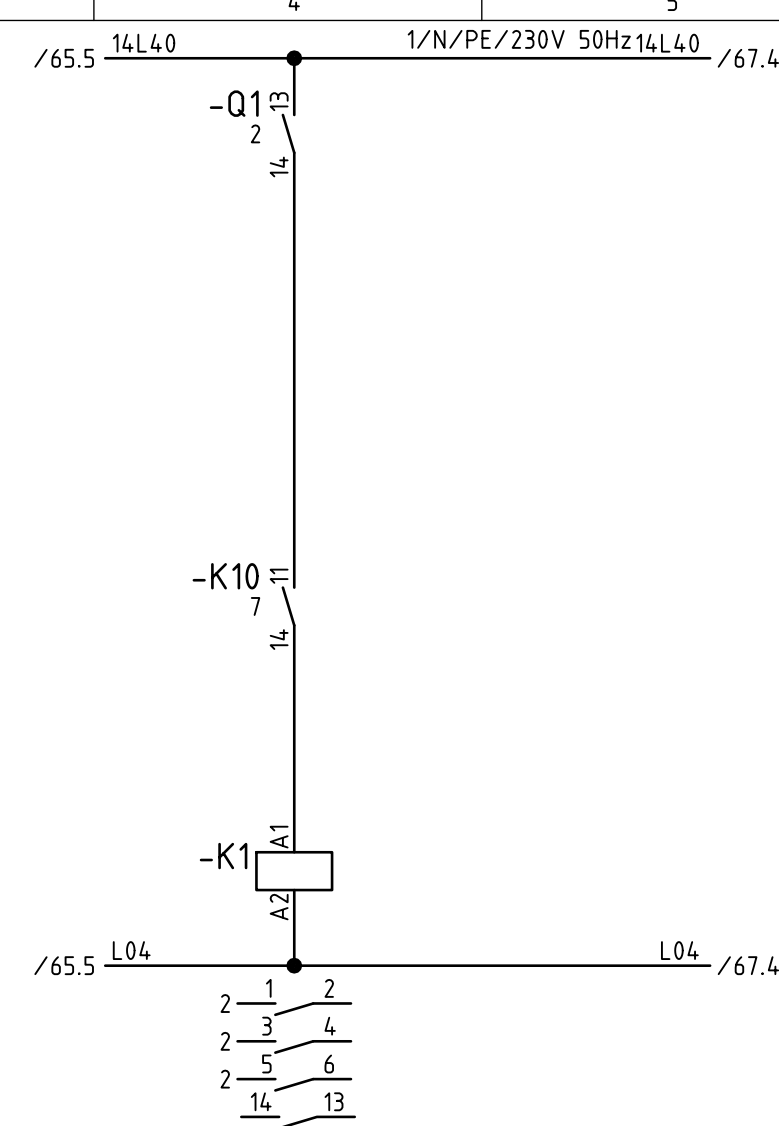
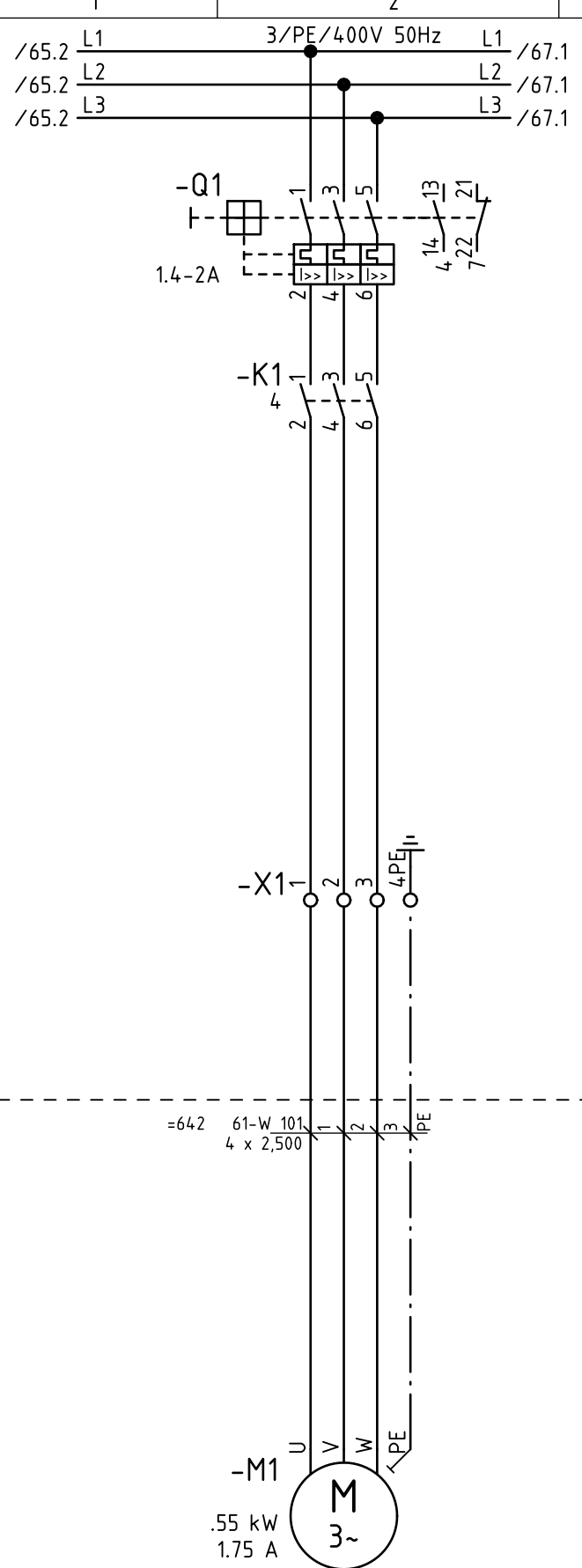
pressure switch Druckschalter
E 16.5 S7300 /11.5
7

filter control ON Filtersteuerung EIN	motor protection Motorschutz
A 29.4 S7300 /11.7	E 16.6 S7300 /11.5
16	8

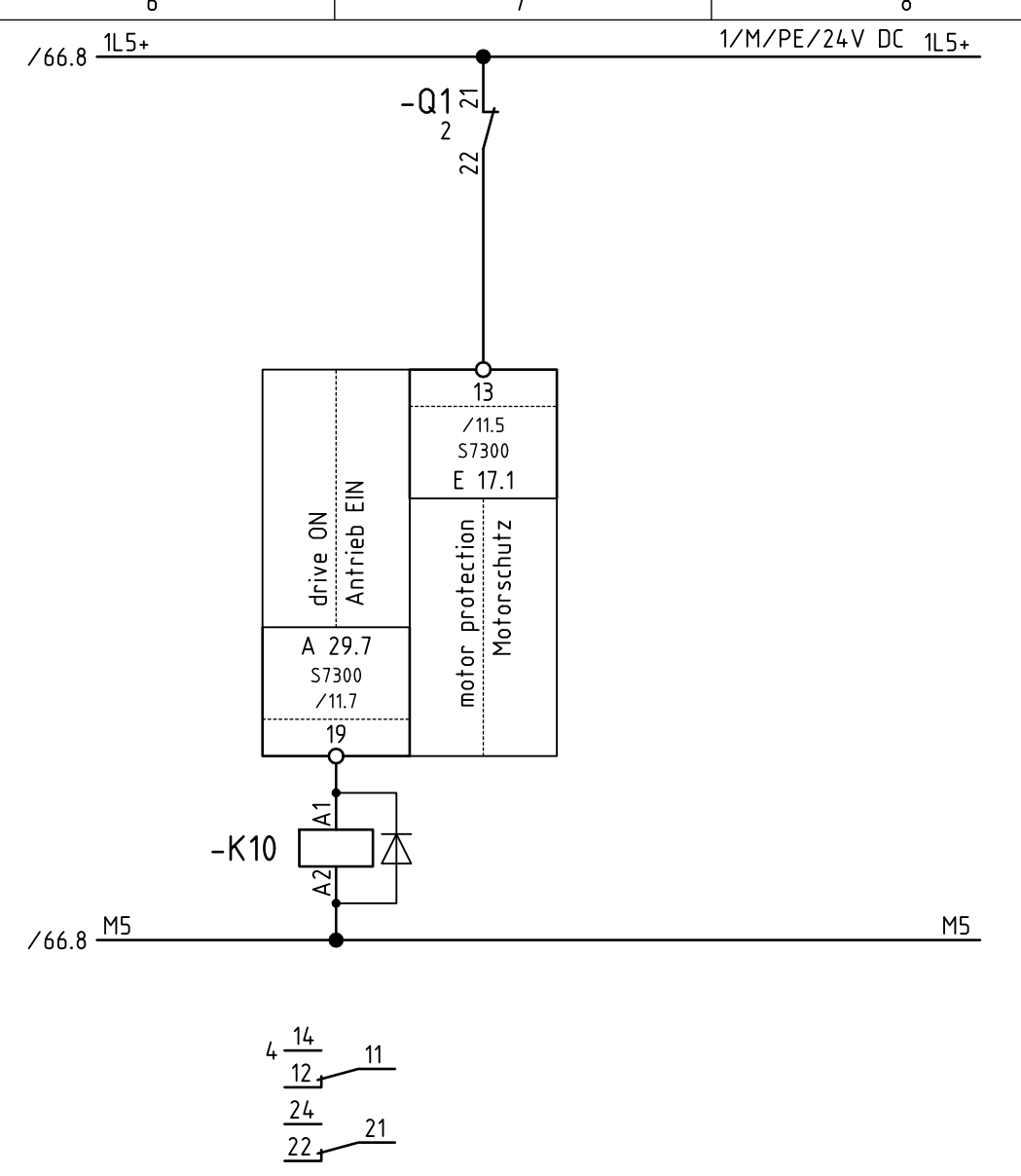
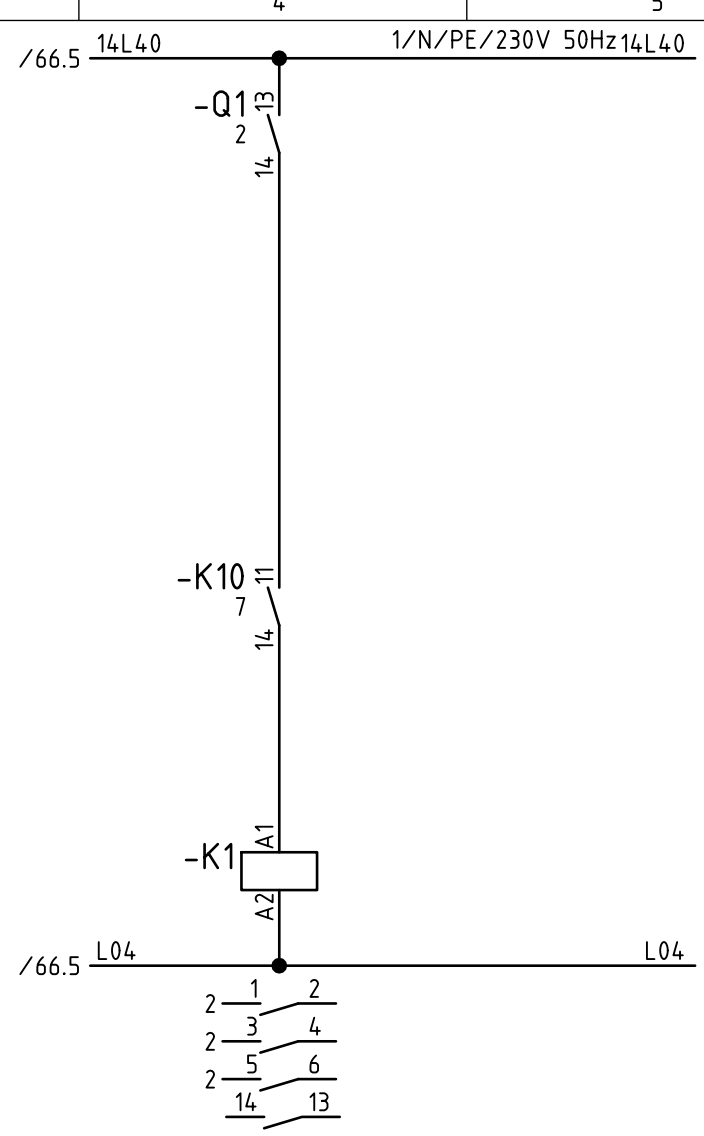
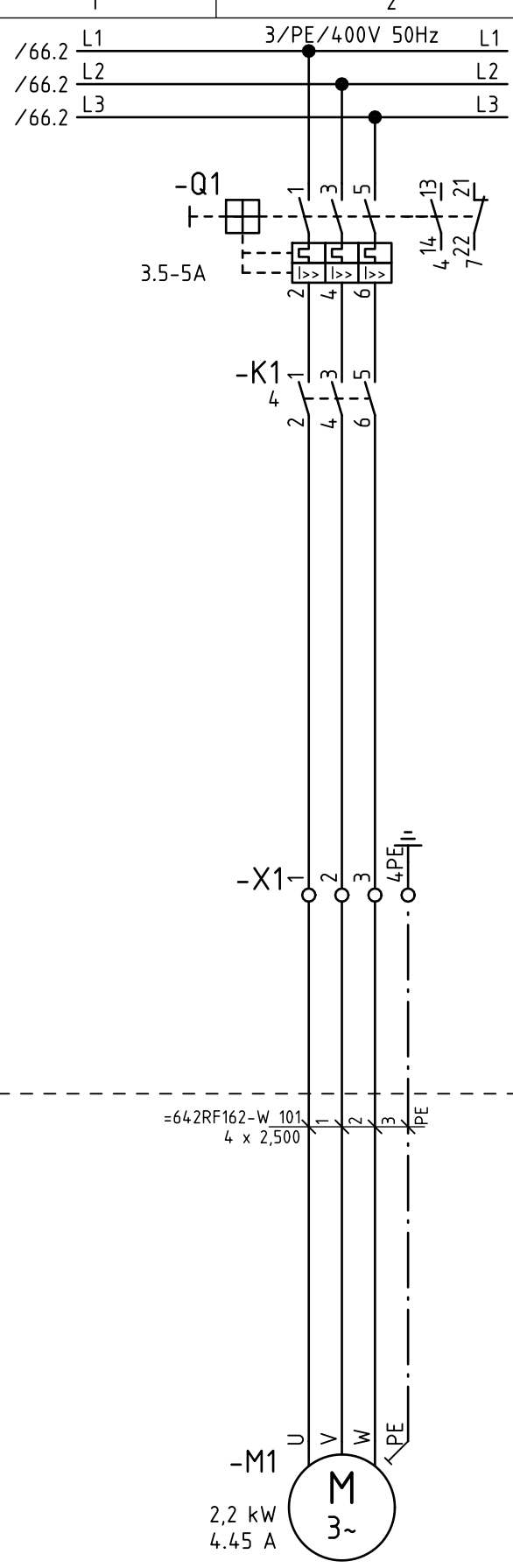


dedusting fan  
Entstaubungsventilator





spillage return screw  
Rückmehlsschnecke



rotary feeder  
Zellenradschleuse

Kabel Nr. Cable No.	Kabel Typ Cable Type
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking
Anschlußleiste Terminal Strip	Gerätebezeichnung Device Designation
	Klemmen Typ Terminal Typ Darstellungsort Location Laschenverbindung Joint bar Klemmennummer Terminal Number
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking
	Gerätebezeichnung Device Designation
Kabel Nr. Cable No.	Kabel Typ Cable Type

<b>Leiste : -0X4 Strip : (19)</b>	
1L4	/3.3 ●
1L4	/3.3 ●
1L4	/3.3 ●
11L40	/3.5 ●
11L40	/3.5 ●
11L40	/3.5 ●
12L40	/3.6 ●
12L40	/3.6 ●
12L40	/3.6 ●
13L40	/3.6 ●
13L40	/3.6 ●
13L40	/3.6 ●
14L40	/3.7 ●
14L40	/3.7 ●
14L40	/3.7 ●
L04	/3.6 ●
L04	/3.6 ●
L04	/3.6 ●
L04	/3.6 ●

<b>Leiste : -0X5 Strip : (25)</b>	
1L5+	/4.3 ●
1L5+	/4.3 ●
1L5+	/4.3 ●
2L5+	/4.3 ●
2L5+	/4.3 ●
2L5+	/4.3 ●
3L5+	/4.4 ●
3L5+	/4.4 ●
3L5+	/4.4 ●
11L5+	/4.6 ●
11L5+	/4.6 ●
11L5+	/4.6 ●
12L5+	/4.6 ●
12L5+	/4.6 ●
12L5+	/4.6 ●
13L5+	/4.7 ●
13L5+	/4.7 ●
13L5+	/4.7 ●
14L5+	/4.8 ●
14L5+	/4.8 ●
14L5+	/4.8 ●
M5	/4.6 ●
M5	/4.6 ●
M5	/4.6 ●
M5	/4.6 ●

=0+ -0X4,=0+ -0X5

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern
		Anschlußbezeichnung Connection Marking	Anschlußbezeichnung Connection Marking
		Gerätebezeichnung Device Designation	Gerätebezeichnung Device Designation
		Klemmen Typ Terminal Typ	Klemmen Typ Terminal Typ
		Darstellungsort Location	Darstellungsort Location
		Laschenverbindung Joint bar	Laschenverbindung Joint bar
		Klemmnummer Terminal Number	Klemmnummer Terminal Number

Leiste : -X2 Strip :		(15)
-S1	11 1	/2.1 X1
-S1	12 2	/2.2 PE
	3 PE	/2.2
	4	/2.2
	5	/2.2
	6 PE	/2.3
	7	/2.3
	8	/2.3
	9 PE	/2.4
	10	/2.4
	11	/2.4
	12 PE	/2.5
	13	/2.5
	14	/2.5 =642PM052A01+
	15 PE	/2.6

Leiste : -X3 Strip :		(20)
+CUST-X	1	/5.1 +\Z701L5+
+CUST-X	2	/5.1
+CUST-X	3	/5.1
+CUST-X	4	/5.2
+CUST-X	5	/5.2 -A4
+CUST-X	6	/5.2 -A4
+CUST-X	7	/5.3 -A4
+CUST-X	8	/5.3 -A4
+CUST-X	9	/5.4 -A4
+CUST-X	10	/5.4 -A4
+CUST-X	11	/5.4 -A4
+CUST-X	12	/5.5 -A4
+CUST-X	13 PE	/5.5
+CUST-X	14 PE	/5.5
+CUST-X	15 PE	/5.6
+CUST-X	16 PE	/5.6
+CUST-X	17 PE	/6.8
	18 PE	/6.8
	19 PE	/6.8
	20 PE	/6.8

Leiste : -X5 Strip :		(4)
+L-H20	1 PE	/8.5 PE
+L-H20	2	/8.4 -K20
+L-H20	3	/8.5 -K21
+L-H20	4	/8.5 + M5

Leiste : -X7 Strip :		(4)
-T1	k 1	/1.3 -P1
-T1	l 2	/1.3 -P1
-T2	k 3	/1.3 -P1
-T2	l 4	/1.3 PE

Kabel Nr. Cable No.	Kabel Typ Cable Type	
=0-W 333	NYYJ 24 x 1,500	
=0-W 335	NYYJ 24 x 1,500	
=0-W 555	NYYJ 4 x 1,500	

=0+ -X2,=0+ -X3,=0+ -X5,=0+ -X7

Kabel Nr. Cable No.	Kabel Typ Cable Type		
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	<b>Leiste : -X1 Strip : (4)</b> 1 /13.2 -K1 2 2 /13.2 -K1 4 3 /13.2 -K1 6 4 PE PE	
<b>Anschlußleiste Terminal Strip</b>	Gerätebezeichnung Device Designation		
	Klemmen Typ Terminal Typ		
	Darstellungsort Location		
Zielpunkt extern End Point extern	Laschenverbindung Joint bar	<b>Leiste : -X4 Strip : (3)</b> 1 /12.2 -K11 14 2 /12.2 + L04 3 PE PE	
	Klemmennummer Terminal Number		
	Anschlußbezeichnung Connection Marking		
Gerätebezeichnung Device Designation			
Kabel Nr. Cable No.	Kabel Typ Cable Type		
=642RF040-W 101	NYYJ 4 x 2,500	1	2
=642RF040-W 401	NYYJ 3 x 1,500		1

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
=642PM051-W 200	NYYJ 24 x 1,500								
=642PM051-W 750	NYYJ 3 x 1,500								

Anschlußleiste Terminal Strip		Leiste : -X2 Strip : (16)																	
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PE
			+TB-X2	+TB-X2	+TB-X2	+TB-X2	+TB-X2	+TB-X2	+TB-X2	+TB-X2	+TB1L5+	+TB-X2	+TB-X2	+TB-X2	+TB-X2	+TB-X2	+TB-X2	+TB-X2	+TB-X2
			/16.1	/16.2	/16.3	/16.4	/16.5	/16.5	/16.6	/16.7	/16.7	/16.7	/16.8	/17.2	/17.2	/17.2	/17.2	/17.2	/16.7
			-F1	-F1	=0+ -A6	=0+ -A6	=0+ -A6		+ M5	=0+ -A6	+ \Z701L5+	-K15	-K15	-K15	-K14	=0+ -A6			PE

Anschlußleiste Terminal Strip		Leiste : -X7 Strip : (3)			
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	11	12	3
			+L-S01	+L-S01	+L-R1
			/14.3	/14.3	/14.3
			-U1	-U1	PE

=642PM051+ -X2,=642PM051+ -X7

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
<b>Anschlußleiste Terminal Strip</b>									
<b>Leiste : -X1 Strip : (4)</b>									
				=+TB1+L-X1		1	/18.2		-Q1
				=+TB1+L-X1		2	/18.2		-Q1
				=+TB1+L-X1		3	/18.2		-Q1
				=+TB1+L-X1		4	/18.2		PE
<b>Leiste : -X2 Strip : (5)</b>									
				+LCB 3-X2		1	/20.2		
				+LCB 3-X2		2	/20.2		
				+LCB 3-X2		3	/20.2		
				+LCB 3-X2		4	/20.2		=0+ -X2
				+LCB 3-X2		5	/20.2		PE
<b>Leiste : -X4 Strip : (3)</b>									
				+L-E1		6	/18.3		-F2
				+L-E1		5	/18.3		-F2
				+L-E1		1	/18.3		PE
<b>Leiste : -X5 Strip : (26)</b>									
				+LCB 3-X5		1	/20.4		+Z701L5+
				+LCB 3-X5		2	/20.4		+ M5
				+LCB 3-X5		3	/20.5		=0+ -A4
				+LCB 3-X5		4	/20.5		=0+ -A4
				+LCB 3-X5		5	/20.6		=0+ -A4
				+LCB 3-X5		6	/20.7		=0+ -A5
				+LCB 3-X5		7	/20.7		=0+ -A5
				+LCB 3-X5		8	/20.7		=0+ -A5
				+LCB 3-X5		9	/20.8		=0+ -A9
				+LCB 3-X5		10	/20.4		
				+L-B2		1	/19.3		+Z701L5+
						12	/19.3		
				+L-B2		3	/19.3		=0+ -A6
						14	/19.3		+ M5
				+L-B2		15	/19.3		
				+L-B3		1	/19.4		
				+L-B3		2	/19.4		=0+ -A6
				+L-B3		3	/19.4		
				+L-B3		4	/19.4		
						20	/19.4		PE
				+L-X		7	/18.4		=642PM053A02+ -X5
				+L-X		8	/18.4		
				+L-X		9	/18.5		
				+L-X		10	/18.5		
				+L-X		11	/18.5		
				+L-X		12	/18.6		PE
<b>Leiste : -X9 Strip : (5)</b>									
				+LCB 3-X9		1	/21.2		-A2
				+LCB 3-X9		2	/21.2		-A2
				+LCB 3-X9		3	/21.2		-A2
				+LCB 3-X9		4	/21.3		-A2
				+LCB 3-X9		5	/21.3		PE

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
=642PM052A01-W 101	NYYJ	4 x 70,000	1						
=642PM052A01-W 201	NYYJ	5 x 1,500	2						
=642PM052A01-W 401	NYYJ	3 x 4,000	3						
=642PM052A01-W 501	NYYJ	7 x 1,500	4						
=642PM052A01-W 510	NYYJ	12 x 1,500	5						
=642PM052A01-W 541	NYYJ	3 x 1,500	6						
=642PM052A01-W 542	NYYJ	4 x 1,500	7						
=642PM052A01-W 952	LIYCY	5 x 0,340	8						

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
				<b>Leiste : -X1 Strip : (4)</b>					
				+SC-X1		1	/29.2	-Q1	2
				+SC-X1		2	/29.2	-Q1	4
				+SC-X1		3	/29.2	-Q1	6
				+SC-X1		4	/29.2	PE	PE
				<b>Leiste : -X5 Strip : (12)</b>					
				+SC-X5		1	/29.3	+ \Z701L5+	
				+SC-X5		2	/29.3	+ M5	
				+SC-X5		3	/29.4	=642PM052A01+	-X5
				+SC-X5		4	/29.4		
				+SC-X5		5	/29.4	=642PM051+	-K1534
				+SC-X5		6	/29.4	=642PM051+	-K1433
				+SC-X5		7	/29.5	=642PM051+	-K1543
				+SC-X5		8	/29.5	=642PM051+	-K1444
				+SC-X5		9	/29.6		
				+SC-X5		10	/29.6		
				+SC-X5		11	/29.6		
				+SC-X5		12	/29.6	PE	12
=642PM053A02-W 101	NYYJ 4 x 6,000					1			
=642PM053A02-W 501	NYYJ 12 x 1,500					2			
						3			
						4			
						5			
						6			
						7			
						8			
						9			
						10			
						11			
						12			

=642PM053A02+ -X1,=642PM053A02+ -X5



Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
<b>Anschlußleiste Terminal Strip</b>									
<b>Leiste : -X1 Strip : (4)</b>									
=642BC060-W 101	NYYJ 4 x 2,500			U 1	+L-M1		/31.2		1
=642BC060-W 420	NYYJ 5 x 1,500			V 2	+L-M1		/31.2		2
=642BC060-W 421	NYYJ 5 x 1,500			W 3	+L-M1		/31.2		3
=642BC060-W 501	PURJZHF 4 x 0,340			PE 4	+L-M1		/31.2		PE
<b>Leiste : -X4 Strip : (24)</b>									
				11 1	+L-S01		/30.2		1
				12 2	+L-S01		/30.2		2
				3	+L-S01		/30.2		3
				14 4	+L-S01		/30.2		4
				PE 5	+L-S01		/30.2		PE
				11 6	+L-S02		/30.3		1
				12 7	+L-S02		/30.3		2
				8	+L-S02		/30.3		3
				14 9	+L-S02		/30.3		4
				PE 10	+L-S02		/30.3		PE
				11			/30.4		
				12			/30.4		
				13			/30.4		
				14			/30.4		
				15			/30.4		
				16			/30.4		
				17			/30.4		
				PE 18			/30.5		
				=642WF080+ -X2 1			/30.5		
				=642WF080+ -X2 2			/30.5		
				20			/30.5		
				21			/30.5		
				22			/30.5		
				23			/30.5		
				24			/30.5		
<b>Leiste : -X5 Strip : (4)</b>									
				1/3 1	+L-B1		/32.2		
				2 2	+L-B1		/32.2		
				4 3	+L-B1		/32.2		
				PE 4	+L-B1		/32.2		

Kabel Nr. Cable No.	Kabel Typ Cable Type						
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Leiste : -X1 Strip :	(4)		2		
	Gerätebezeichnung Device Designation				-K1	4	
Anschlußleiste Terminal Strip	Klemmen Typ Terminal Typ				/33.2		
	Darstellungsort Location				/33.2		
	Laschenverbindung Joint bar		/33.2				
	Klemmennummer Terminal Number		/33.2				
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking						
	Gerätebezeichnung Device Designation						
Kabel Nr. Cable No.	Kabel Typ Cable Type						
=642BC070-W 101	NYYJ 4 x 2,500			1	2		
				3	PE		

Kabel Nr. Cable No.	Kabel Typ Cable Type		
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking		
Anschlußleiste Terminal Strip	Klemmen Typ Terminal Typ		
	Darstellungsort Location		
Zielpunkt extern End Point extern	Laschenverbindung Joint bar		
	Klemmennummer Terminal Number		
Kabel Nr. Cable No.	Kabel Typ Cable Type		
=642FN071-W 101	NYYJ 4 x 2,500	1	2 3 PE

Leiste : -X1 Strip : (4)			
+L-M1	U 1	/34.2	-F1 T1
+L-M1	V 2	/34.2	-F1 T2
+L-M1	W 3	/34.2	-F1 T3
+L-M1	PE 4	/34.2	PE

Leiste : -X7 Strip : (3)			
	1	/34.1	-F1 T1
	2	/34.1	-F1 T2/C1
	3	PE	PE

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt extern End Point extern	Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
				<b>Leiste : -X1 Strip : (4)</b>					
=642WF080-W 101	NYYJ 4 x 2,500	+L-A01 X0/12(L)1		X0/12(L)1	-K1	/35.2			2
=642WF080-W 201	NYYJ 3 x 1,500	+L-A01 X0/13(L)2		X0/13(L)2	-K1	/35.2			4
=642WF080-W 401	NYYJ 3 x 1,500	+L-A01 X0/14(L)3		X0/14(L)3	-K1	/35.2			6
=642WF080-W 501	NYYJ 19 x 1,500	+L-A01 X0/15(PE)		X0/15(PE)	PE	/35.2			PE
=642WF080-W 502	NYYJ 19 x 1,500								
				<b>Leiste : -X2 Strip : (3)</b>					
		+L-A01 -X1/26 1		-X1/26 1	=642BC060+	/37.6			-X4 18
		+L-A01 -X1/29 2		-X1/29 2	=642BC060+	/37.7			-X4 19
		+L-A1 PE 3 PE		PE 3 PE		/37.7			PE
				<b>Leiste : -X4 Strip : (3)</b>					
		+L-A01 X0/1(L)1		X0/1(L)1	-F2	/36.2			2
		+L-A01 X0/2(N)2		X0/2(N)2	+ L04	/36.2			
		+L-A01 X0/3(PE)3 PE		X0/3(PE)3 PE		/36.2			PE
				<b>Leiste : -X5 Strip : (36)</b>					
		+L-A01 X1/1 1		X1/1 1	+Z7012L5+	/36.4			
		+L-A01 X1/11 2		X1/11 2	=642PM052A01+	/36.4			-A6 28
		+L-A01 X1/12 3		X1/12 3	=642PM052A01+	/36.4			-A6 28
		+L-A01 X1/14 4		X1/14 4	=642PM052A01+	/36.5			-A6 28
		+L-A01 X1/15 5		X1/15 5	=642PM052A01+	/36.5			-A6 28
		+L-A01 X1/16 6		X1/16 6	=0+ -A6	/36.5			29
		+L-A01 X1/17 7		X1/17 7	=0+ -A6	/36.5			32
		+L-A01 X1/18 8		X1/18 8	=0+ -A6	/36.6			33
		+L-A01 X1/20 9		X1/20 9	=0+ -A6	/36.6			34
		+L-A01 X1/21 10		X1/21 10	=0+ -A6	/36.7			35
		+L-A01 X1/22 11		X1/22 11	-K11	/36.7			11
		+L-A01 X1/25(0)12		X1/25(0)12	-K11	/36.7			14
		+L-A01 PE 13 PE		PE 13 PE	=0+ -A6	/36.7			36
						/36.8			PE
						/37.2			5A
						/37.2			6A
						/37.2			7A
						/37.2			8A
						/37.2			
		+L-A01 A8/X15;2 19		A8/X15;2 19	=0+ -A9	/37.3			29
						/37.3			8E
						/37.3			
						/37.3			
						/37.3			11E
						/37.4			12E
						/37.4			
						/37.4			14E
		+L-A01 A8/X16;2 27		A8/X16;2 27	=0+ -A6	/37.4			37
		+L-A01 A8/20 28		A8/20 28	+ M5	/37.5			
		+L-A01 A8/X20/3 29		A8/X20/3 29	+Z7012L5+	/37.5			
		+L-A1 PE 30 PE		PE 30 PE		/37.5			30

Kabel Nr. Cable No.	Kabel Typ Cable Type				
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	<b>Leiste : -X7</b> <b>Strip : (3)</b>			
<b>Anschlußleiste</b> <b>Terminal Strip</b>	Gerätebezeichnung Device Designation				
	Klemmen Typ Terminal Typ				
Zielpunkt extern End Point extern	Darstellungsort Location		/35.5		
	Laschenverbindung Joint bar			/35.5	
Zielpunkt extern End Point extern	Klemmennummer Terminal Number			/35.5	
	Anschlußbezeichnung Connection Marking				
Zielpunkt extern End Point extern	Gerätebezeichnung Device Designation				
	Kabel Nr. Cable No.	Kabel Typ Cable Type			
=642WF080-W 701	NYYJ 3 x 1,500		1	2	PE

=642WF080+ -X7

Kabel Nr. Cable No.	Kabel Typ Cable Type					
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Leiste : -X1 Strip : (4)				
Anschlußleiste Terminal Strip	Gerätebezeichnung Device Designation					
	Klemmen Typ Terminal Typ					
	Darstellungsort Location					
	Laschenverbindung Joint bar					
	Klemmennummer Terminal Number					
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking					
	Gerätebezeichnung Device Designation					
Kabel Nr. Cable No.	Kabel Typ Cable Type					
=642BD85-W 101	NYYJ 4 x 2,500		1	2	3 PE	

+TB-X1	1	/38.2	-K1	2	
+TB-X1	2	/38.2	-K1	4	
+TB-X1	3	/38.2	-K1	6	
+TB-X1	4 PE	/38.2		PE	

=642BD85+ -X1

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
=642BD86-W 101	NYYJ 4 x 2,500								
=642BD86-W 102	NYYJ 4 x 2,500								
=642BD86-W 501	NYYJ 12 x 1,500								

Anschlußleiste Terminal Strip		Leiste : -X1 Strip :		(8)	
Gerätebezeichnung Device Designation	Anschlußbezeichnung Connection Marking	+TB-X1	4	1	2
		+TB-X1	5	2	4
		+TB-X1	6	3	6
		+TB-X1	4 PE	4	PE
		+TB-X1	8	4	14
		+TB-X1	7	5	13
		+TB-X1	9	6	15
		+TB-X1	7 PE	7	PE

Anschlußleiste Terminal Strip		Leiste : -X5 Strip :		(5)	
Gerätebezeichnung Device Designation	Anschlußbezeichnung Connection Marking	+TB-X5	+	1	2
		+TB-X5	-	2	4
		+TB-X5	4	3	6
		+TB-X5	6	4	13
		+TB-X5	5 PE	5	PE

Kabel Nr. Cable No.	Kabel Typ Cable Type						
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Leiste : -X1 Strip :	(4)				
Anschlußleiste Terminal Strip	Gerätebezeichnung Device Designation			-K1	2		
	Klemmen Typ Terminal Typ			/4.1.2	4		
	Darstellungsort Location			/4.1.2	6		
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking						
Anschlußleiste Terminal Strip	Gerätebezeichnung Device Designation						
	Klemmen Typ Terminal Typ						
	Darstellungsort Location						
	Laschenverbindung Joint bar						
Kabel Nr. Cable No.	Kabel Typ Cable Type						
=642CR090-W 101	NYYJ 4 x 2,500			1 2 3 PE			

Leiste : -X1  
Strip :

(4)

+L-M1	U 1	/4.1.2	-K1	2
+L-M1	V 2	/4.1.2	-K1	4
+L-M1	W 3	/4.1.2	-K1	6
+L-M1	PE 4 PE	/4.1.2		PE



Kabel Nr. Cable No.	Kabel Typ Cable Type								
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Leiste : -X1 Strip :	(4)						
Anschlußleiste Terminal Strip	Gerätebezeichnung Device Designation			-K1	2				
	Klemmen Typ Terminal Typ			/42.2					
	Darstellungsort Location			/42.2					
	Laschenverbindung Joint bar								
	Klemmennummer Terminal Number								
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking								
	Gerätebezeichnung Device Designation								
Kabel Nr. Cable No.	Kabel Typ Cable Type								
=642CR095-W 101	NYYJ 4 x 2,500			1	2	3	PE		

=642CR095+ -X1

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
				<b>Leiste : -X1 Strip : (4)</b>					
=642BC100-W 101	NYYJ 4 x 2,500			U 1	+L-M1		/43.2		1
=642BC100-W 501	NYYJ 4 x 1,500			V 2	+L-M1		/43.2		2
=642BC100-W 502	NYYJ 12 x 1,500			W 3	+L-M1		/43.2		3
				PE 4	+L-M1		/43.2		PE
				<b>Leiste : -X5 Strip : (12)</b>					
				1/3 1	+L-B1		/44.2		1
				2 2	+L-B1		/44.2		2
				4 3	+L-B1		/44.2		3
				PE 4	+L-B1		/44.2		PE
				1 5	+LCB 4-X5		/44.4		1
				4 6	+LCB 4-X5		/44.6		2
				5 7	+LCB 4-X5		/44.5		3
				6 8	+LCB 4-X5		/44.5		4
				7 9	+LCB 4-X5		/44.8		5
				8 10	+LCB 4-X5		/44.6		6
				9 11	+LCB 4-X5		/44.7		7
				10 12	+LCB 4-X5		/44.8		PE

=642BC100+ -X1,=642BC100+ -X5

Kabel Nr. Cable No.	Kabel Typ Cable Type					
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	<b>Leiste : -X1 Strip :</b>	(4)		2	
<b>Anschlußleiste Terminal Strip</b>	Gerätebezeichnung Device Designation				-K1	4
	Klemmen Typ Terminal Typ				/45.2	
	Darstellungsort Location				/45.2	
Zielpunkt extern End Point extern	Laschenverbindung Joint bar		/45.2		6	
	Klemmennummer Terminal Number		/45.2		PE	
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking					
	Gerätebezeichnung Device Designation	+TB-X1	1			
Kabel Nr. Cable No.	Kabel Typ Cable Type					
=642BD145M01-W 101	NYYJ 4 x 2,500		1	2	3	
					PE	

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Leiste : -X1 Strip : (10)	Leiste : -X5 Strip : (7)
		Anschlußbezeichnung Connection Marking	Anschlußbezeichnung Connection Marking		
		Gerätebezeichnung Device Designation	Gerätebezeichnung Device Designation		
Anschlußleiste Terminal Strip	Klemmen Typ Terminal Typ	Klemmennummer Terminal Number	Klemmennummer Terminal Number		
	Darstellungsort Location			Laschenverbindung Joint bar	
		Klemmen Typ Terminal Typ	Laschenverbindung Joint bar		
		Darstellungsort Location	Laschenverbindung Joint bar		
		Klemmennummer Terminal Number	Laschenverbindung Joint bar		
=642BD145M02-W 101	NYYJ 4 x 2,500			1	1
=642BD145M02-W 102	NYYJ 4 x 2,500			2	2
=642BD145M02-W 501	NYYJ 7 x 1,500			3	3
				4 PE	4 PE
				5	5
				6	6
				7 PE	7 PE
				8	8
				9	9
				10	10
				11	11
				12	12
				13	13
				14	14
				15	15
				16	16
				17	17
				18	18
				19	19
				20	20
				21	21
				22	22
				23	23
				24	24
				25	25
				26	26
				27	27
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				31	31
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				42	42
				43	43
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				54	54
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				61	61
				62	62
				63	63
				64	64
				65	65
				66	66
				67	67
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				82	82
				83	83
				84	84
				85	85
				86	86
				87	87
				88	88
				89	89
				90	90
				91	91
				92	92
				93	93
				94	94
				95	95
				96	96
				97	97
				98	98
				99	99
				100	100

Kabel Nr. Cable No.	Kabel Typ Cable Type		Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Anschlußleiste Terminal Strip		Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
						<b>Leiste : -X1 Strip : (4)</b>								
				+L-X01		1	/48.2		-Q1		2			2
				+L-X01		2	/48.2		-Q1		4			4
				+L-X01		3	/48.2		-Q1		6			6
				+L-X01		4	/48.2		PE		PE			PE

Kabel Nr. Cable No.	Kabel Typ Cable Type		Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Anschlußleiste Terminal Strip		Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
						<b>Leiste : -X5 Strip : (7)</b>								
				+L-X5		1	/48.3		-K10		14			14
				+L-X5		2	/48.3		-K10		11			11
				+L-X5		3	/48.4		+Z7012L5+					
				+L-X5		4	/48.4		=0+ -A7		19			19
				+L-X5		5	/48.5		+Z7012L5+					
				+L-X5		6	/48.5		=0+ -A7		22			22
				+L-X5		7	/48.3		PE		PE			PE

Kabel Nr. Cable No.	Kabel Typ Cable Type		Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Anschlußleiste Terminal Strip		Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
=642LM120-W 101	NYYJ	4 x 16,000	1											
=642LM120-W 501	NYYJ	7 x 1,500												

=642LM120+ -X1,=642LM120+ -X5

Kabel Nr. Cable No.	Kabel Typ Cable Type				
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	<b>Leiste : -X1 Strip :</b>			
<b>Anschlußleiste Terminal Strip</b>	Gerätebezeichnung Device Designation				
	Klemmen Typ Terminal Typ				
	Darstellungsort Location				
	Laschenverbindung Joint bar				
	Klemmennummer Terminal Number				
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking				
	Gerätebezeichnung Device Designation				
Kabel Nr. Cable No.	Kabel Typ Cable Type				
=642BD150M01-W 101	NYYJ	4 x 2,500	1	2	3 PE

(4)	2	-K1	/49.2	1	+TB-X1
	4	-K1	/49.2	2	+TB-X1
	6	-K1	/49.2	3	+TB-X1
	PE		/49.2	4	PE



Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
=642LM130-W 101	NYYJ 4 x 16,000								
=642LM130-W 501	NYYJ 7 x 1,500								

Anschlußleiste Terminal Strip		Leiste : -X1 Strip :				Leiste : -X5 Strip :						
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
	(4)											
		+L-X01	1	/52.2		1	+L-X01	1	-K10	/52.3		1
		+L-X01	2	/52.2		2	+L-X01	2	-K10	/52.3		2
		+L-X01	3	/52.2		3	+L-X01	3	+Z7012L5+	/52.4		3
		+L-X01	4	/52.2		4	+L-X01	4	=0+ -A7	/52.4		4
		3PE	PE	/52.2		PE			+Z7012L5+	/52.5		5
									=0+ -A7	/52.5		6
										/52.5		PE



Kabel Nr. Cable No.	Kabel Typ Cable Type							
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Leiste : -X1 Strip : (4)						
Anschlußleiste Terminal Strip	Gerätebezeichnung Device Designation							
	Klemmen Typ Terminal Typ							
	Darstellungsort Location							
	Laschenverbindung Joint bar							
	Klemmennummer Terminal Number							
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking							
	Gerätebezeichnung Device Designation							
Kabel Nr. Cable No.	Kabel Typ Cable Type							
=642 40-W 101	NYYJ 4 x 2,500		1	2	3	PE		

U 1	/57.2	-K1	2
V 2	/57.2	-K1	4
W 3	/57.2	-K1	6
PE 4	/57.2		PE

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number																																																																																										
=642BE010M01-W 101	NYYJ 4 x 25,000																																																																																																		
=642BE010M01-W 401	NYYJ 3 x 1,500																																																																																																		
=642BE010M01-W 502	NYYJ 3 x 1,500																																																																																																		
=642BE010M01-W 503	NYYJ 12 x 1,500																																																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="10" style="text-align: center;"><b>Leiste : -X1 Strip : (4)</b></td> </tr> <tr> <td>+L-M1</td> <td>U</td> <td>1</td> <td>/58.2</td> <td>-K1</td> <td>2</td> <td colspan="4"></td> </tr> <tr> <td>+L-M1</td> <td>V</td> <td>2</td> <td>/58.2</td> <td>-K1</td> <td>4</td> <td colspan="4"></td> </tr> <tr> <td>+L-M1</td> <td>W</td> <td>3</td> <td>/58.2</td> <td>-K1</td> <td>6</td> <td colspan="4"></td> </tr> <tr> <td>+L-M1</td> <td>PE</td> <td>4</td> <td>/58.2</td> <td>PE</td> <td>PE</td> <td colspan="4"></td> </tr> </table>										<b>Leiste : -X1 Strip : (4)</b>										+L-M1	U	1	/58.2	-K1	2					+L-M1	V	2	/58.2	-K1	4					+L-M1	W	3	/58.2	-K1	6					+L-M1	PE	4	/58.2	PE	PE																																												
<b>Leiste : -X1 Strip : (4)</b>																																																																																																			
+L-M1	U	1	/58.2	-K1	2																																																																																														
+L-M1	V	2	/58.2	-K1	4																																																																																														
+L-M1	W	3	/58.2	-K1	6																																																																																														
+L-M1	PE	4	/58.2	PE	PE																																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="10" style="text-align: center;"><b>Leiste : -X4 Strip : (3)</b></td> </tr> <tr> <td>+L-S7</td> <td>11</td> <td>1</td> <td>/58.3</td> <td>+Z7013L40</td> <td></td> <td colspan="4"></td> </tr> <tr> <td>+L-S7</td> <td>12</td> <td>2</td> <td>/58.3</td> <td>-Q1</td> <td>13</td> <td colspan="4"></td> </tr> <tr> <td>+L-S7</td> <td></td> <td>3</td> <td>/58.3</td> <td>PE</td> <td>PE</td> <td colspan="4"></td> </tr> </table>										<b>Leiste : -X4 Strip : (3)</b>										+L-S7	11	1	/58.3	+Z7013L40						+L-S7	12	2	/58.3	-Q1	13					+L-S7		3	/58.3	PE	PE																																																						
<b>Leiste : -X4 Strip : (3)</b>																																																																																																			
+L-S7	11	1	/58.3	+Z7013L40																																																																																															
+L-S7	12	2	/58.3	-Q1	13																																																																																														
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="10" style="text-align: center;"><b>Leiste : -X5 Strip : (8)</b></td> </tr> <tr> <td>+L-S6</td> <td>11</td> <td>4</td> <td>/59.1</td> <td>+Z701L5+</td> <td></td> <td colspan="4"></td> </tr> <tr> <td>+L-S6</td> <td></td> <td>5</td> <td>/59.2</td> <td>PE</td> <td>PE</td> <td colspan="4"></td> </tr> <tr> <td>+L-S6</td> <td>12</td> <td>6</td> <td>/59.2</td> <td>=0+ -A7</td> <td>35</td> <td colspan="4"></td> </tr> <tr> <td>+L-X5</td> <td>1</td> <td>11</td> <td>/59.5</td> <td>-A1</td> <td>5</td> <td colspan="4"></td> </tr> <tr> <td>+L-X5</td> <td>2</td> <td>12</td> <td>/59.5</td> <td>-A1</td> <td>4</td> <td colspan="4"></td> </tr> <tr> <td>+L-X5</td> <td>3</td> <td>13</td> <td>/59.5</td> <td></td> <td></td> <td colspan="4"></td> </tr> <tr> <td>+L-X5</td> <td>4</td> <td>14</td> <td>/59.5</td> <td>-A1</td> <td>3</td> <td colspan="4"></td> </tr> <tr> <td>+L-X5</td> <td>5</td> <td>15</td> <td>/59.5</td> <td>PE</td> <td>PE</td> <td colspan="4"></td> </tr> </table>										<b>Leiste : -X5 Strip : (8)</b>										+L-S6	11	4	/59.1	+Z701L5+						+L-S6		5	/59.2	PE	PE					+L-S6	12	6	/59.2	=0+ -A7	35					+L-X5	1	11	/59.5	-A1	5					+L-X5	2	12	/59.5	-A1	4					+L-X5	3	13	/59.5							+L-X5	4	14	/59.5	-A1	3					+L-X5	5	15	/59.5	PE	PE				
<b>Leiste : -X5 Strip : (8)</b>																																																																																																			
+L-S6	11	4	/59.1	+Z701L5+																																																																																															
+L-S6		5	/59.2	PE	PE																																																																																														
+L-S6	12	6	/59.2	=0+ -A7	35																																																																																														
+L-X5	1	11	/59.5	-A1	5																																																																																														
+L-X5	2	12	/59.5	-A1	4																																																																																														
+L-X5	3	13	/59.5																																																																																																
+L-X5	4	14	/59.5	-A1	3																																																																																														
+L-X5	5	15	/59.5	PE	PE																																																																																														

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
<b>Anschlußleiste Terminal Strip</b>									
<b>Leiste : -X1 Strip : (4)</b>									
=642BE010M02-W 101	NYYJ 4 x 2,500			U 1	+L-M1		/60.2		1 -K1
=642BE010M02-W 401	NYYJ 5 x 2,500			V 2	+L-M1		/60.2		2 -K1
=642BE010M02-W 501	NYYJ 3 x 2,500			W 3	+L-M1		/60.2		3 -K1
=642BE010M02-W 503	NYYJ 12 x 1,500			PE 4	+L-M1		/60.2		4 PE
<b>Leiste : -X4 Strip : (5)</b>									
				6 1	+L-S1		/60.5		14 -K10
				4 2	+L-S1		/60.5		14 -K1
				3 3	+L-S1		/60.5		14 -K1
				1 4	+L-S1		/60.5		14 =642BE010M01+ -K2
				PE 5	+L-S1		/60.5		PE
<b>Leiste : -X5 Strip : (8)</b>									
				7 1	+L-S1		/60.6		37 +\Z701L5+
				8 2	+L-S1		/60.6		37 =0+ -A7
				3 PE	+L-S1		/60.6		PE
				1 4	+L-X5		/61.5		5 -A1
				2 5	+L-X5		/61.5		4 -A1
				3 6	+L-X5		/61.5		
				4 7	+L-X5		/61.5		3 -A1
				5 8	+L-X5		/61.5		PE

Kabel Nr. Cable No.	Kabel Typ Cable Type								
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Leiste : -X1 Strip :	(4)						
Anschlußleiste Terminal Strip	Gerätebezeichnung Device Designation			-K1	2				
	Klemmen Typ Terminal Typ			/62.2					
	Darstellungsort Location			/62.2					
	Laschenverbindung Joint bar								
	Klemmennummer Terminal Number								
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking								
	Gerätebezeichnung Device Designation								
Kabel Nr. Cable No.	Kabel Typ Cable Type								
=642VS020-W 101	NYYJ 4 x 2,500			1	2	3	PE		

Leiste : -X1  
Strip :

(4)

+L-M1	U 1	/62.2	-K1	2
+L-M1	V 2	/62.2	-K1	4
+L-M1	W 3	/62.2	-K1	6
+L-M1	PE 4 PE	/62.2		PE

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking		Anschlußbezeichnung Connection Marking	
		Gerätebezeichnung Device Designation	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
<b>Leiste : -X5 Strip : (15)</b>							
=642BI030-W 501	NYYJ 5 x 1,500	+L-A1	+L-A1	1	/63.3	•	1
=642BI030-W 502	NYYJ 5 x 1,500	+L-A1	+L-A1	2	/63.3	•	2
=642BI030-W 503	NYYJ 5 x 1,500	+L-A1	+L-A1	3	/63.3		3
		+L-A1	+L-A1	4	/63.4		4
		PE	PE	5	/63.4		PE
		+L-A2	+L-A2	6	/63.4	•	6
		+L-A2	+L-A2	7	/63.4	•	7
		+L-A2	+L-A2	8	/63.5		8
		+L-A2	+L-A2	9	/63.5	•	9
		PE	PE	10	/63.5		PE
		+L-A3	+L-A3	11	/63.6	•	11
		+L-A3	+L-A3	12	/63.6	•	12
		+L-A3	+L-A3	13	/63.6		13
		+L-A3	+L-A3	14	/63.6	•	14
		PE	PE	15	/63.6		PE

=642BI030+ -X5

Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
=642FN165-W 101	NYYJ 4 x 95,000								
=642FN165-W 750	NYYJ 3 x 1,500								

Anschlußleiste Terminal Strip		Leiste : -X1 Strip : (4)				Leiste : -X7 Strip : (3)				
1	U	+L-M1	-F1	/65.2	T1	1	+L-R1	-F1	/65.1	T1
2	V	+L-M1	-F1	/65.2	T2	2	+L-R1	-F1	/65.1	T2/C1
3	W	+L-M1	-F1	/65.2	T3	3	+L-R1	PE	/65.1	PE
PE	PE	+L-M1	PE	/65.2	PE					

Kabel Nr. Cable No.	Kabel Typ Cable Type							
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Leiste : -X1 Strip : (4)						
Anschlußleiste Terminal Strip	Gerätebezeichnung Device Designation							
	Klemmen Typ Terminal Typ							
	Darstellungsort Location							
	Laschenverbindung Joint bar							
	Klemmennummer Terminal Number							
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking							
	Gerätebezeichnung Device Designation							
Kabel Nr. Cable No.	Kabel Typ Cable Type							
=642 61-W 101	NYYJ 4 x 2,500		1	2	3	PE		

+L-M1	U 1	/66.2	-K1	2			
+L-M1	V 2	/66.2	-K1	4			
+L-M1	W 3	/66.2	-K1	6			
+L-M1	PE 4 PE	/66.2		PE			

Kabel Nr. Cable No.	Kabel Typ Cable Type				
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	<b>Leiste : -X1 Strip :</b>	(4)		
<b>Anschlußleiste Terminal Strip</b>	Gerätebezeichnung Device Designation			-K1	2
	Klemmen Typ Terminal Typ			/67.2	4
	Darstellungsort Location			/67.2	6
	Laschenverbindung Joint bar				
	Klemmennummer Terminal Number	U 1			
Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	+L-M1	1		
	Gerätebezeichnung Device Designation	+L-M1	2		
		+L-M1	3		
		+L-M1	4 PE		
		PE	PE		
Kabel Nr. Cable No.	Kabel Typ Cable Type				
=642RF162-W 101	NYYJ 4 x 2,500				

=642RF162+ -X1



Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	Gerätebezeichnung Device Designation	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
<b>Anschlußleiste Terminal Strip</b>									
<b>Leiste : -X4 Strip : (3)</b>									
=642BF160-W 401	NYYJ 3 x 4,000			L1	+L-A1		/64.2		1
				N2	+L-A1		/64.2		2
				PE	+L-A1		/64.2		3 PE
<b>Leiste : -X5 Strip : (9)</b>									
				1	+L-A2		/64.4		1
				2	+L-A2		/64.4		2
				3	+L-A2		/64.4		3
				4	+L-A2		/64.5		4
				5	+L-A2		/64.5		5
				6 PE	+L-A2		/64.4		6 PE
				13 7	+L-ES001		/64.6		7
				14 8	+L-ES001		/64.6		8
				9 PE	+L-ES001		/64.6		9 PE

=642BF160+ -X4,=642BF160+ -X5

Kabel Nr. Cable No.	Kabel Typ Cable Type		
Zielpunkt intern End Point intern	Anschlußbezeichnung Connection Marking	Leiste : -A1 Strip :	(2)
Anschlußleiste Terminal Strip	Gerätebezeichnung Device Designation		
	Klemmen Typ Terminal Typ		
	Darstellungsort Location		
	Laschenverbindung Joint bar		
	Klemmennummer Terminal Number		
	Zielpunkt extern End Point extern	Anschlußbezeichnung Connection Marking	
	Gerätebezeichnung Device Designation		
	Kabel Nr. Cable No.	Kabel Typ Cable Type	

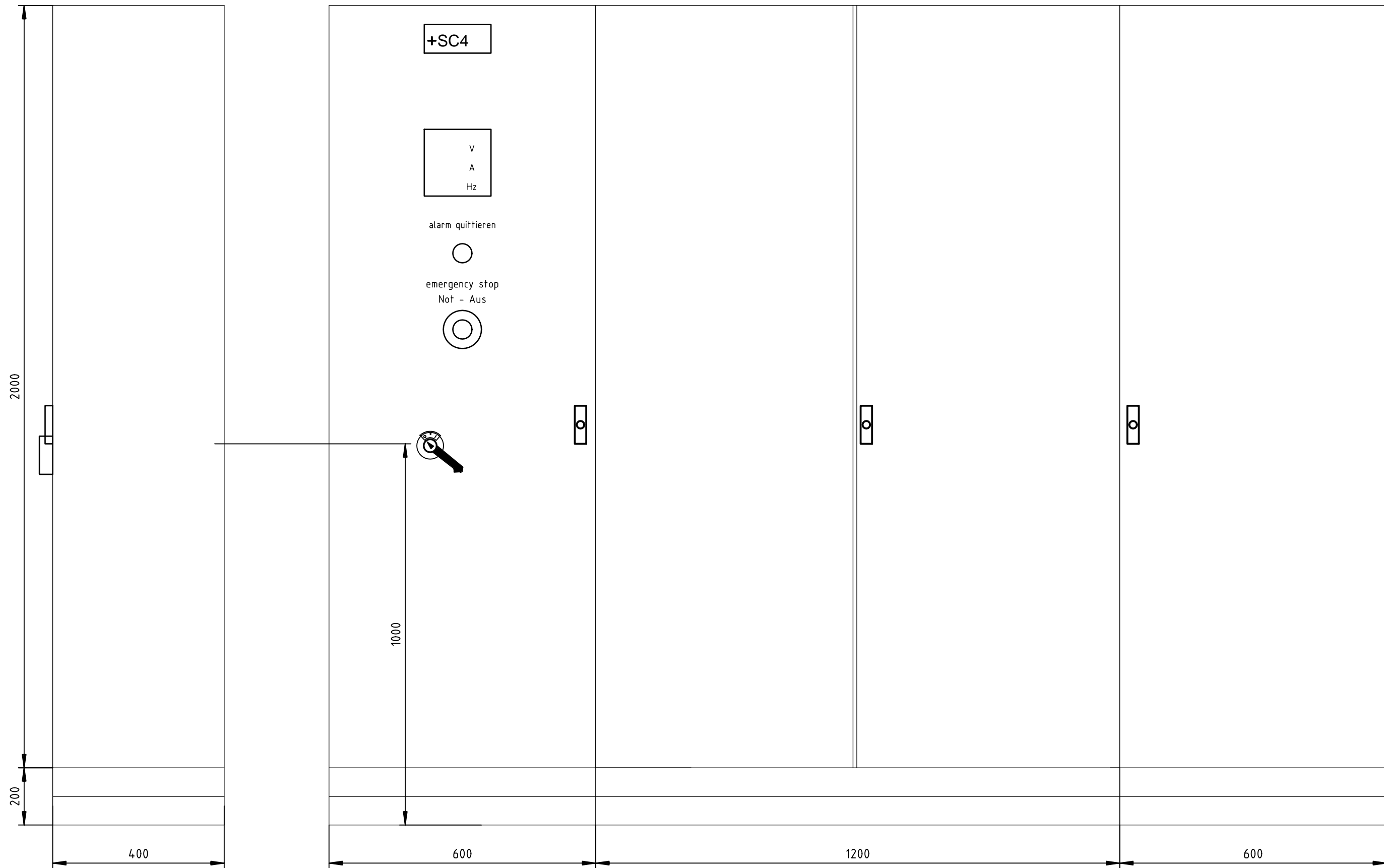
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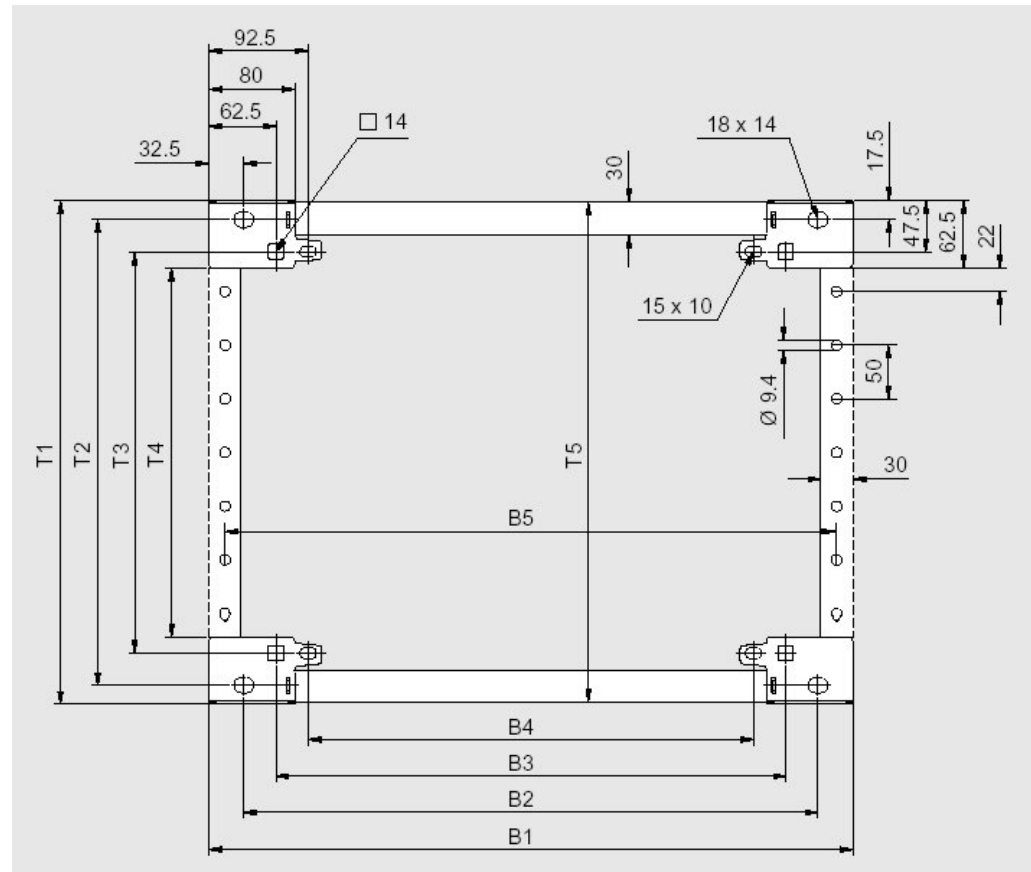
Kabel Nr. Cable No.	Kabel Typ Cable Type	Zielpunkt intern End Point intern	Zielpunkt extern End Point extern	Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar	Klemmennummer Terminal Number
=642PM053A02-W 101	NYYJ 4 x 6,000			Leiste : -X1 (4) Strip :			
				1	/29.2		
				2	/29.2		
				3	/29.2		
=642PM053A02-W 501	NYYJ 12 x 1,500			Leiste : -X5 (12) Strip :			
				1	/29.3		
				2	/29.3		
				3	/29.4		
				4	/29.4		
				5	/29.4		
				6	/29.4		
				7	/29.5		
				8	/29.5		
				9	/29.6		
				10	/29.6		
				11	/29.6		
				12	PE		

=642PM053A02+SC-X1,=642PM053A02+SC-X5

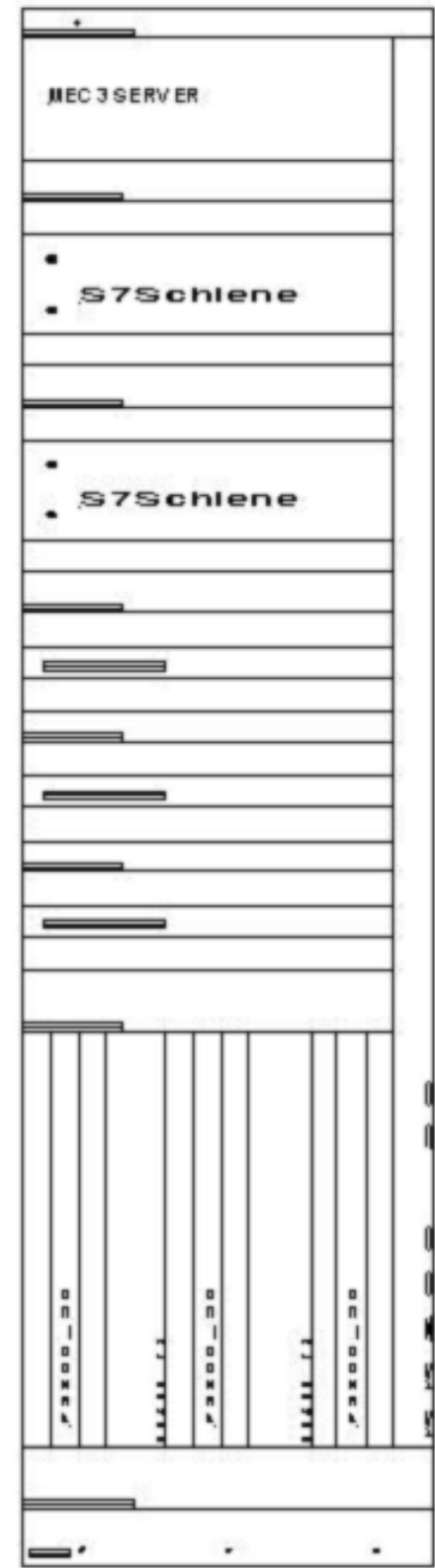
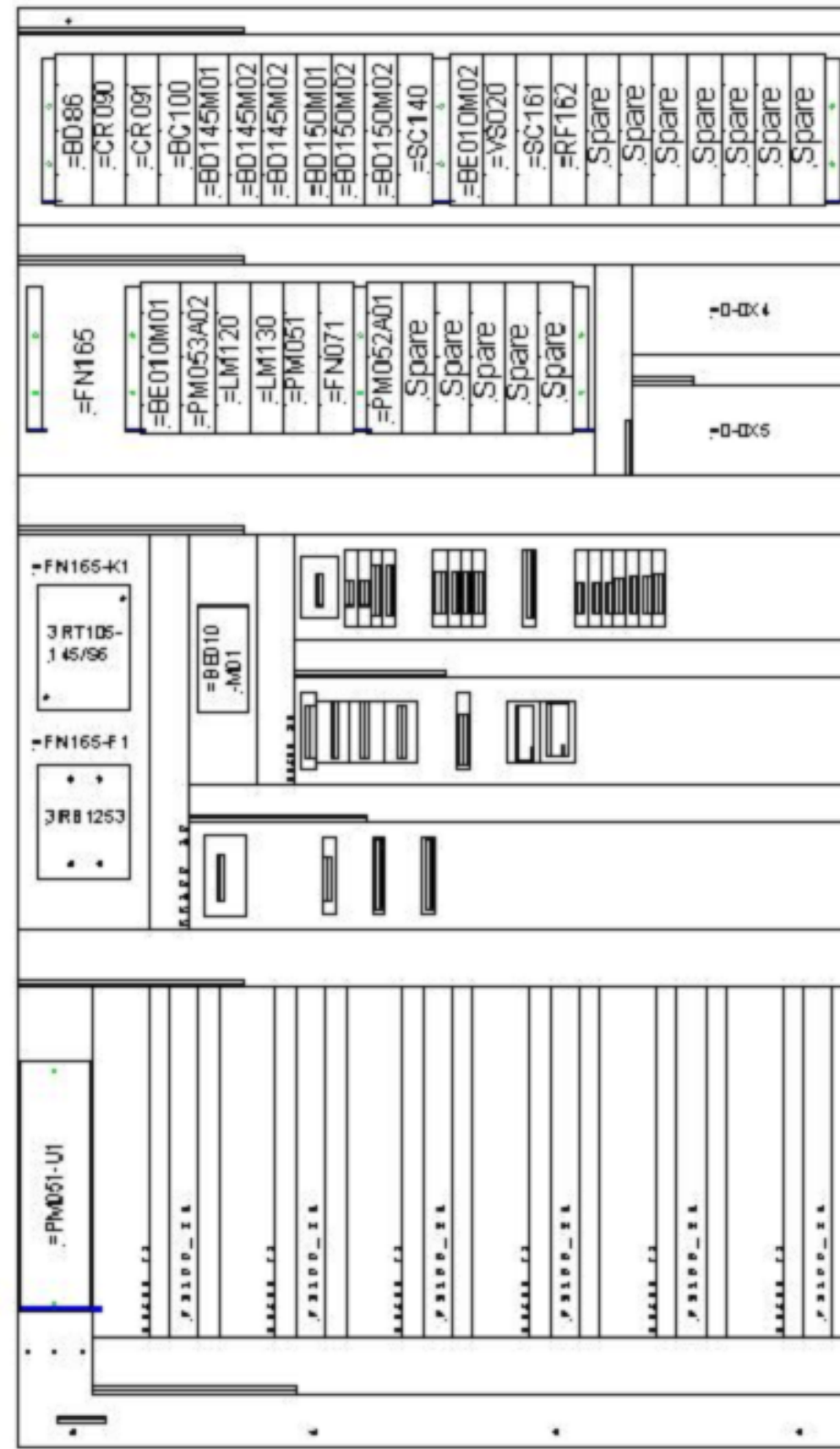
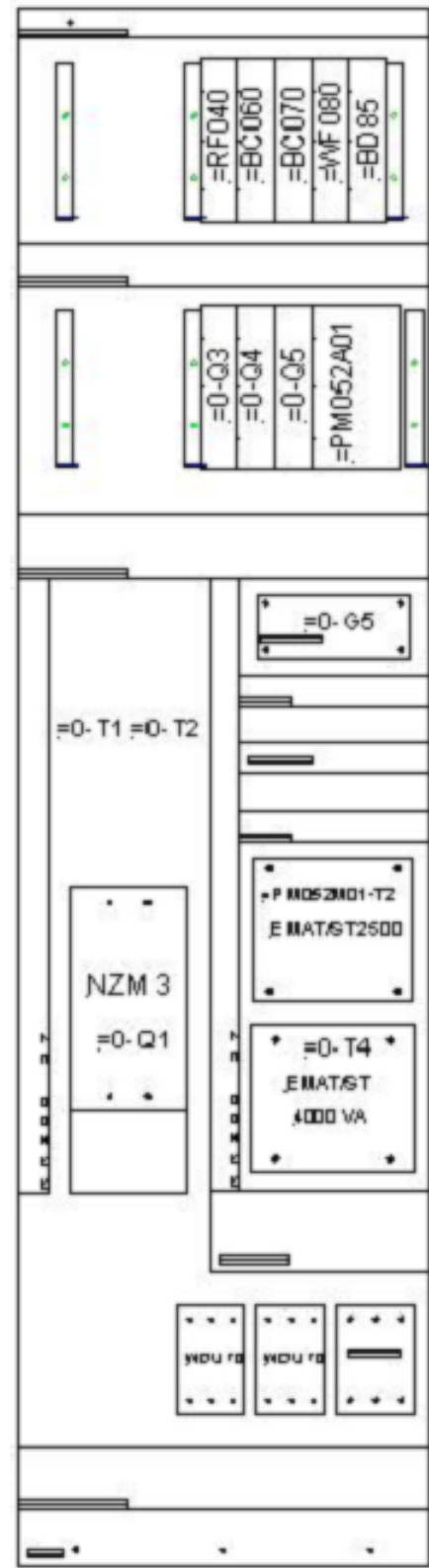
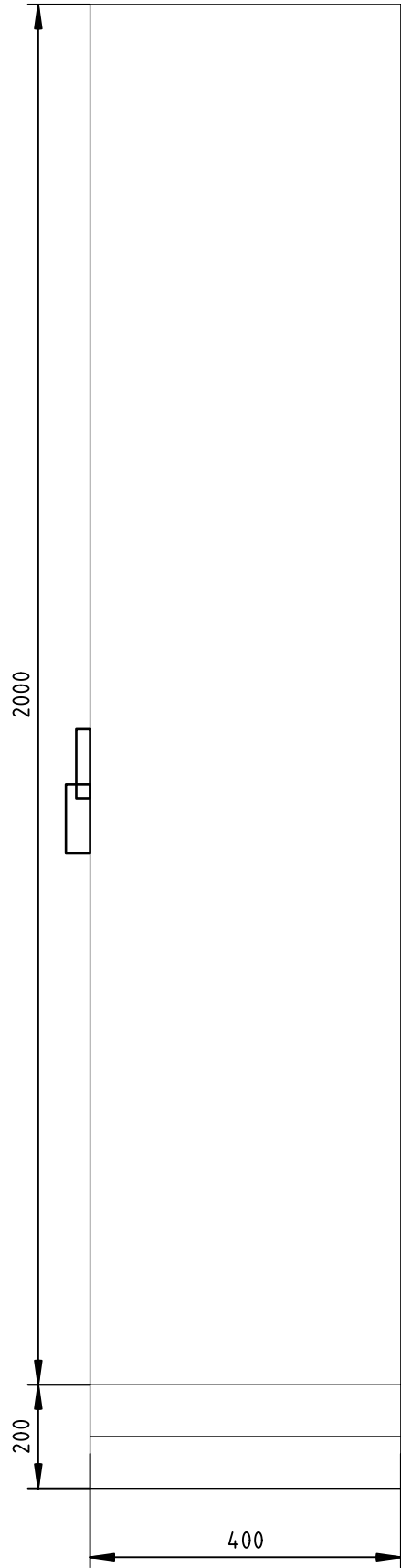
=642PM051-W 200		NYYJ 24 x 1,500		1	2	3	4	5	6	7	10	11	8	PE	12	13	14	15
Kabel Nr. Cable No.	Kabel Typ Cable Type	Anschlußbezeichnung Connection Marking																
Zielpunkt intern End Point intern	Gerätebezeichnung Device Designation	Anschlußbezeichnung Connection Marking																
Anschlußleiste Terminal Strip		Leiste : -X2 Strip :																
Klemmen Typ Terminal Typ	Darstellungsort Location	Laschenverbindung Joint bar																
Zielpunkt extern End Point extern		Klemmennummer Terminal Number																
Kabel Nr. Cable No.	Kabel Typ Cable Type	Anschlußbezeichnung Connection Marking																
Kabel Nr. Cable No.	Kabel Typ Cable Type	Gerätebezeichnung Device Designation																
=642PM051-W 201	NYYJ 5 x 1,500	1	2	3	4	PE												
=642PM051-W 202	NYYJ 5 x 1,500						1	2	3	4	PE							
=642PM051-W 203	NYYJ 7 x 1,500											1	2	3	4	5	6	PE
=642PM051-W 204	NYYJ 7 x 1,500																	
=642PM051-W 205	NYYJ 7 x 1,500																	
=642PM051-W 206	NYYJ 10 x 1,500																	

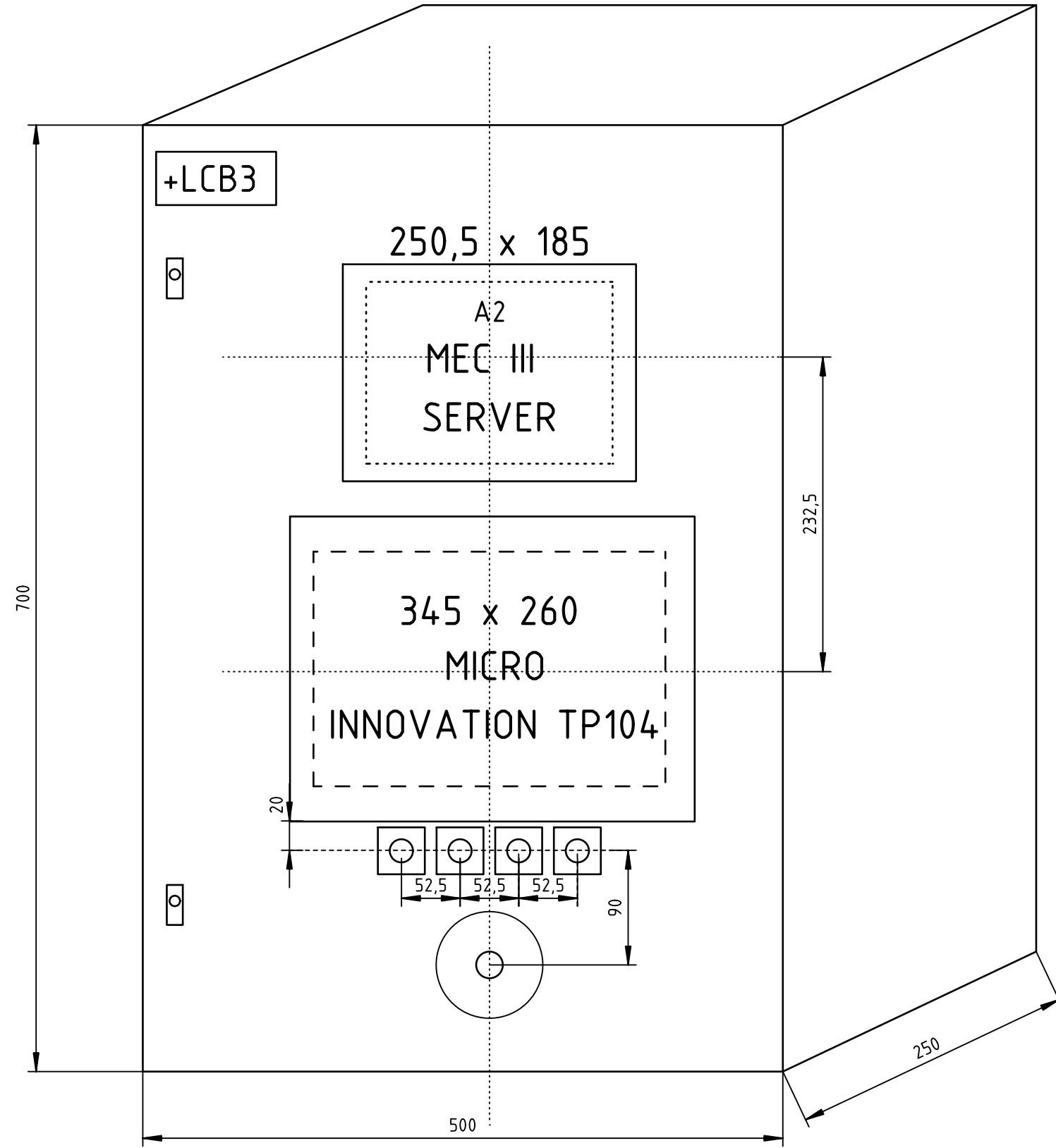
=642PM051+TB-X2





socket in front/at the back Sockel vorne/hinten						socket lateral Sockel seitlich					
width mm Breite mm	B1	B2	B3	B4	B5	depth mm Tiefe mm	T1	T2	T3	T4	T5
400	400	335	275	215	370	400	369	334	274	244	368
500	500	435	375	315	470	500	469	434	374	344	468
600	600	535	475	415	570	600	569	534	474	444	568
800	800	735	675	615	770	800	769	734	674	644	768
1000	1000	935	875	815	970	1000	869	834	774	744	868
1200	1200	1135	1075	1015	1170	1200	969	934	874	844	968



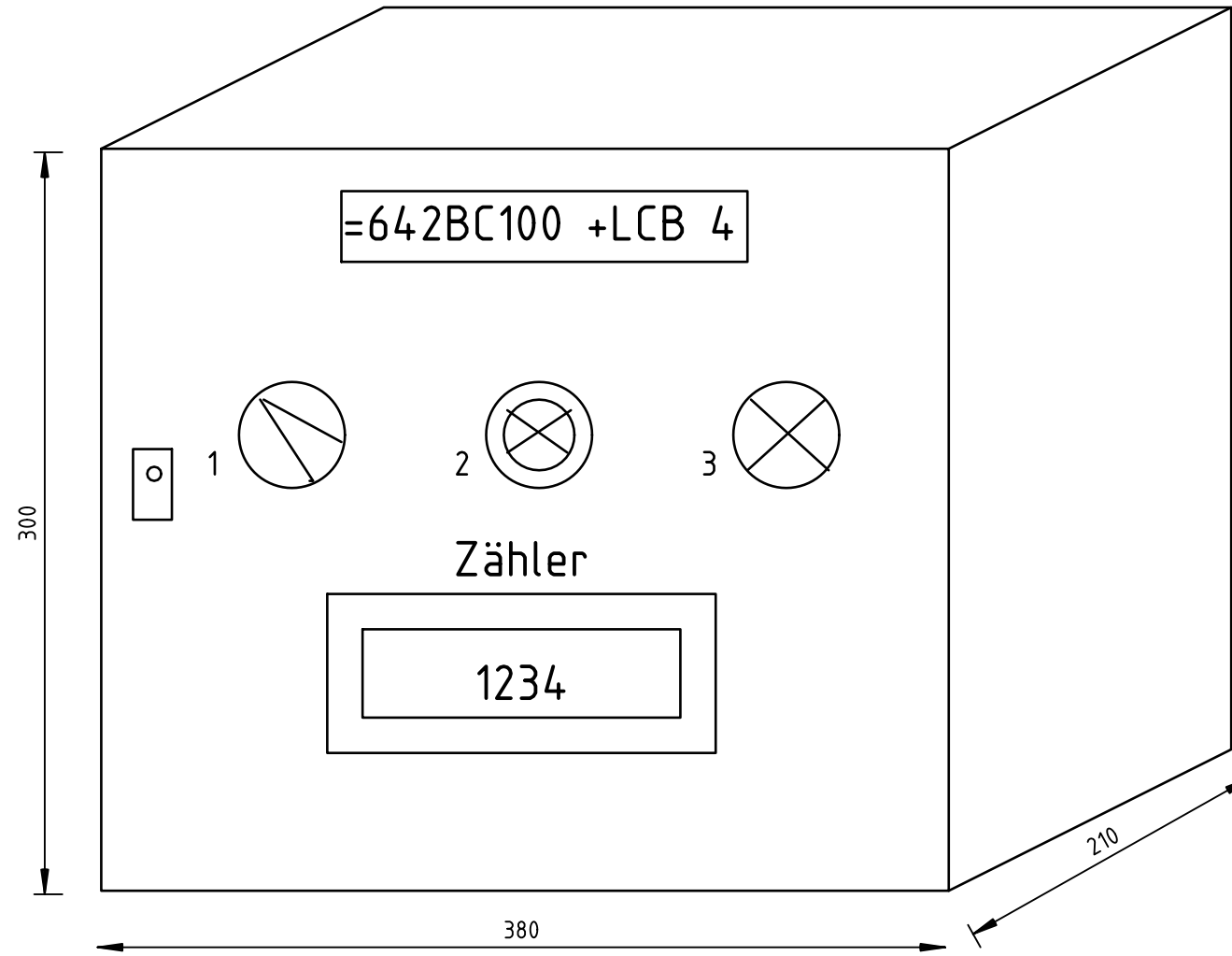


control desk  
Tableau



Type: RITTAL AE 1031.500

- 1= Vorwahlzähler  
aus ein
- 2= BATCH  
Start
- 3= Vorwahlzähler  
erreicht



Verschraubung 1x M32

item no. Pos.	cable name Kabelname	cable type Kabeltype	number of cores/crosssection Aderanzahl/Querschnitt			page Blatt	from von			to nach		
1	=0-W 101		4	x	xx	1	+CUST	=0	-L1	+	=0	-Q1
2	=0-W 333	NYYJ	24	x	1,500	5	+CUST	=0	-X	+	=0	-X3
3	=0-W 335	NYYJ	24	x	1,500	6	+CUST	=0	-X	+	=0	-K10
4	=0-W 555	NYYJ	4	x	1,500	8	+L	=0	-H20	+	=0	-X5
5	=642RF040-W 101	NYYJ	4	x	2,500	13	+L	=642RF040	-M1	+	=642RF040	-X1
6	=642RF040-W 401	NYYJ	3	x	1,500	12	+L	=642RF040	-Y1	+	=642RF040	-X4
7	=642PM051-W 101	NYYJ	4	x	2,500	14	+L	=642PM051	-M01	+	=642PM051	-U1
8	=642PM051-W 200	NYYJ	24	x	1,500	16	+TB	=642PM051	-X2	+	=642PM051	-X2
9	=642PM051-W 201	NYYJ	5	x	1,500	16	+TB	=642PM051	-X2	+L	=642PM051	-S1
10	=642PM051-W 202	NYYJ	5	x	1,500	16	+TB	=642PM051	-X2	+L	=642PM051	-S2
11	=642PM051-W 203	NYYJ	7	x	1,500	16	+TB	=642PM051	-X2	+L	=642PM051	-S3
12	=642PM051-W 204	NYYJ	7	x	1,500	16	+TB	=642PM051	-X2	+L	=642PM051	-S4
13	=642PM051-W 205	NYYJ	7	x	1,500	16	+TB	=642PM051	-X2	+L	=642PM051	-S5
14	=642PM051-W 206	NYYJ	10	x	1,500	17	+TB	=642PM051	-X2	+L	=642PM051	-S6
15	=642PM051-W 750	NYYJ	3	x	1,500	14	+L	=642PM051	-S01	+	=642PM051	-X7
16	=642PM052A01-W 101	NYYJ	4	x	70,000	18	+L	=+TB1	-X1	+	=642PM052A01	-X1
17	=642PM052A01-W 102	NYYJ	4	x	50,000	18	+L	=642PM052A01	-E1	+L	=+TB1	-X1
18	=642PM052A01-W 201	NYYJ	5	x	1,500	20	+LCB 3	=642PM052A01	-X2	+	=642PM052A01	-X2
19	=642PM052A01-W 401	NYYJ	3	x	4,000	18	+L	=642PM052A01	-E1	+	=642PM052A01	-X4
20	=642PM052A01-W 501	NYYJ	7	x	1,500	18	+L	=642PM052A01	-X	+	=642PM052A01	-X5
21	=642PM052A01-W 510	NYYJ	12	x	1,500	20	+LCB 3	=642PM052A01	-X5	+	=642PM052A01	-X5
22	=642PM052A01-W 541	NYYJ	3	x	1,500	19	+L	=642PM052A01	-B2	+	=642PM052A01	-X5
23	=642PM052A01-W 542	NYYJ	4	x	1,500	19	+L	=642PM052A01	-B3	+	=642PM052A01	-X5
24	=642PM052A01-W 901	BUS-CABLE	2	x	0,640	20	+LCB 3	=642PM052A01	-ST1	+	=0	-ST2
25	=642PM052A01-W 952	LIYCY	5	x	0,340	21	+LCB 3	=642PM052A01	-X9	+	=642PM052A01	-X9
26	=642PM053A02-W 101	NYYJ	4	x	6,000	29	+SC	=642PM053A02	-X1	+	=642PM053A02	-X1
27	=642PM053A02-W 501	NYYJ	12	x	1,500	29	+SC	=642PM053A02	-X5	+	=642PM053A02	-X5
28	=642PM053A02-W 901	L2BUS	2	x	0,640	29	+SC	=642PM053A02	-ST...	+	=0	-ST2
29	=642BC060-W 101	NYYJ	4	x	2,500	31	+L	=642BC060	-M1	+	=642BC060	-X1
30	=642BC060-W 420	NYYJ	5	x	1,500	30	+L	=642BC060	-S01	+	=642BC060	-X4
31	=642BC060-W 421	NYYJ	5	x	1,500	30	+L	=642BC060	-S02	+	=642BC060	-X4
32	=642BC060-W 501	PURJZHF	4	x	0,340	32	+L	=642BC060	-B1	+	=642BC060	-X5
33	=642BC070-W 101	NYYJ	4	x	2,500	33	+L	=642BC070	-M1	+	=642BC070	-X1
34	=642FN071-W 101	NYYJ	4	x	2,500	34	+L	=642FN071	-M1	+	=642FN071	-X1
35	=642WF080-W 101	NYYJ	4	x	2,500	35	+L	=642WF080	-A01	+	=642WF080	-X1
36	=642WF080-W 201	NYYJ	3	x	1,500	37	+L	=642WF080	-A01	+	=642WF080	-X2
37	=642WF080-W 401	NYYJ	3	x	1,500	36	+L	=642WF080	-A01	+	=642WF080	-X4
38	=642WF080-W 501	NYYJ	19	x	1,500	36	+L	=642WF080	-A01	+	=642WF080	-X5
39	=642WF080-W 502	NYYJ	19	x	1,500	37	+L	=642WF080	-A01	+	=642WF080	-X5
40	=642WF080-W 701	NYYJ	3	x	1,500	35	+L	=642WF080	-A01	+	=642WF080	-X7

item no. Pos.	cable name Kabelname	cable type Kabeltype	number of cores/cross section Aderanzahl/Querschnitt			page Blatt	from von			to nach		
41	=642BD85-W 101	NYYJ	4	x	2,500	38	+TB	=642BD85	-X1	+	=642BD85	-X1
42	=642BD86-W 101	NYYJ	4	x	2,500	39	+TB	=642BD86	-X1	+	=642BD86	-X1
43	=642BD86-W 102	NYYJ	4	x	2,500	39	+TB	=642BD86	-X1	+	=642BD86	-X1
44	=642BD86-W 501	NYYJ	12	x	1,500	40	+TB	=642BD86	-X5	+	=642BD86	-X5
45	=642CR090-W 101	NYYJ	4	x	2,500	41	+L	=642CR090	-M1	+	=642CR090	-X1
46	=642CR095-W 101	NYYJ	4	x	2,500	42	+L	=642CR095	-M1	+	=642CR095	-X1
47	=642BC100-W 101	NYYJ	4	x	2,500	43	+L	=642BC100	-M1	+	=642BC100	-X1
48	=642BC100-W 501	NYYJ	4	x	1,500	44	+L	=642BC100	-B1	+	=642BC100	-X5
49	=642BC100-W 502	NYYJ	12	x	1,500	44	+LCB 4	=642BC100	-X5	+	=642BC100	-X5
50	=642BD145M01-W 101	NYYJ	4	x	2,500	45	+TB	=642BD145M01	-X1	+	=642BD145M01	-X1
51	=642BD145M02-W 101	NYYJ	4	x	2,500	46	+TB	=642BD145M02	-X1	+	=642BD145M02	-X1
52	=642BD145M02-W 102	NYYJ	4	x	2,500	46	+TB	=642BD145M02	-X1	+	=642BD145M02	-X1
53	=642BD145M02-W 501	NYYJ	7	x	1,500	47	+TB	=642BD145M02	-X5	+	=642BD145M02	-X5
54	=642LM120-W 101	NYYJ	4	x	16,000	48	+L	=642LM120	-X01	+	=642LM120	-X1
55	=642LM120-W 501	NYYJ	7	x	1,500	48	+L	=642LM120	-X5	+	=642LM120	-X5
56	=642BD150M01-W 101	NYYJ	4	x	2,500	49	+TB	=642BD150M01	-X1	+	=642BD150M01	-X1
57	=642DB150M02-W 101	NYYJ	4	x	2,500	50	+TB	=642DB150M02	-X1	+	=642DB150M02	-X1
58	=642DB150M02-W 102	NYYJ	4	x	2,500	50	+TB	=642DB150M02	-X1	+	=642DB150M02	-X1
59	=642DB150M02-W 501	NYYJ	7	x	1,500	51	+TB	=642DB150M02	-X5	+	=642DB150M02	-X5
60	=642LM130-W 101	NYYJ	4	x	16,000	52	+L	=642LM130	-X01	+	=642LM130	-X1
61	=642LM130-W 501	NYYJ	7	x	1,500	52	+L	=642LM130	-X5	+	=642LM130	-X5
62	=642 40-W 101	NYYJ	4	x	2,500	57	+L	=642 40	-M1	+	=642 40	-X1
63	=642BE010M01-W 101	NYYJ	4	x	25,000	58	+L	=642BE010M01	-M1	+	=642BE010M01	-X1
64	=642BE010M01-W 401	NYYJ	3	x	1,500	58	+L	=642BE010M01	-S7	+	=642BE010M01	-X4
65	=642BE010M01-W 502	NYYJ	3	x	1,500	59	+L	=642BE010M01	-S6	+	=642BE010M01	-X5
66	=642BE010M01-W 503	NYYJ	12	x	1,500	59	+L	=642BE010M01	-X5	+	=642BE010M01	-X5
67	=642BE010M01-W 531	PURJZHF	4	x	0,340	59	+L	=642BE010M01	-B1	+L	=642BE010M01	-X5
68	=642BE010M02-W 101	NYYJ	4	x	2,500	60	+L	=642BE010M02	-M1	+	=642BE010M02	-X1
69	=642BE010M02-W 401	NYYJ	5	x	2,500	60	+L	=642BE010M02	-S1	+	=642BE010M02	-X4
70	=642BE010M02-W 501	NYYJ	3	x	2,500	60	+L	=642BE010M02	-S1	+	=642BE010M02	-X5
71	=642BE010M02-W 503	NYYJ	12	x	1,500	61	+L	=642BE010M02	-X5	+	=642BE010M02	-X5
72	=642BE010M02-W 531	PURJZHF	4	x	0,340	61	+L	=642BE010M02	-B1	+L	=642BE010M02	-X5
73	=642VS020-W 101	NYYJ	4	x	2,500	62	+L	=642VS020	-M1	+	=642VS020	-X1
74	=642BI030-W 501	NYYJ	5	x	1,500	63	+L	=642BI030	-A1	+	=642BI030	-X5
75	=642BI030-W 502	NYYJ	5	x	1,500	63	+L	=642BI030	-A2	+	=642BI030	-X5
76	=642BI030-W 503	NYYJ	5	x	1,500	63	+L	=642BI030	-A3	+	=642BI030	-X5
77	=642FN165-W 101	NYYJ	4	x	95,000	65	+L	=642FN165	-M1	+	=642FN165	-X1
78	=642FN165-W 750	NYYJ	3	x	1,500	65	+L	=642FN165	-R1	+	=642FN165	-X7
79	=642 61-W 101	NYYJ	4	x	2,500	66	+L	=642 61	-M1	+	=642 61	-X1
80	=642RF162-W 101	NYYJ	4	x	2,500	67	+L	=642RF162	-M1	+	=642RF162	-X1
						cable list Kabelliste			pages Blattzahl	4		
									page Blatt	2		

item no. Pos.	cable name Kabelname	cable type Kabeltype	number of cores/cross section Aderanzahl/Querschnitt			page Blatt	from von			to nach		
81	=642BF160-W 401	NYYJ	3	x	4,000	64	+L	=642BF160	-A1	+	=642BF160	-X4
82	=642BF160-W 501	NYYJ	7	x	1,500	64	+L	=642BF160	-A2	+	=642BF160	-X5
83	=642BF160-W 502	NYYJ	3	x	1,500	64	+L	=642BF160	-ES001	+	=642BF160	-X5



item no. Pos.	cable name Kabelname	cable type Kabeltype	number of cores/cross section Aderanzahl/Querschnitt	page Blatt	from von	to nach
1	=642PM052A01-WI 901	UC600SS2314P	8 x 0,240	18	+L =642PM052A01 -X	+ =642PM052A01 -SC