



Stromlaufplan
Circuit diagram

Projekt Project	909100-00468	Artikelnr. Article no.	6186220X
Modell Model	cBoxX 100	Revision Revision	Kd
Dok. Nr. Doc. no.	81707601.Kd		
<u>Technische Daten Technical data</u> Bemessungsspannung Rated voltage460Y/265 V +10%, 3 phase Frequenz Frequency60Hz Steuerspannung Control voltage24V DC Anschlussleistung Connected loadca. 46kW Volllaststrom Full-load currentca. 66A Max. Vorsicherung Max. pre-fuseClass J, 600V AC, 100A		<u>Drahtfarben Colors of wiring</u> Hauptstromkreis Main circuitBKschwarz black Schutzleiter Protective conductorGNYEgrün-gelb green-yellow Steuerspannung 24V DC Control voltage 24V DCDKBUdunkelblau dark blue Steuerspannung 0V DC Control voltage 0V DCDKBUWHdunkelblau-weiß dark blue-white Steuerspannung 24/230V AC Control voltage 24/230V ACRDrot red Steuerspannung 0V AC Control voltage 0V ACRDWHrot-weiß red-white Fühlerleitung Sensor conductorWHweiß white Pot. freie Verdrahtung Wiring without potentialOGorange orange	
<u>Achtung!</u> <u>Warning!</u> Vor Inbetriebnahme alle Klemmpunkte mit Schrauben nachziehen! Tighten all clamping points with screws before commissioning! Bei unbefugten Eingriffen in die Verdrahtung erlischt unsere Gewährleistung! In the event of unauthorized interference with the wiring, our warranty expires! Der Schaltplan ist Bestandteil des Schaltschranks gleicher Baunummer und sollte nicht daraus entfernt werden, damit er im Notfall sofort verfügbar ist! The circuit diagram is a part of the switch cabinet with matching build number, so it should not be removed and should always be available on short notice in case of emergency!			

Strukturkennzeichenübersicht

Structure identifier overview

Vollständige Bezeichnung Full designation	Strukturbeschreibung Structure description
&EAA	Verwaltungstechnische Dokumente Administrative documents
&EAB	Inhaltsverzeichnis Table of contents
&ETB	Schaltschrankaufbau Control cabinet layout
&EPL	Feldgeräteplatzierung Field device placement
&EFS	Schaltplan Circuit diagram
&EPC	Artikelstückliste Parts list
&EMA	Klemmenplan Terminal diagram
&EMB	Kabelübersicht Cable overview
&EMZ	Kabelplan Cable diagram
&EPA	Zuschnittsliste Cutting list
=MA1	Maschine 1 Machine 1
=MA2	Maschine 2 Machine 2
+SS1	Schaltschrank 1 Control cabinet 1
+KK1	Klemmenkasten 1 Terminal box 1
+MR1	Maschinenraum 1 Machine room 1

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Dok.-art Doc. type	Anlage Higher-level function	Einbauort Mounting location	Blatt Sheet	Seitenbeschreibung Page description
&EAA				Verwaltungstechnische Dokumente Administrative documents
			1	Titel- / Deckblatt Title page / cover sheet
			2	Revisionsbeschreibung Revision description
			3	Strukturkennzeichenübersicht Structure identifier overview
&EAB				Inhaltsverzeichnis Table of contents
			1	Inhaltsverzeichnis Table of contents
			2	Inhaltsverzeichnis Table of contents
			3	Inhaltsverzeichnis Table of contents
&ETB				Schaltschrankaufbau Control cabinet layout
	=MA1			Maschine 1 Machine 1
	+SS1		1	Montageplatte Mounting panel
	+SS1		2	Tür außen Door outside
	+SS1		3	Tür innen Door inside
	+SS1		4	Boden außen Bottom outside
	+SS1		5	Seitenwand links außen Side wall left outside
&EPL				Feldgeräteplatzierung Field device placement
	=MA1			Maschine 1 Machine 1
			1	Feldgeräteplatzierung Field device placement
&EFS				Schaltplan Circuit diagram
	=MA1			Maschine 1 Machine 1
	+SS1		1	Einspeisung Power supply
	+SS1		2	Steuerspannung Control voltage
	+SS1		3	Verteilung PE Distribution PE
	+SS1		4	Phasenüberwachung (PÜ) Phase monitoring (PÜ)
	+SS1		5	Schaltschrankheizung (SH-S) Control cabinet heating (SH-S)

Inhaltsverzeichnis

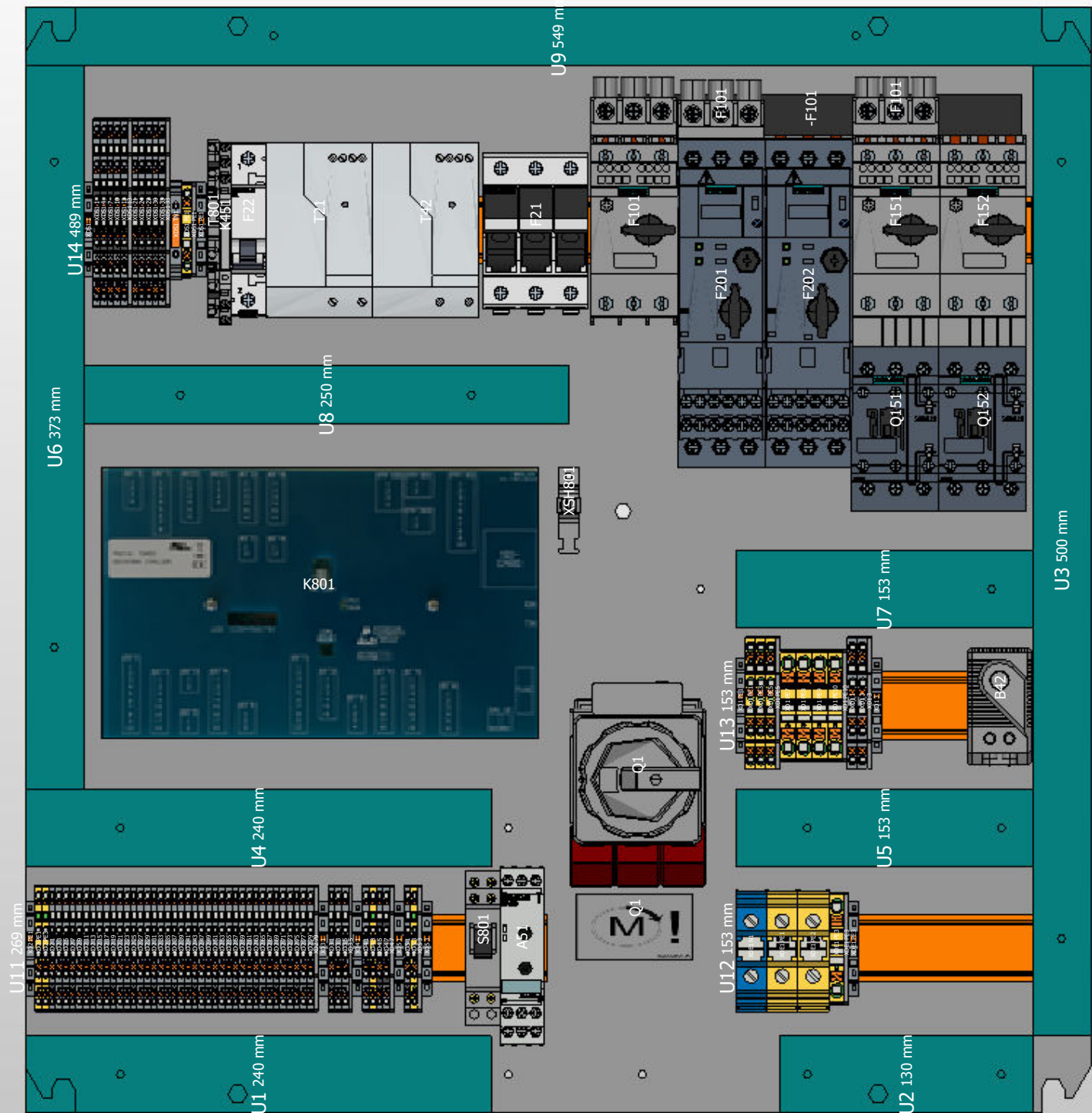
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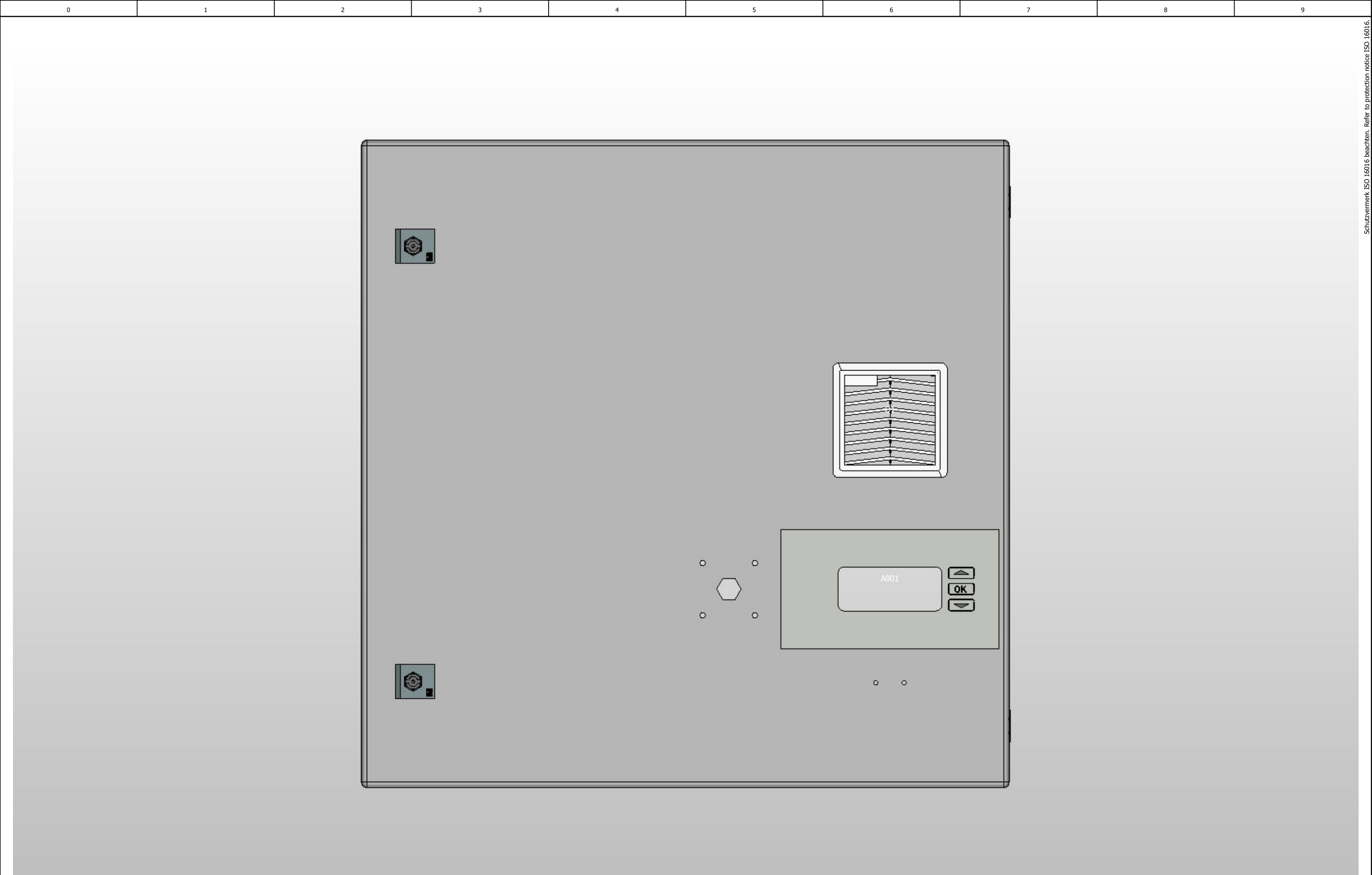
Dok.-art Doc. type	Anlage Higher-level function	Einbauort Mounting location	Blatt Sheet	Seitenbeschreibung Page description
&EFS				Schaltplan Circuit diagram
	=MA1			Maschine 1 Machine 1
		+SS1	6	Tankheizung (TH) Tank heater (TH)
		+SS1	7	Heißgas Bypass (HB) Hot gas bypass (HB)
		+SS1	8	Automatische Nachspeisung (AN) Automatic feeding (AN)
		+SS1	9	Energiesparsystem (ESS) Energy-saving system (ESS)
		+SS1	10	Leitfähigkeit (LW) Conductivity (LW)
		+SS1	11	Motorklappe (MK) Motor flap (MK)
		+SS1	12	Pumpe 1 (P1-2) Pump 1 (P1-2)
		+SS1	13	Pumpe 2 (P2-2) Pump 2 (P2-2)
		+SS1	14	Verdichter (2xV-2) Compressor (2xV-2)
		+SS1	15	Kondensatorlüfter Condenser fan
		+SS1	16	Bedienpanel Control panel
		+SS1	17	Steuerung Ub Control Ub
		+SS1	18	Steuerung DO Control DO
		+SS1	19	Steuerung AI Control AI
		+SS1	20	Steuerung AO Control AO
		+SS1	21	Interface Interface
		+SS1	22	Interface Interface
		+SS1	23	Steuerung Übersicht Control overview
		+SS1	24	Steuerung Übersicht Control overview
&EPC				Artikelstückliste Parts list
	=MA1			Maschine 1 Machine 1
			1	Artikelstückliste Parts list
			2	Artikelstückliste Parts list
			3	Artikelstückliste Parts list

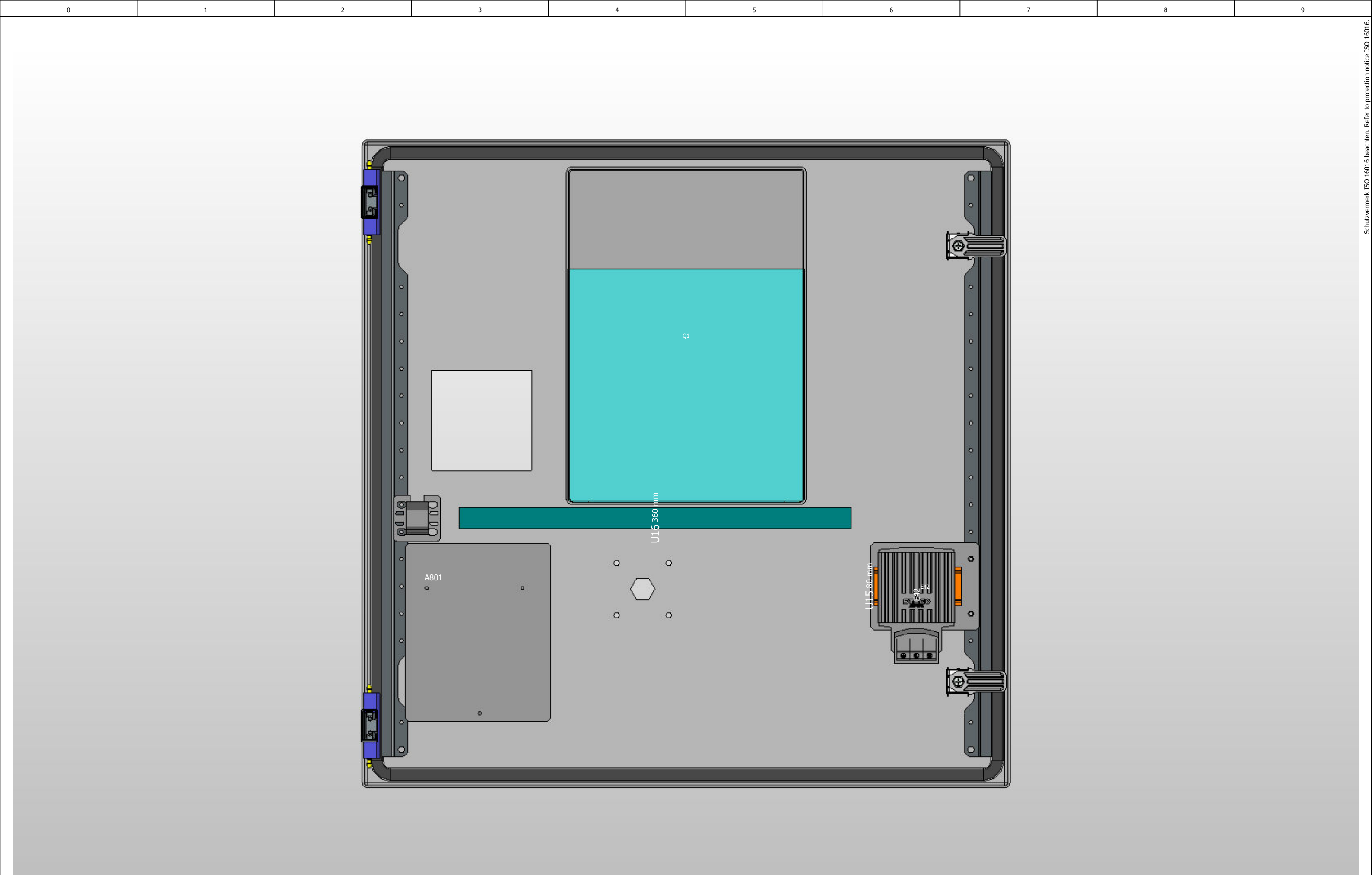
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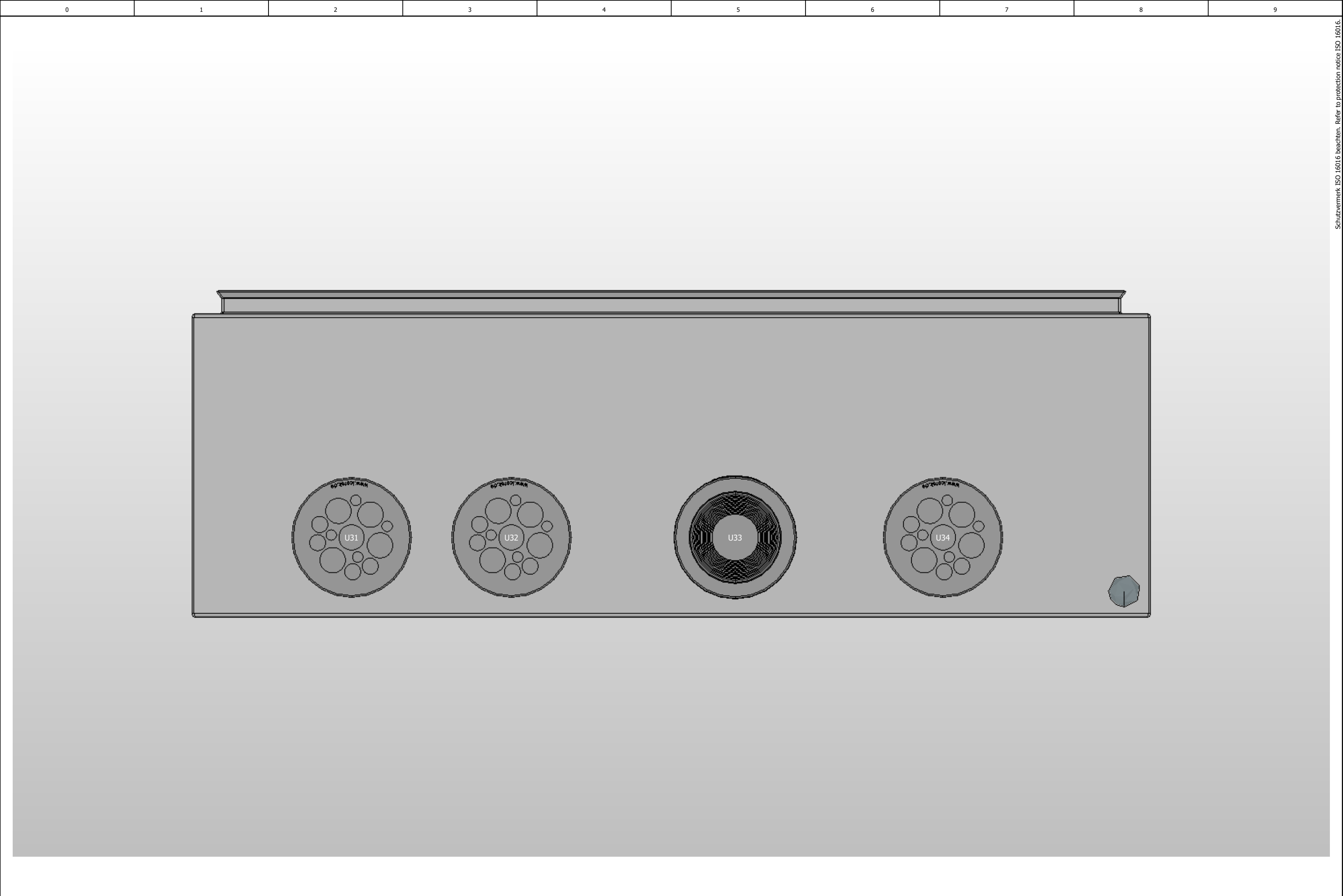
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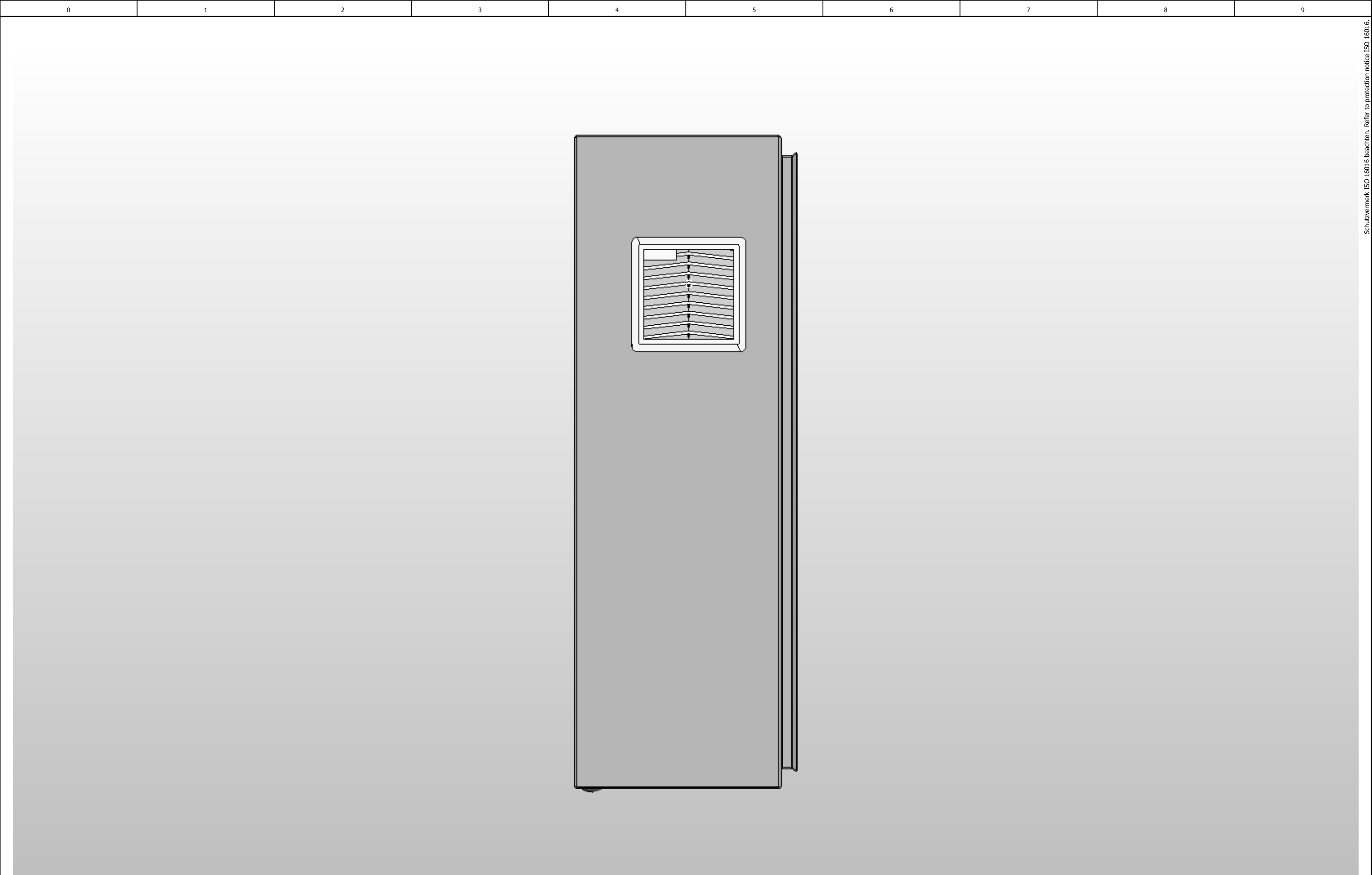
Dok.-art Doc. type	Anlage Higher-level function	Einbauort Mounting location	Blatt Sheet	Seitenbeschreibung Page description
&EMA				Klemmenplan Terminal diagram
	=MA1			Maschine 1 Machine 1
			1	Klemmenplan Terminal diagram
			2	Klemmenplan Terminal diagram
			3	Klemmenplan Terminal diagram
			4	Klemmenplan Terminal diagram
			5	Klemmenplan Terminal diagram
			6	Klemmenplan Terminal diagram
			7	Klemmenplan Terminal diagram
			8	Klemmenplan Terminal diagram
			9	Klemmenplan Terminal diagram
			10	Klemmenplan Terminal diagram
			11	Klemmenplan Terminal diagram
			12	Klemmenplan Terminal diagram
&EMB				Kabelübersicht Cable overview
	=MA1			Maschine 1 Machine 1
			1	Kabelübersicht Cable overview
&EMZ				Kabelplan Cable diagram
	=MA1			Maschine 1 Machine 1
			1	Kabelplan Cable diagram
			2	Kabelplan Cable diagram
&EPA				Zuschnittsliste Cutting list
	=MA1			Maschine 1 Machine 1
			1	Zuschnittsliste Cutting list











Feldgeräteplatzierung

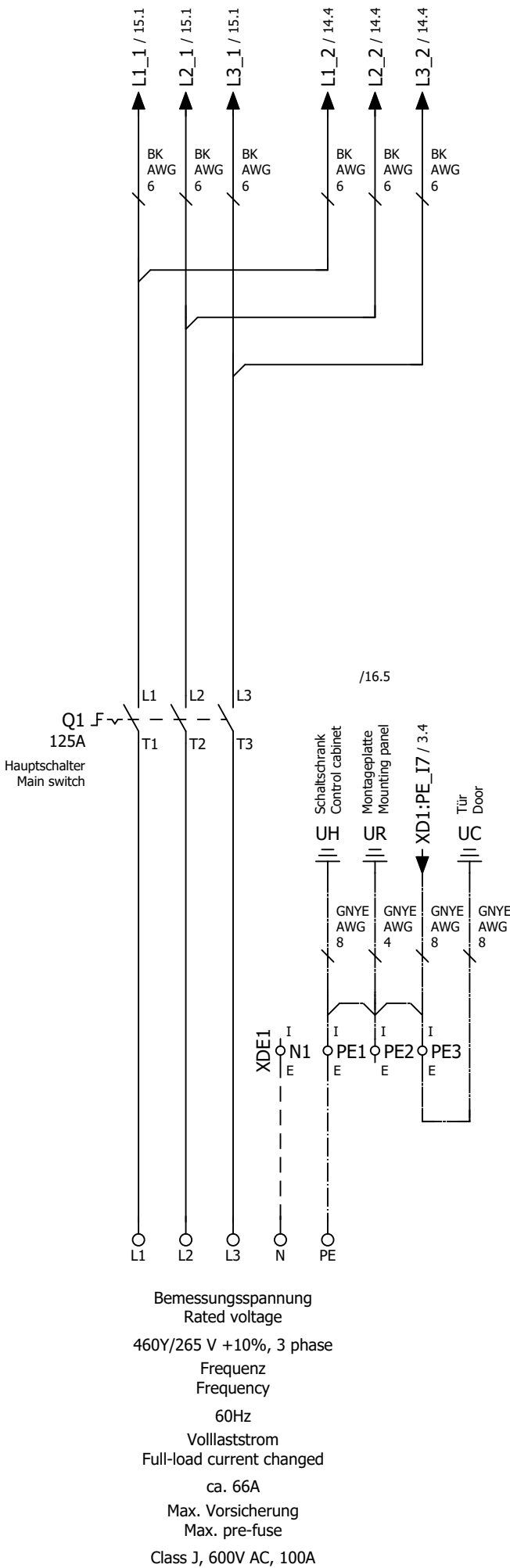
Field device placement

Betriebsmittelkennzeichen Device tag	Platzierung Placement
+MR1-B201	&EFS=MA1+SS1/12
+MR1-B402	&EFS=MA1+SS1/19
+MR1-B403	&EFS=MA1+SS1/19
+MR1-B451	&EFS=MA1+SS1/18
+MR1-B452	&EFS=MA1+SS1/19
+MR1-B453	&EFS=MA1+SS1/19
+MR1-B454	&EFS=MA1+SS1/19
+MR1-E251	&EFS=MA1+SS1/2
+MR1-E252	&EFS=MA1+SS1/2
+MR1-M101	&EFS=MA1+SS1/15
+MR1-M102	&EFS=MA1+SS1/15
+MR1-M151	&EFS=MA1+SS1/14
+MR1-M152	&EFS=MA1+SS1/14
+MR1-M201	&EFS=MA1+SS1/12
+MR1-M202	&EFS=MA1+SS1/13
+MR1-M352	&EFS=MA1+SS1/7
+MR1-M354	&EFS=MA1+SS1/20

Betriebsmittelkennzeichen Device tag	Platzierung Placement
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Betriebsmittelkennzeichen Device tag	Platzierung Placement
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Betriebsmittelkennzeichen Device tag	Platzierung Placement
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ACHTUNG
WARNING

Nur Einzeladern gemäß UL 508A / NFPA 79 mit einer zulässigen Betriebstemperatur von +105°C verwenden!
Use only single conductors conformable to UL 508A / NFPA 79 with an allowable operating temperature of +105°C!

Sammelschienensysteme
Busbars

Klemmenleistendefinitionen
Terminal strip definitions

XDE1 = Einspeisung
Power supply
XDS1 = Steuerspannungsverteilung
Control voltage distribution
XD1 = Verteilung PE
Distribution PE
XD2 = Steuerkreis
Control circuit
XD3 = Interface
Interface
XD4 = Fernbedienung
Remote control
XD5 = Motorklappe
Motor flap

Reserveklemmen
Reserve terminals

XD2 ⌀39
E

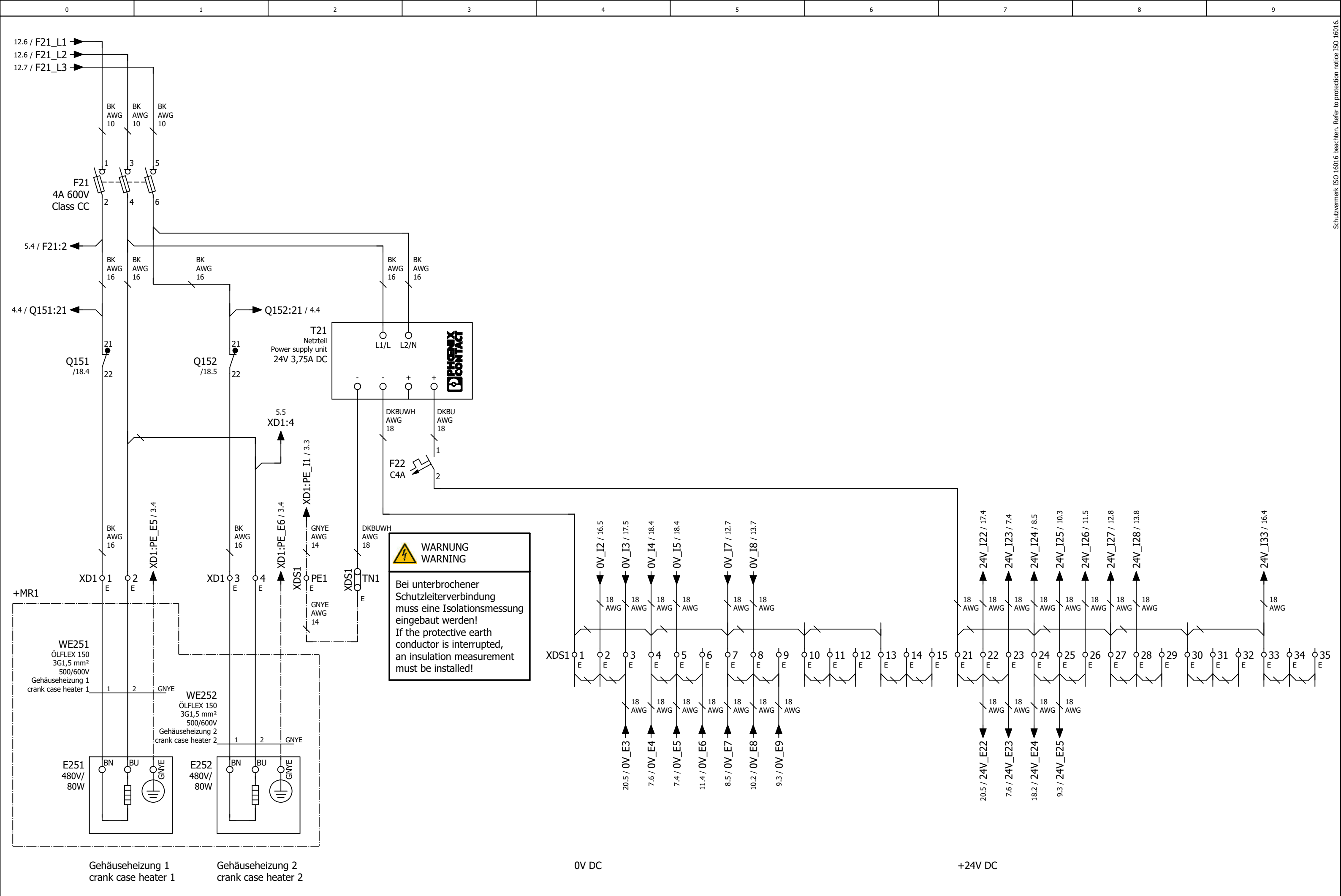
⌀40
E

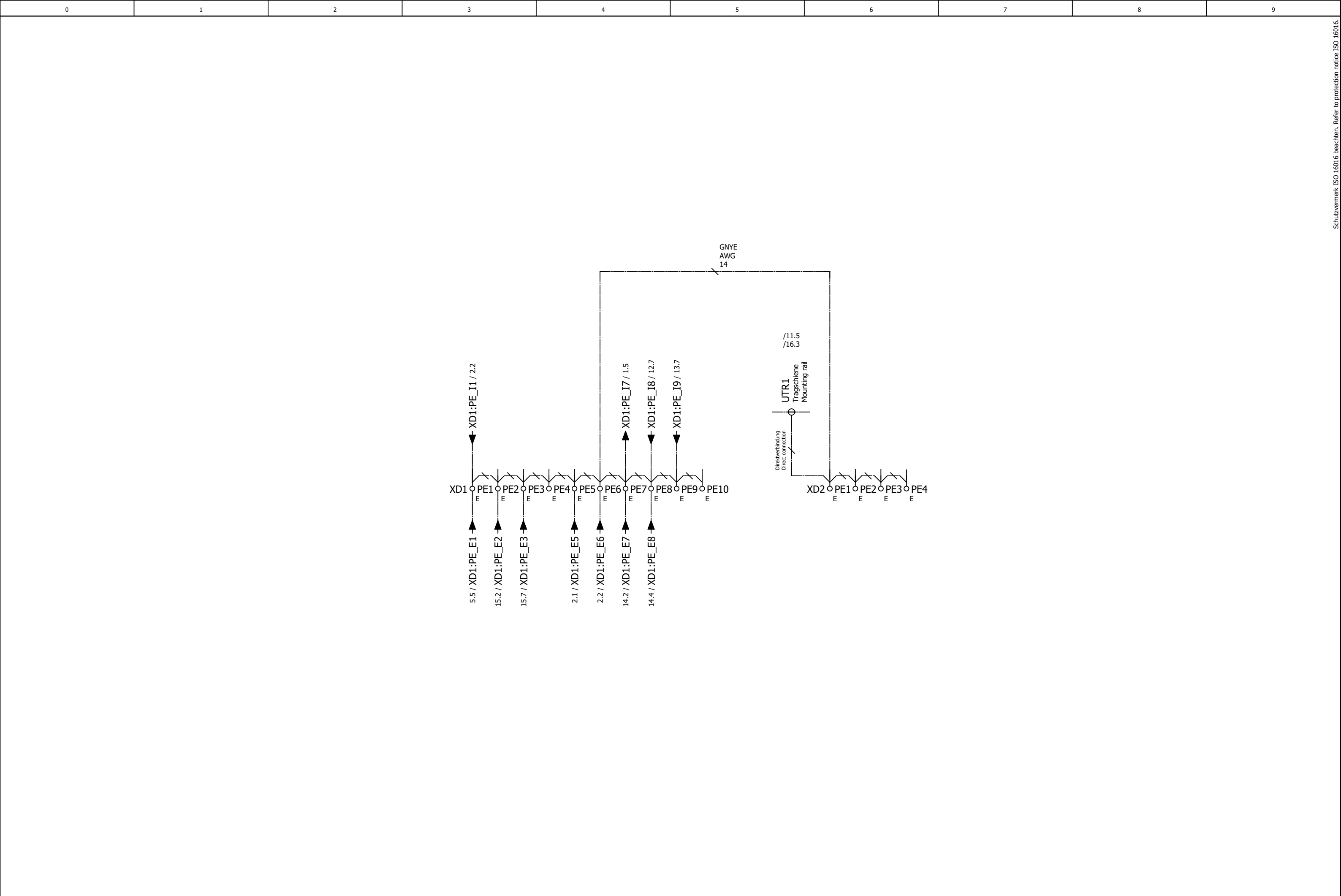
XD2 ⌀77
E

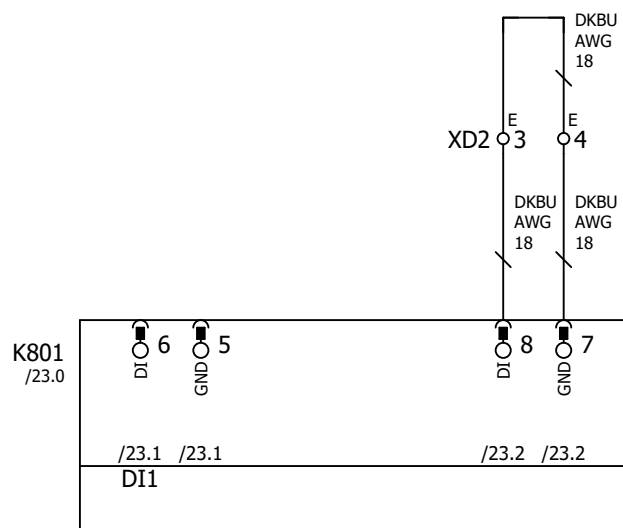
⌀78
E

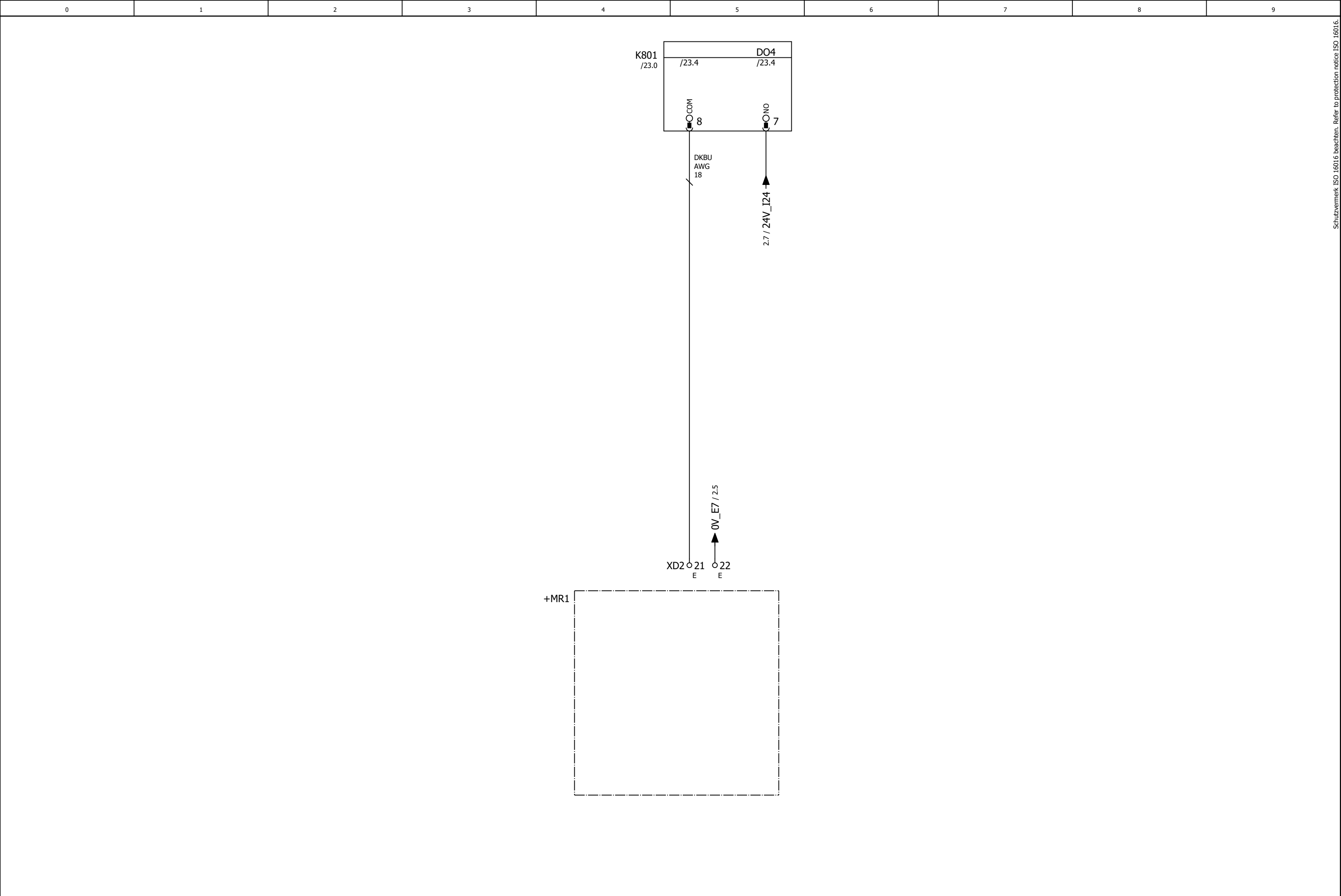
⌀79
E

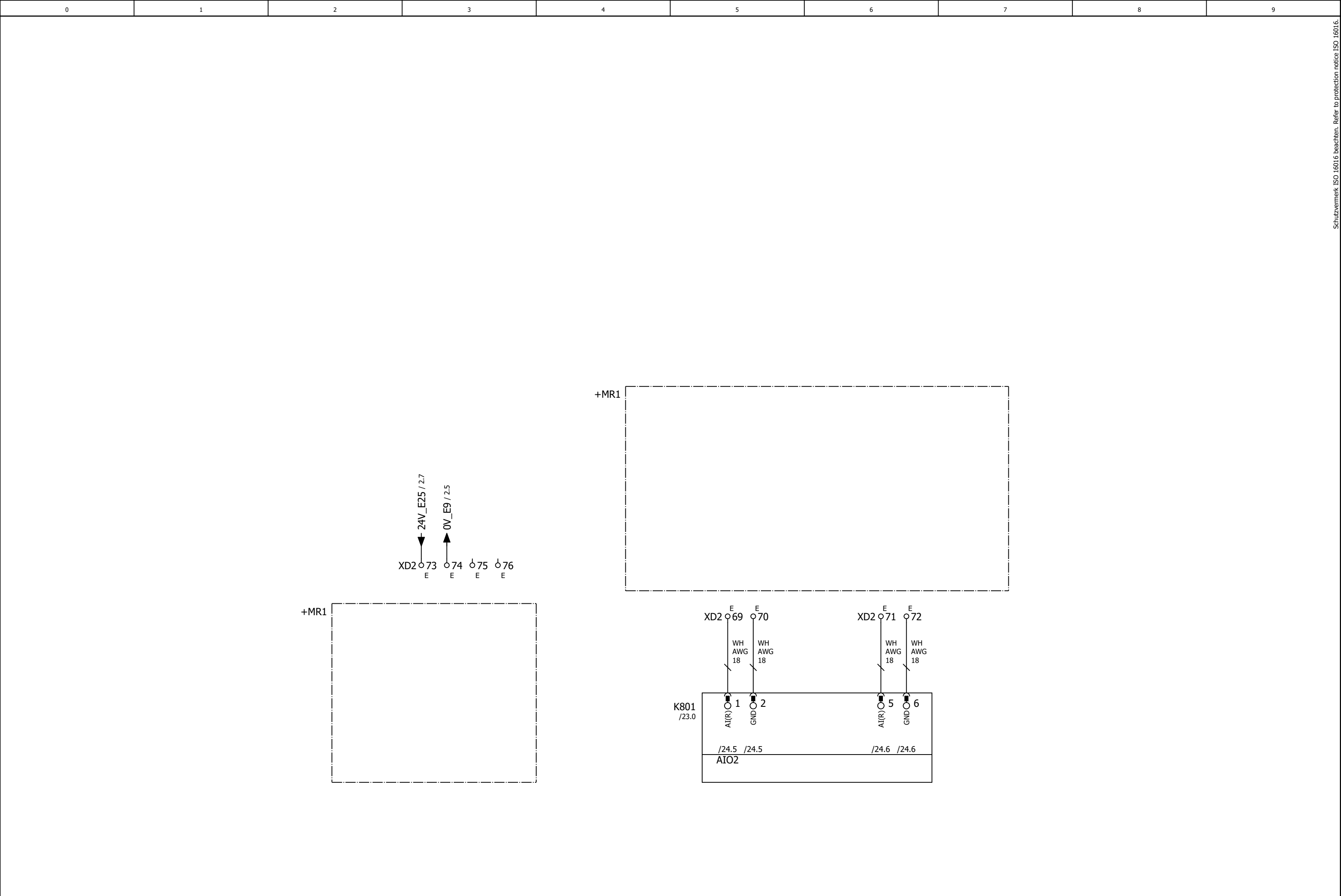
⌀80
E

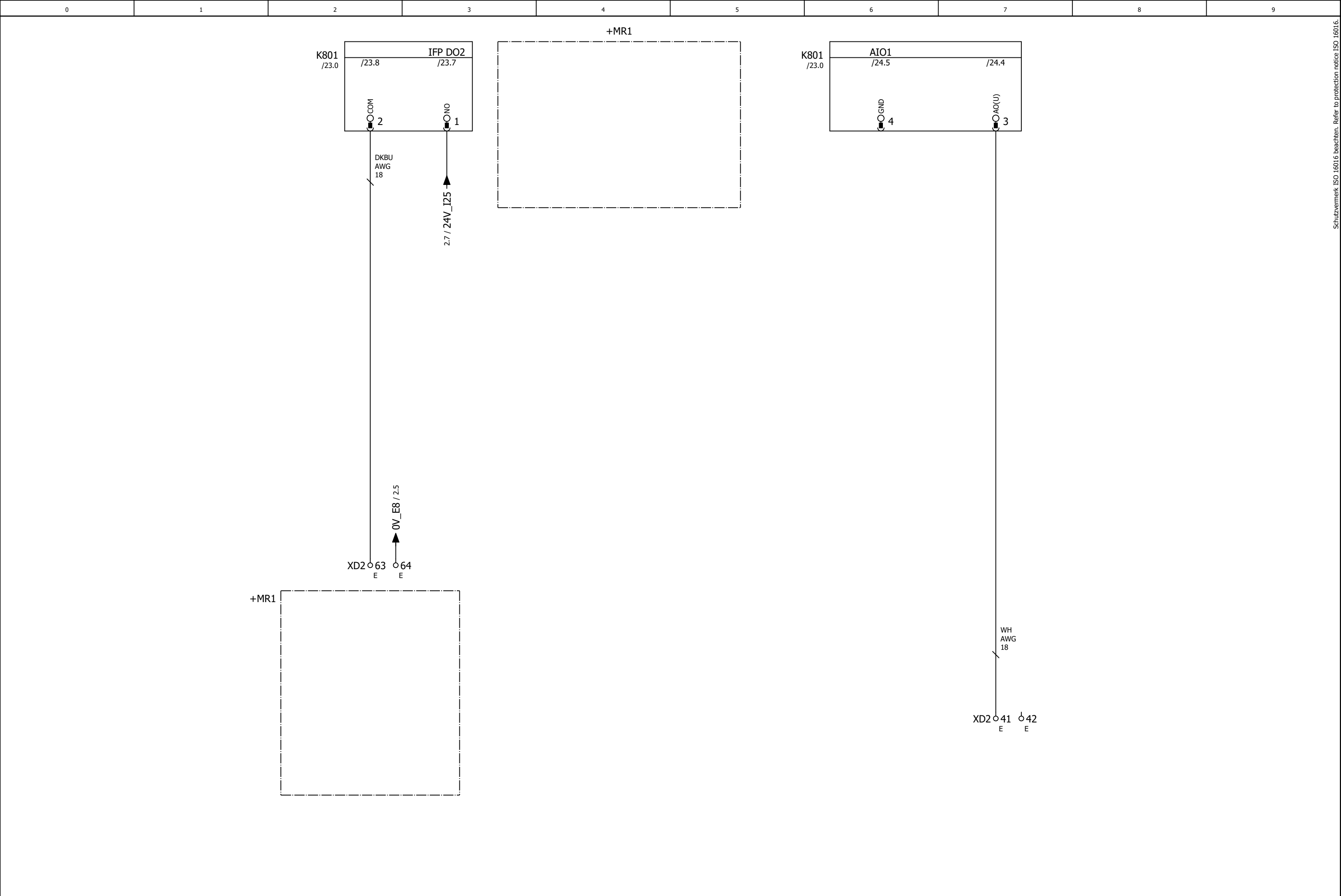


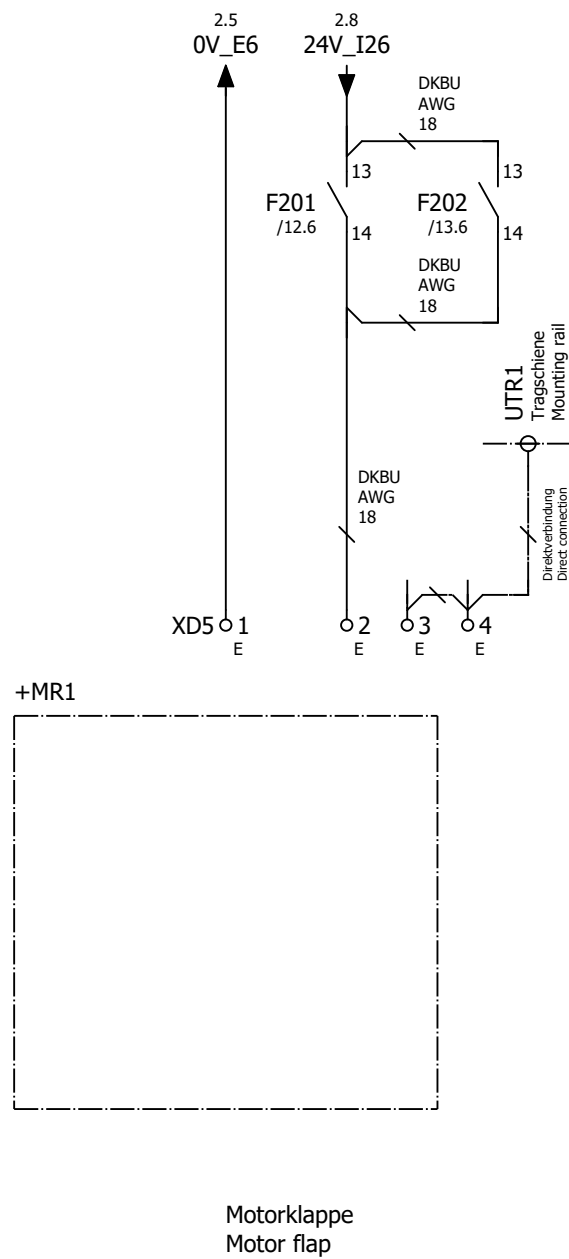




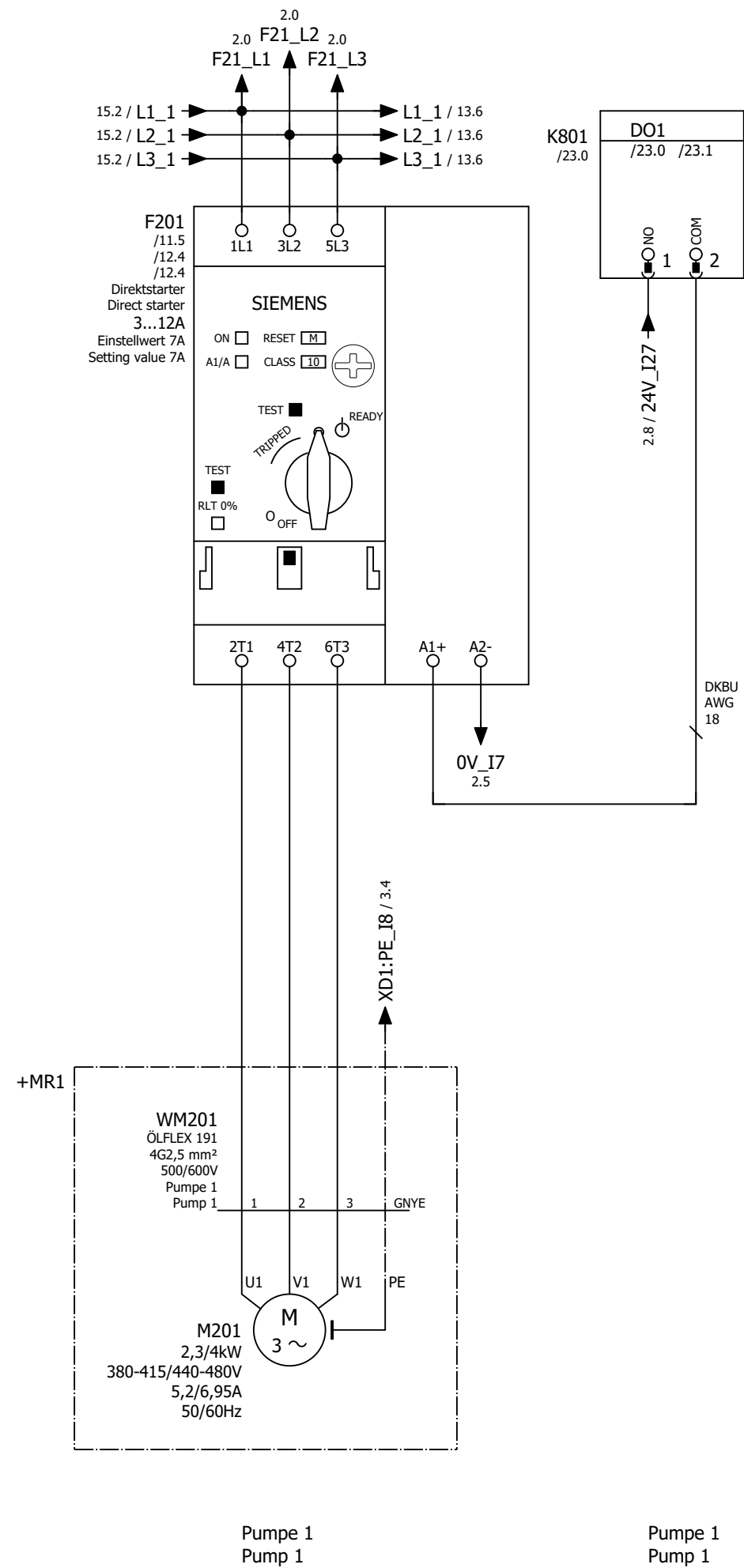
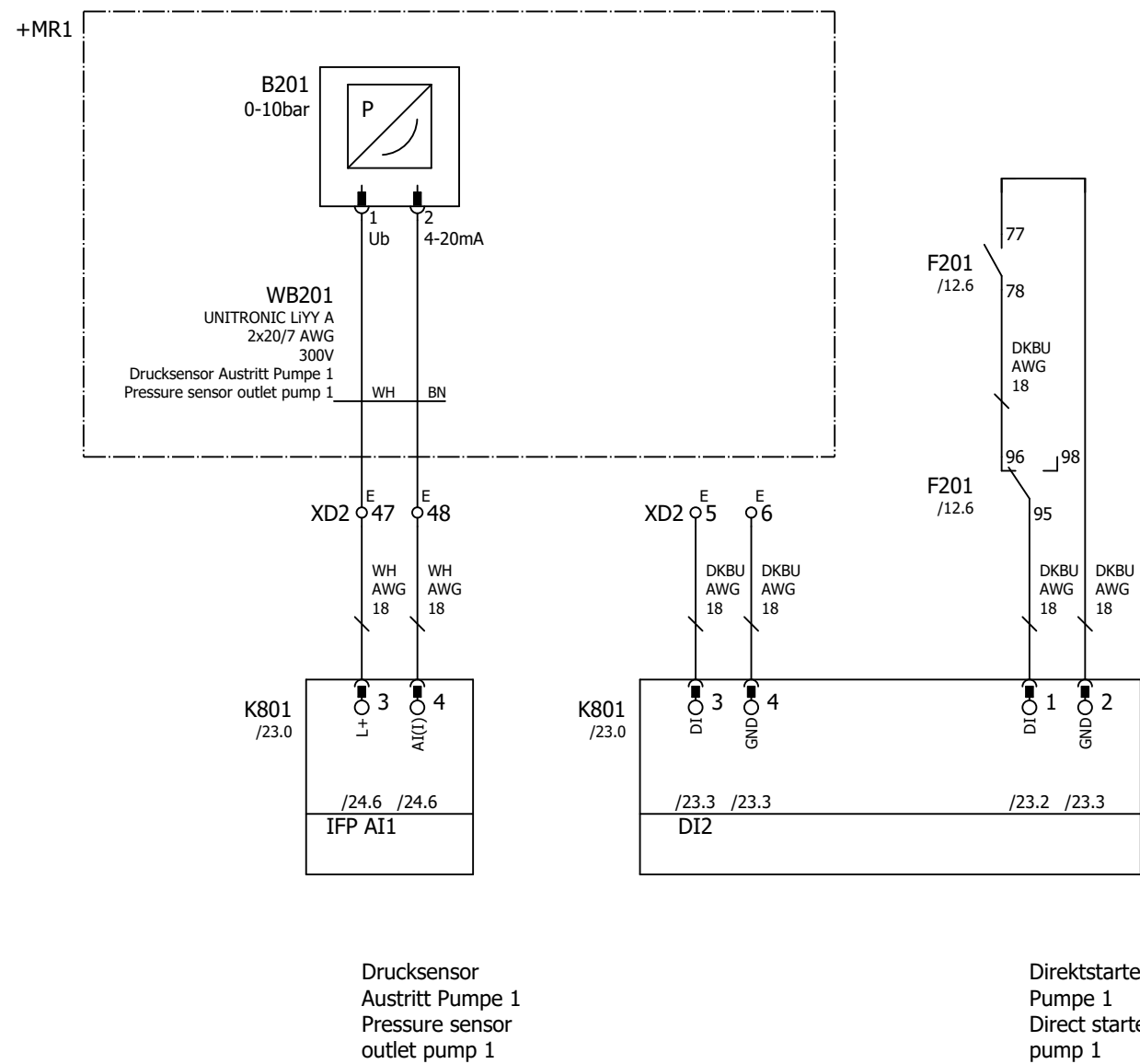




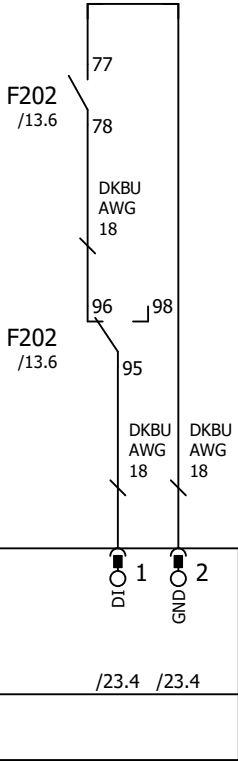
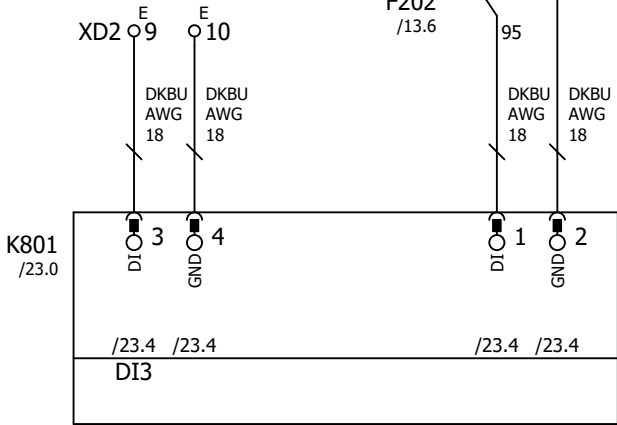
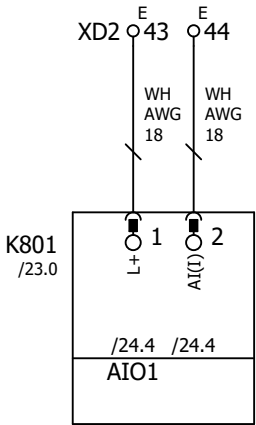




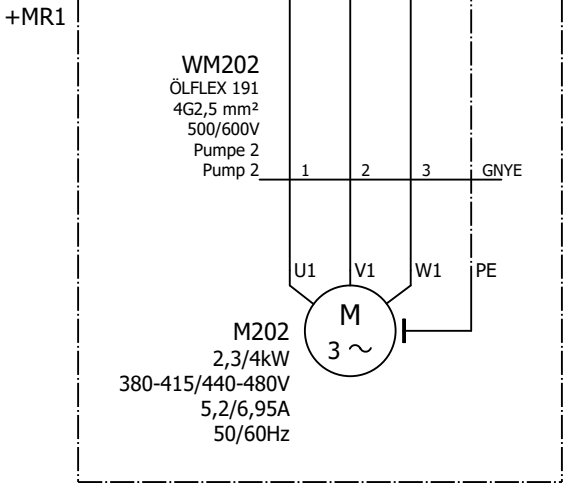
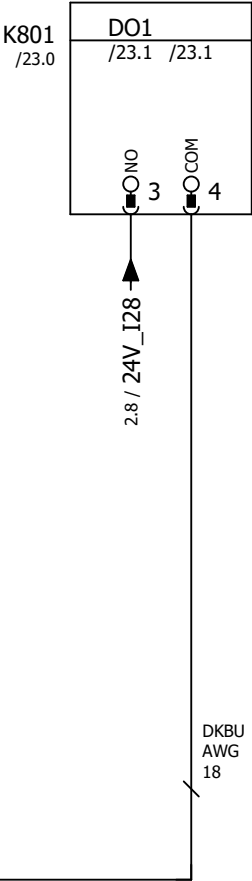
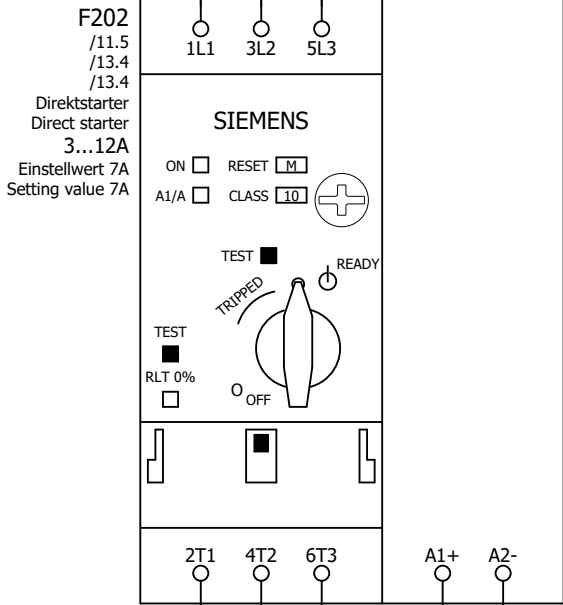
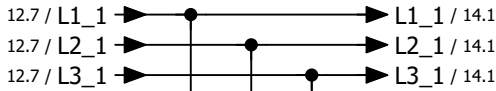
Ersteller Creator	MAP	Geprüft von Checked by	MAP	KKT chillers a brand of ait - deutschland GmbH		Stromlaufplan Circuit diagram	Artikelnr. Article no.	6186220X	&EFS		
Erstellt am Created on	22.06.2020						Revision Revision	Kd	=MA1	+SS1	
Geändert von Changed by	MAP						Motorklappe (MK) Motor flap (MK)	Dok. Nr. Doc. no.	81707601.Kd	Blatt Sheet	11
Geändert am Changed on	22.06.2020							Code	GB-1.2S/P1-2/P2-2/2xV-2/SH-S/PÜ/HB/UL/	Seite Page	23 / 55



+MR1

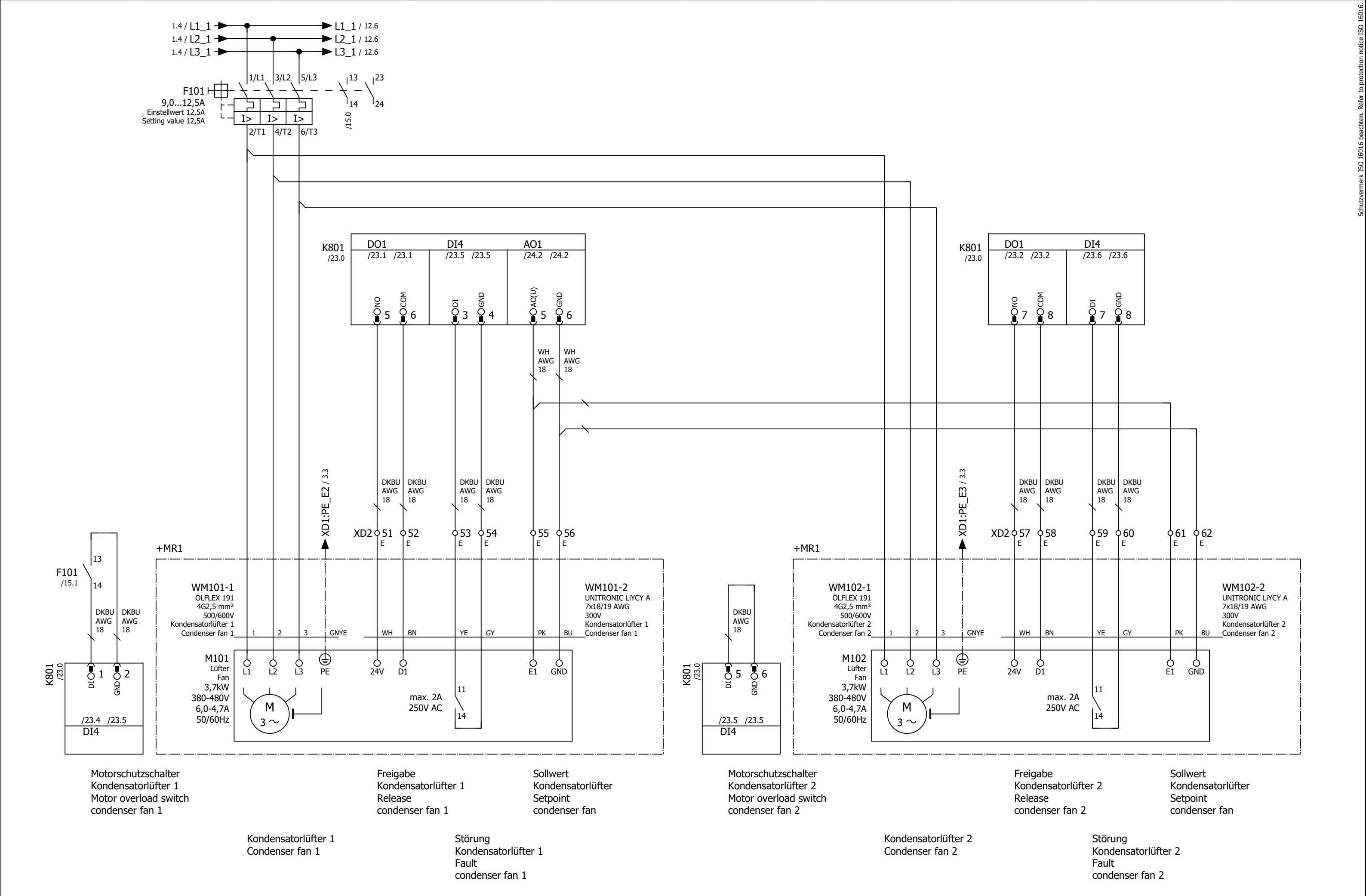


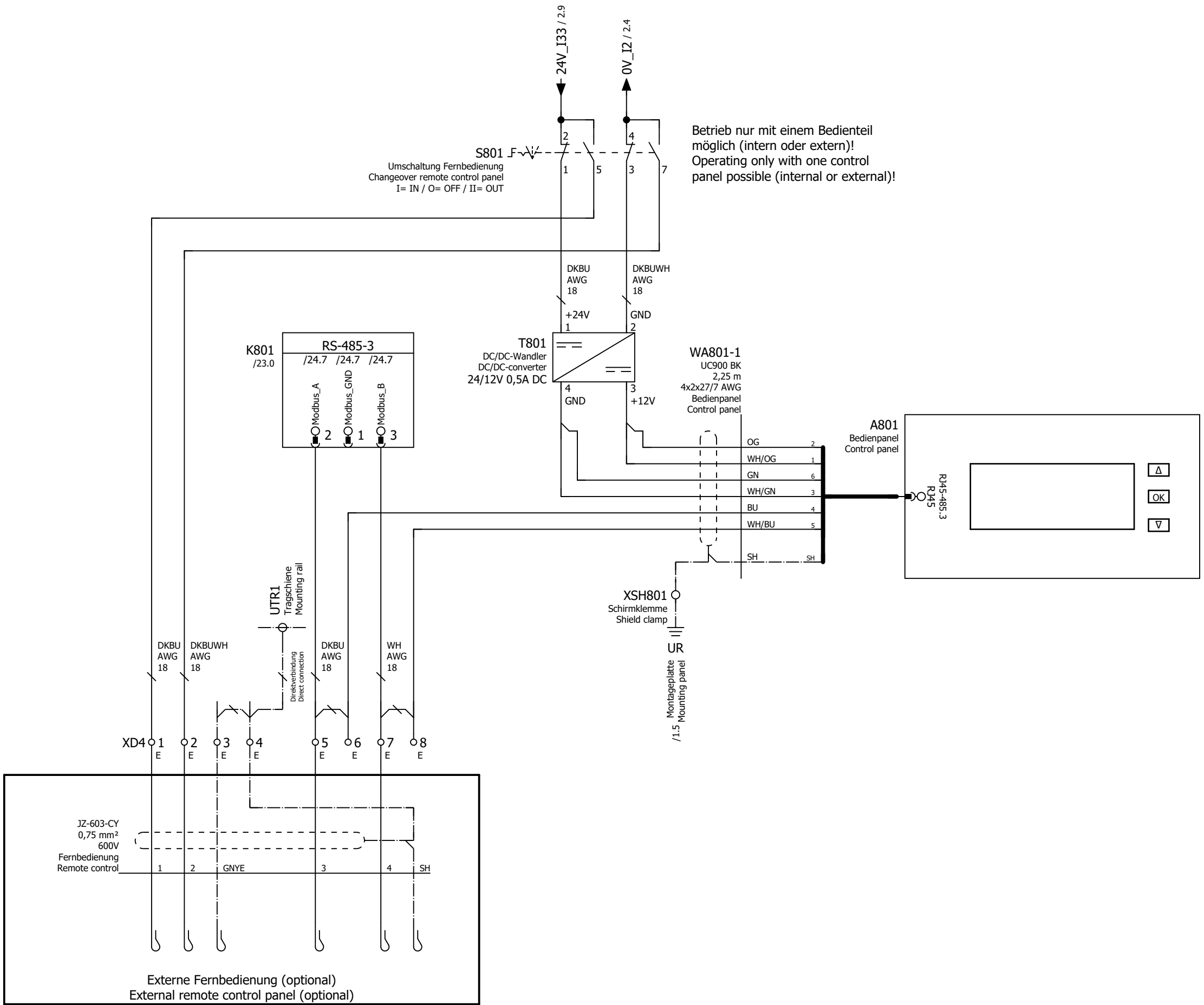
Direktstarter
Pumpe 2
Direct starter
pump 2

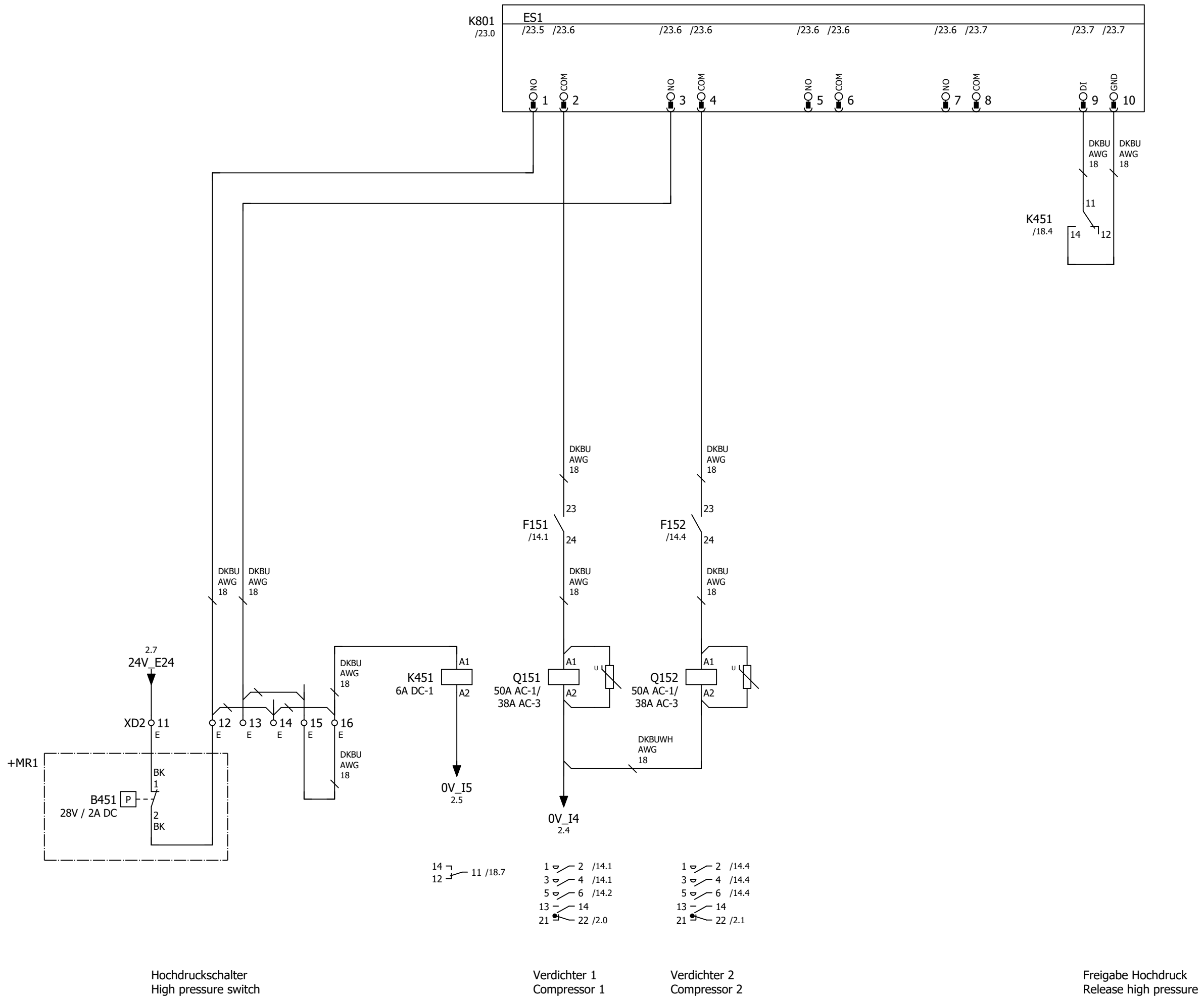


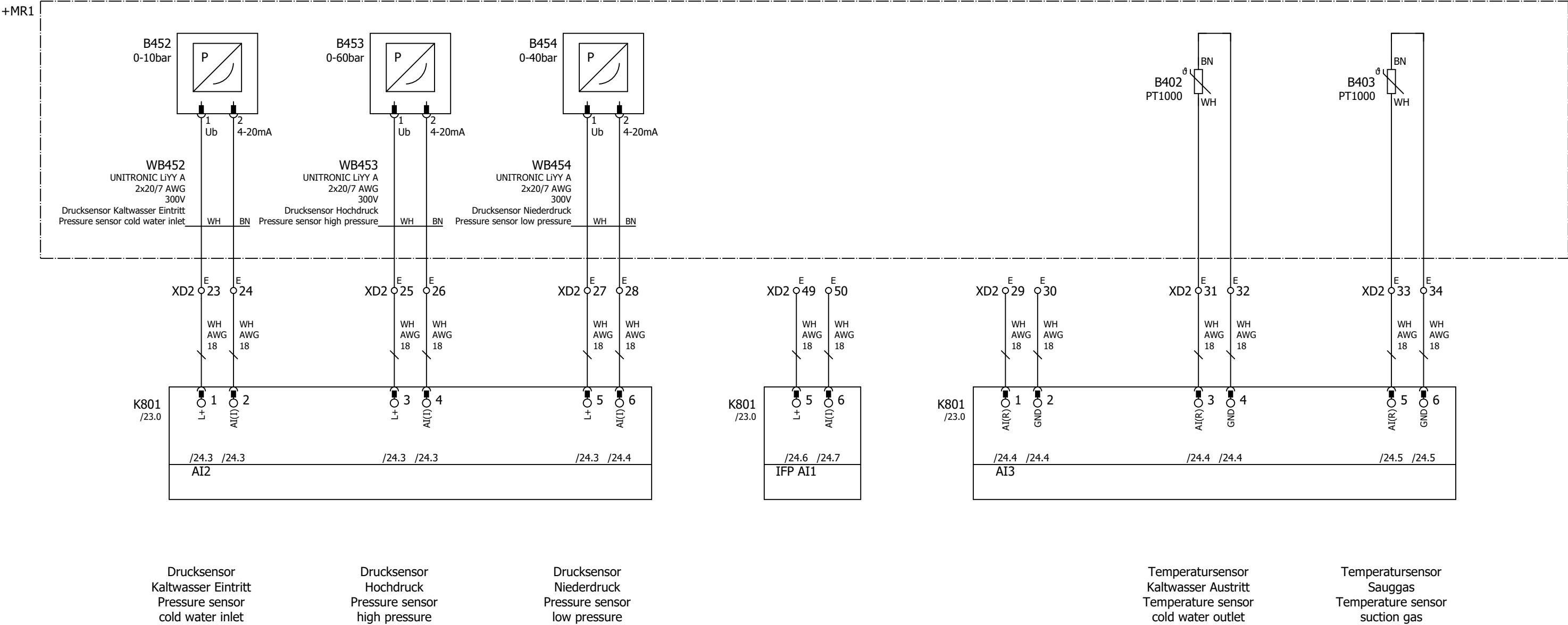
Pumpe 2
Pump 2

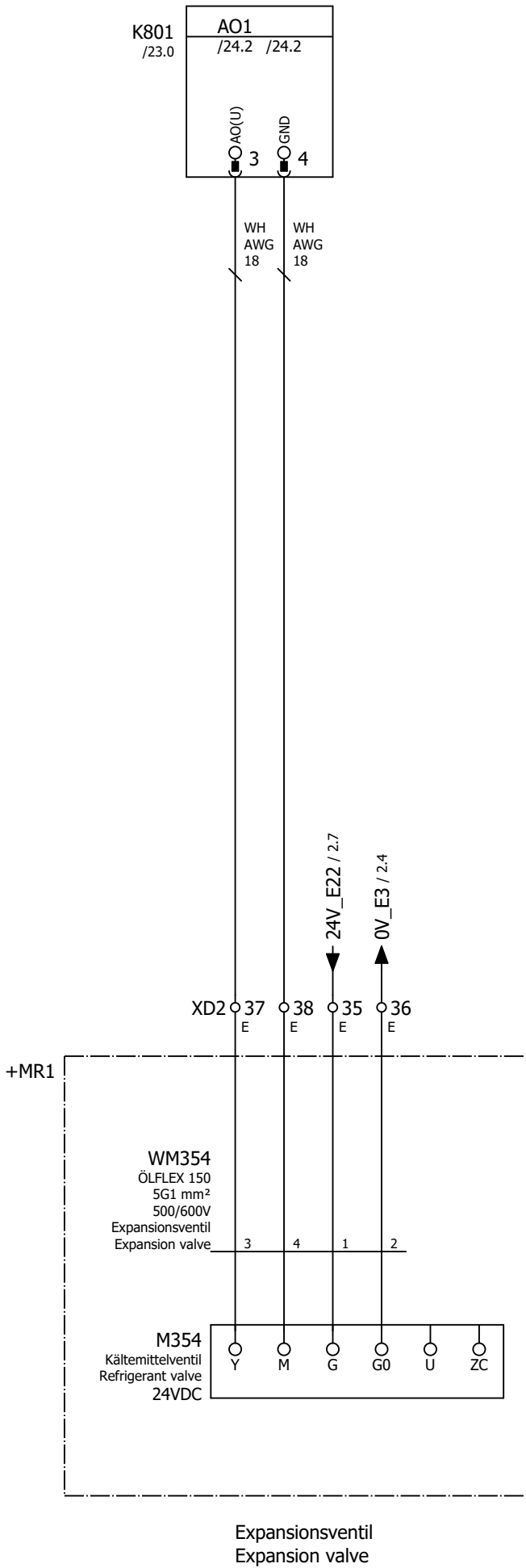
Pumpe 2
Pump 2

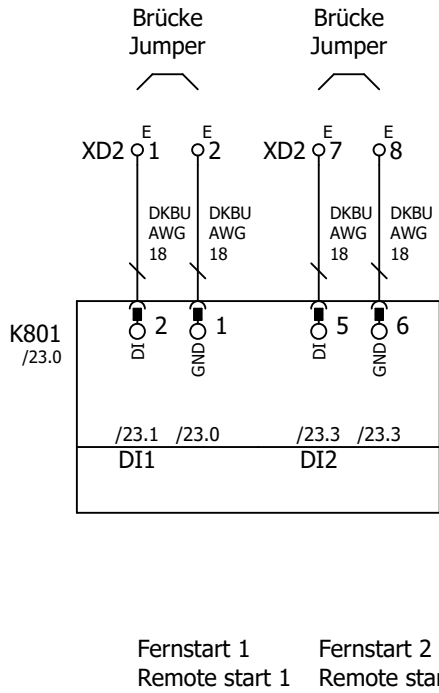






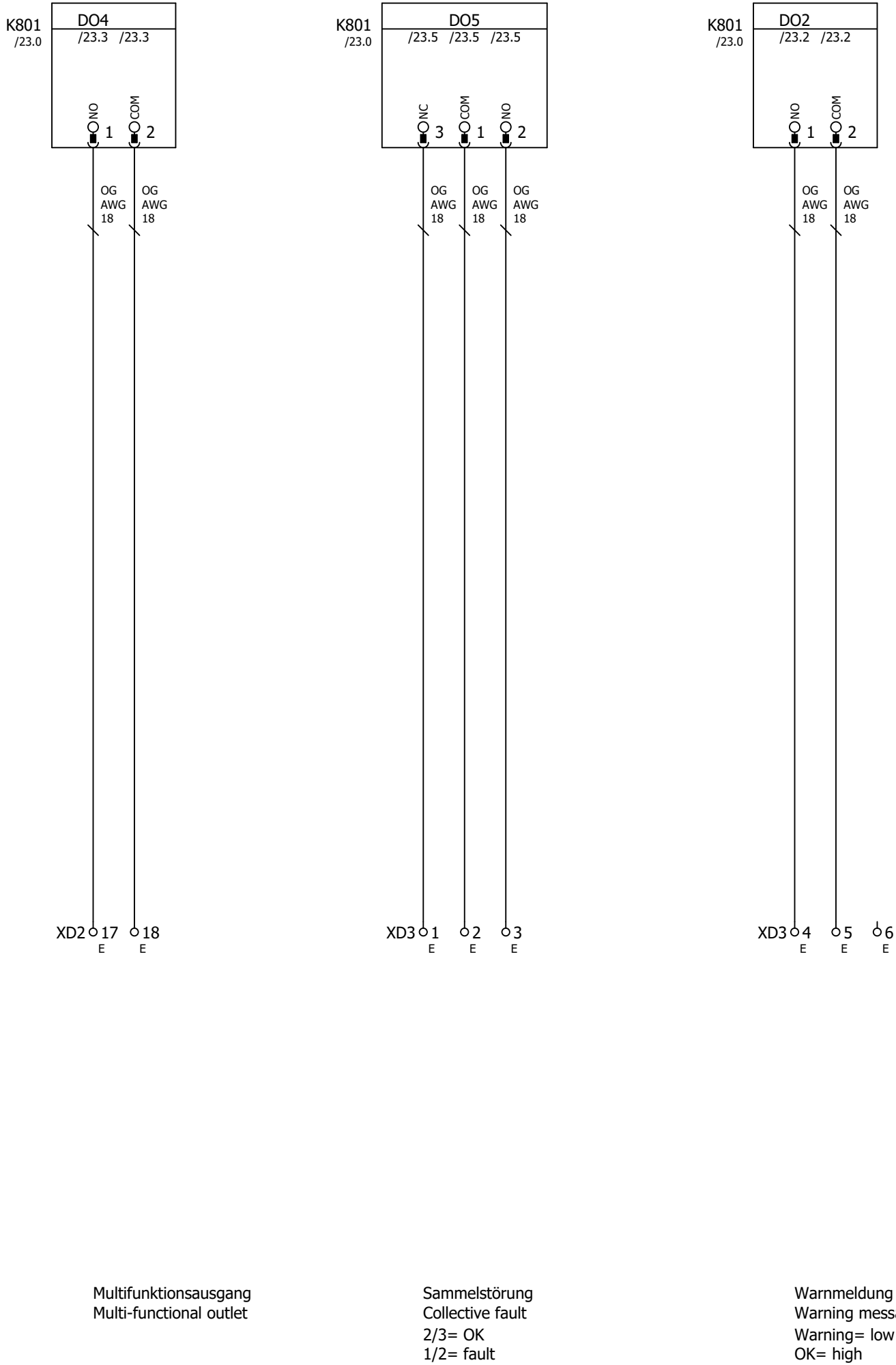


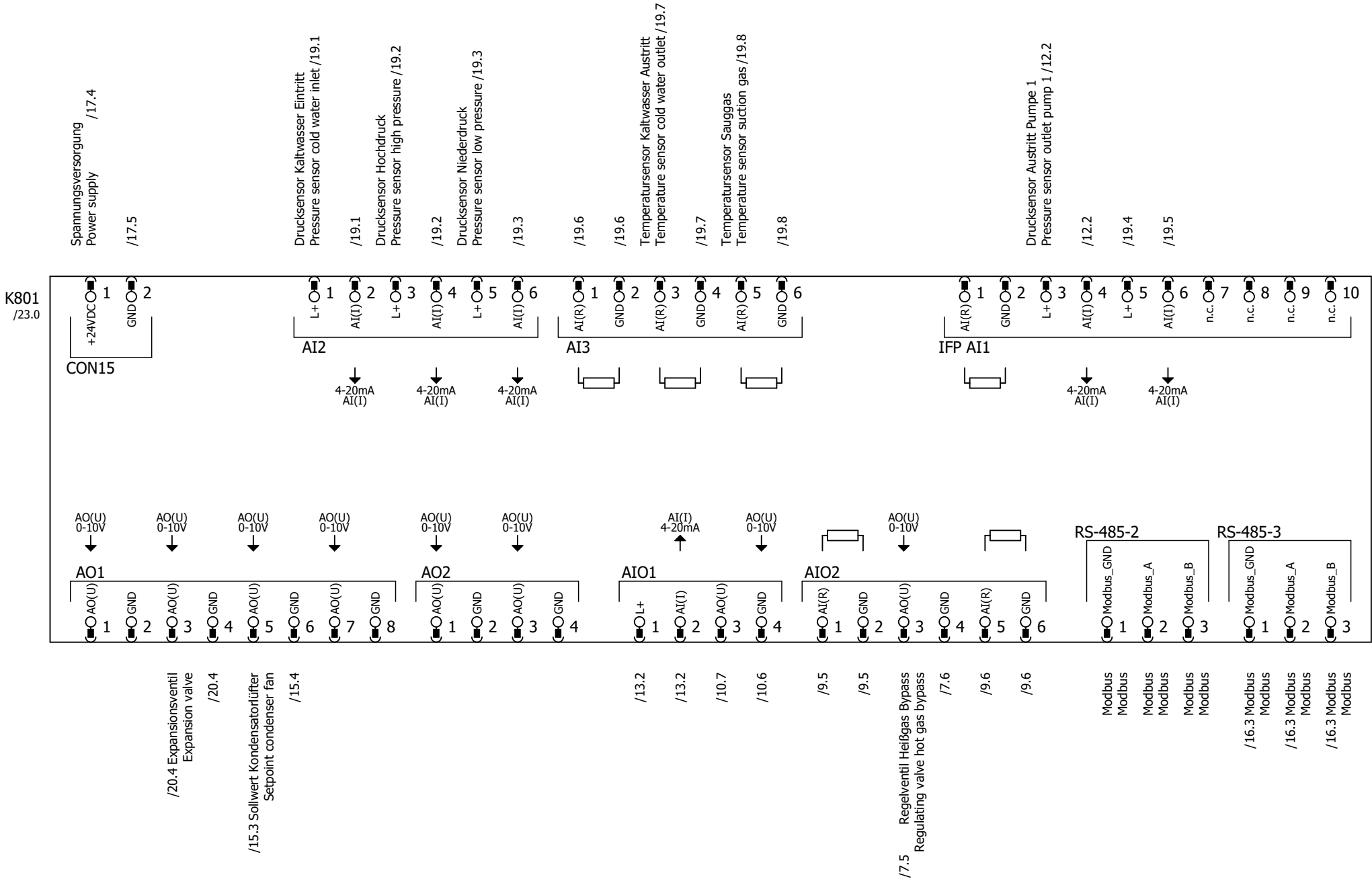




Fernstart 1
Remote start 1

Fernstart 2
Remote start 2





0123456789

Artikelstückliste

Parts list

Betriebsmittelkennzeichen Device tag Platzierung Placement	SAP Nummer SAP number	Menge Quantity ME	Bezeichnung Designation	Technische Kenngröße Technical characteristic Bestellnummer Order number	Hersteller Manufacturer	UL- / CSA-File
+SS1	61761801	1	Schaltschrank Control cabinet	600x600x210 mm RAL7035 AE Y092990	Rittal	E76083
+SS1-A51 &EFS=MA1+SS1/4	61057801	1	Phasenausfallrelais Phase failure relay	160-690V AC 3UG4513-1BR20	Siemens	
+SS1-A801 &EFS=MA1+SS1/16	60711701	1	Bedienpanel Control panel	LUX 2.0 60711701	ait-deutschland GmbH	
+SS1-A801 &EFS=MA1+SS1/16	60992001	1	Folientastatur Membrane keyboard	60992001	ait-deutschland GmbH	
+SS1-A801 &EFS=MA1+SS1/16	61136501	1	Abdeckung Cover	cBoxX 61136501	ait-deutschland GmbH	
+SS1-A801 &EFS=MA1+SS1/16	66632001	1	Schlauchhalter Hose clamp	Ø16mm SZ 2593.000	Rittal	
+SS1-A801 &EFS=MA1+SS1/16	65777501	1	Schutzschlauch Protective hose	Ø16mm 83101610	Murrplastik Systemtechnik GmbH	
+SS1-A801 &EFS=MA1+SS1/16	61136401	3	Abstandshalter Distance piece	6,4mm 06.03.416	Ettinger GmbH	
+SS1-B42 &EFS=MA1+SS1/5	66589501	1	Thermostat Thermostat	NC, 0-60°C 01146.9-00	STEGO Elektrotechnik GmbH	E164102
+SS1-E42 &EFS=MA1+SS1/5	60987501	1	Heizkörper Heating element	12-30V 45W 14012.0-00	STEGO Elektrotechnik GmbH	
+SS1-E42 &EFS=MA1+SS1/5	66825901	1	Isolierschlauch Insulating hose	Ø10mm 08010014010	SES-Sterling GmbH	
+SS1-E42 &EFS=MA1+SS1/5	61771401	1	Halteblech Holding plate	100x80mm 353498	hbk metallbearbeitung gmbh	
+SS1-F21 &EFS=MA1+SS1/2	61123301	1	Sicherungshalter Fuse holder	3p 30A 600V Class CC 3NW7533-0HG	Siemens	E171267
+SS1-F21 &EFS=MA1+SS1/2	61577601	3	Sicherung Fuse	4A 600V Class CC 3NW1040-0HG	Siemens	E258218
+SS1-F22 &EFS=MA1+SS1/2	61058401	1	Leitungsschutzschalter Miniature circuit-breaker	C4A 5SL6104-7	Siemens	
+SS1-F101 &EFS=MA1+SS1/15	60912801	1	Motorschutzschalter Motor overload switch	9,0...12,5 A 3RV2011-1KA10	Siemens	E47705, E156943
+SS1-F101 &EFS=MA1+SS1/15	61019701	1	Hilfsschalter Auxiliary switch	2NO 3RV2901-2F	Siemens	
+SS1-F101 &EFS=MA1+SS1/15	61293901	3	Einspeiseklemme Feed in terminal	S00/0 3RV2925-5EB	Siemens	
+SS1-F101 &EFS=MA1+SS1/15	65683501	1	Sammelschiene Busbar	15p S0/S00 3RV1915-1DB	Siemens	

Schutzvermerk ISO 16016 beachten. Refer to protection notice ISO 16016.

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Betriebsmittelkennzeichen Device tag Platzierung Placement	SAP Nummer SAP number	Menge Quantity ME	Bezeichnung Designation	Technische Kenngröße Technical characteristic Bestellnummer Order number	Hersteller Manufacturer	UL- / CSA-File
+SS1-F151 &EFS=MA1+SS1/14	67115701	1	Motorschutzschalter Motor overload switch	27...32A 3RV2021-4EA10	Siemens	E47705, E156943
+SS1-F151 &EFS=MA1+SS1/14	61019701	1	Hilfsschalter Auxiliary switch	2NO 3RV2901-2F	Siemens	
+SS1-F151 &EFS=MA1+SS1/14	60937701	1	Verbindungsmodul Connecting modul	3RV - 3RT 3RA2921-1BA00	Siemens	
+SS1-F152 &EFS=MA1+SS1/14	67115701	1	Motorschutzschalter Motor overload switch	27...32A 3RV2021-4EA10	Siemens	E47705, E156943
+SS1-F152 &EFS=MA1+SS1/14	61019701	1	Hilfsschalter Auxiliary switch	2NO 3RV2901-2F	Siemens	
+SS1-F152 &EFS=MA1+SS1/14	60937701	1	Verbindungsmodul Connecting modul	3RV - 3RT 3RA2921-1BA00	Siemens	
+SS1-F201 &EFS=MA1+SS1/12	61499101	1	Direktstarter Direct starter	3...12A 3RA6120-1DB32	Siemens	E156943
+SS1-F202 &EFS=MA1+SS1/13	61499101	1	Direktstarter Direct starter	3...12A 3RA6120-1DB32	Siemens	E156943
+SS1-K451 &EFS=MA1+SS1/18	65583801	1	Relais Relay	1CO 6A DC-1 38.61.0.024.0062	Finder	
+SS1-K801 &EFS=MA1+SS1/23	60986901	1	Steuerung Control	PCB3 HIGH 60986901	ait-deutschland GmbH	
+SS1-K801 &EFS=MA1+SS1/23	66783901	6	Stehbolzen Stay bolt	M3x20mm 0968000320	Adolf Würth GmbH & Co. KG	
+SS1-K801 &EFS=MA1+SS1/23	61283401	1	Steckverbinder Connector	2p 0,25-2,5mm² 1754449	Phoenix Contact	E60425
+SS1-K801 &EFS=MA1+SS1/23	61282801	3	Steckverbinder Connector	2p 0,2-1,5mm² 1952267	Phoenix Contact	E60425
+SS1-K801 &EFS=MA1+SS1/23	61282901	3	Steckverbinder Connector	3p 0,2-1,5mm² 1952270	Phoenix Contact	E60425
+SS1-K801 &EFS=MA1+SS1/23	61283001	3	Steckverbinder Connector	4p 0,2-1,5mm² 1952283	Phoenix Contact	E60425
+SS1-K801 &EFS=MA1+SS1/23	61283101	5	Steckverbinder Connector	6p 0,2-1,5mm² 1952306	Phoenix Contact	E60425
+SS1-K801 &EFS=MA1+SS1/23	61283201	5	Steckverbinder Connector	8p 0,2-1,5mm² 1952322	Phoenix Contact	E60425
+SS1-K801 &EFS=MA1+SS1/23	61283301	3	Steckverbinder Connector	10p 0,2-1,5mm² 1952348	Phoenix Contact	E60425
+SS1-Q1 &EFS=MA1+SS1/1	61057701	1	Lasttrennschalter Switch-disconnector	125A HLT125/3V/Z44/Z33/X72/F803/X83	Sontheimer	E171806 / 1303370

0123456789

Artikelstückliste

Parts list

Betriebsmittelkennzeichen Device tag Platzierung Placement	SAP Nummer SAP number	Menge Quantity ME	Bezeichnung Designation	Technische Kenngröße Technical characteristic Bestellnummer Order number	Hersteller Manufacturer	UL- / CSA-File
+SS1-Q1 &EFS=MA1+SS1/1	61758801	1	Schaltplantasche Circuit diagram bag	DIN A4 SZ 2510.000	Rittal	
+SS1-Q1 &EFS=MA1+SS1/1	67169701	2	Austrittsfilter Outlet filter	92x92mm FPF08KUG-101	Fandis S.p.A.	
+SS1-Q1 &EFS=MA1+SS1/1	80000601.K	1	Aufkleber Sticker	60x34mm 80000601.K	ait-deutschland GmbH	
+SS1-Q1 &EFS=MA1+SS1/1	65847101	1	Halter Holder	9mm 0502811	Adolf Würth GmbH & Co. KG	
+SS1-Q1 &EFS=MA1+SS1/1	66789001	4	Abdeckkappe Cover cap	 059008	Adolf Würth GmbH & Co. KG	
+SS1-Q151 &EFS=MA1+SS1/18	60936601	1	Leistungsschütz Power contactor	3p 50A AC-1/38A AC-3 3RT2028-1BB40	Siemens	E31519
+SS1-Q151 &EFS=MA1+SS1/18	67170401	1	Varistor Varistor	S0 3RT2926-1BB00	Siemens	
+SS1-Q152 &EFS=MA1+SS1/18	60936601	1	Leistungsschütz Power contactor	3p 50A AC-1/38A AC-3 3RT2028-1BB40	Siemens	E31519
+SS1-Q152 &EFS=MA1+SS1/18	67170401	1	Varistor Varistor	S0 3RT2926-1BB00	Siemens	
+SS1-S801 &EFS=MA1+SS1/16	61539201	1	Schalter Switch	230V 16A 248346	Eaton Electric GmbH	
+SS1-T21 &EFS=MA1+SS1/2	61360001	1	Netzteil Power supply unit	24V 3,75A DC 2904371	Phoenix Contact	E123528, E214596
+SS1-T42 &EFS=MA1+SS1/5	61360001	1	Netzteil Power supply unit	24V 3,75A DC 2904371	Phoenix Contact	E123528, E214596
+SS1-T801 &EFS=MA1+SS1/16	60949401	1	DC/DC-Wandler DC/DC-converter	24/12V 0,5A DC 859-805	WAGO	
+SS1-U31	65792601	1	Kabeldurchführungsplatte Cable feedthrough plate	M63 43761	icotek	
+SS1-U32	65792601	1	Kabeldurchführungsplatte Cable feedthrough plate	M63 43761	icotek	
+SS1-U33	61141801	1	Kabeldurchführungsstülle Cable feedthrough grommet	M63 42656	icotek	
+SS1-U34	65792601	1	Kabeldurchführungsplatte Cable feedthrough plate	M63 43761	icotek	
+SS1-XSH801 &EFS=MA1+SS1/16	60740301	1	Schirmklemme Shield clamp	Ø3-6mm 36915	icotek	

Klemmenplan

Terminal diagram

Externe Ziele External targets				=MA1+SS1-XD1				Interne Ziele Internal targets	
Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper	Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number		Hersteller Manufacturer	
				ⓔⓐ		CLIPFIX 35-5 (3022276) 65579901		Phoenix Contact	
-E42:PE	&EFS=MA1+SS1/5	•	•	ⓔPE1ⓐ	-XDS1:PE1:I	&EFS=MA1+SS1/2 PTTB 2,5-PE GNYE (3210596) 61775201		Phoenix Contact	
+MR1-M101:PE	&EFS=MA1+SS1/15	•	•	ⓔPE2ⓐ					
+MR1-M102:PE	&EFS=MA1+SS1/15	•	•	ⓔPE3ⓐ		PTTB 2,5-PE GNYE (3210596) 61775201		Phoenix Contact	
		•	•	ⓔPE4ⓐ					
+MR1-E251:GNYE	&EFS=MA1+SS1/2	•	•	ⓔPE5ⓐ		PTTB 2,5-PE GNYE (3210596) 61775201		Phoenix Contact	
+MR1-E252:GNYE	&EFS=MA1+SS1/2	•	•	ⓔPE6ⓐ	-XD2:PE1:I	&EFS=MA1+SS1/3			
				ⓔⓐ		D-PTTB 2,5 (3211634) 61761701		Phoenix Contact	
+MR1-M151:PE	&EFS=MA1+SS1/14	•	•	ⓔPE7ⓐ	-XDE1:PE3:I	&EFS=MA1+SS1/1 PT 6-PE GNYE (3211822) 61759901		Phoenix Contact	
+MR1-M152:PE	&EFS=MA1+SS1/14	•	•	ⓔPE8ⓐ	+MR1-M201:PE	&EFS=MA1+SS1/12 PT 6-PE GNYE (3211822) 61759901		Phoenix Contact	
		•	•	ⓔPE9ⓐ	+MR1-M202:PE	&EFS=MA1+SS1/13 PT 6-PE GNYE (3211822) 61759901		Phoenix Contact	
		•	•	ⓔPE10ⓐ		PT 6-PE GNYE (3211822) 61759901		Phoenix Contact	
				ⓔⓐ		D-PT 6 (3212044) 61760001		Phoenix Contact	
+MR1-E251:BN	&EFS=MA1+SS1/2		•	ⓔ1ⓐ	-Q151:22	&EFS=MA1+SS1/2 PTTB 2,5 GY (3210567) 61761601		Phoenix Contact	
+MR1-E251:BU	&EFS=MA1+SS1/2		•	ⓔ2ⓐ	-F21:4	&EFS=MA1+SS1/2			
+MR1-E252:BN	&EFS=MA1+SS1/2		•	ⓔ3ⓐ	-Q152:22	&EFS=MA1+SS1/2 PTTB 2,5 GY (3210567) 61761601		Phoenix Contact	
+MR1-E252:BU	&EFS=MA1+SS1/2		•	ⓔ4ⓐ	-T42:L2/N	&EFS=MA1+SS1/5			
				ⓔⓐ		D-PTTB 2,5 (3211634) 61761701		Phoenix Contact	
				ⓔⓐ		CLIPFIX 35-5 (3022276) 65579901		Phoenix Contact	

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XD2

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
				ⓔ ⓐ			CLIPFIX 35-5 (3022276) 65579901	Phoenix Contact
		•	•	ⓔ PE1 ⓐ	-XD1:PE6:I -UTR1	&EFS=MA1+SS1/3 &EFS=MA1+SS1/3	PTTB 1,5/S-PE GNYE (3208537) 61254201	Phoenix Contact
		•	•	ⓔ PE2 ⓐ				
		•	•	ⓔ PE3 ⓐ			PTTB 1,5/S-PE GNYE (3208537) 61254201	Phoenix Contact
		•	•	ⓔ PE4 ⓐ				
			•	ⓔ 1 ⓐ	-K801:DI1:2	&EFS=MA1+SS1/21	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			•	ⓔ 2 ⓐ	-K801:DI1:1	&EFS=MA1+SS1/21		
-XD2:4:E	&EFS=MA1+SS1/6		•	ⓔ 3 ⓐ	-K801:DI1:8	&EFS=MA1+SS1/6	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
-XD2:3:E	&EFS=MA1+SS1/6		•	ⓔ 4 ⓐ	-K801:DI1:7	&EFS=MA1+SS1/6		
			•	ⓔ 5 ⓐ	-K801:DI2:3	&EFS=MA1+SS1/12	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			•	ⓔ 6 ⓐ	-K801:DI2:4	&EFS=MA1+SS1/12		
			•	ⓔ 7 ⓐ	-K801:DI2:5	&EFS=MA1+SS1/21	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			•	ⓔ 8 ⓐ	-K801:DI2:6	&EFS=MA1+SS1/21		
			•	ⓔ 9 ⓐ	-K801:DI3:3	&EFS=MA1+SS1/13	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			•	ⓔ 10 ⓐ	-K801:DI3:4	&EFS=MA1+SS1/13		
+MR1-B451:1	&EFS=MA1+SS1/18		•	ⓔ 11 ⓐ	-XDS1:24:E	&EFS=MA1+SS1/2	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-B451:2	&EFS=MA1+SS1/18		•	ⓔ 12 ⓐ	-K801:ES1:1	&EFS=MA1+SS1/18		
			•	ⓔ 13 ⓐ	-K801:ES1:3	&EFS=MA1+SS1/18	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			•	ⓔ 14 ⓐ				

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XD2

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
-XD2:16:E	&EFS=MA1+SS1/18			Ⓔ 15 Ⓢ			PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
-XD2:15:E	&EFS=MA1+SS1/18			Ⓔ 16 Ⓢ	-K451:A1	&EFS=MA1+SS1/18		
				Ⓔ 17 Ⓢ	-K801:DO4:1	&EFS=MA1+SS1/22	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
				Ⓔ 18 Ⓢ	-K801:DO4:2	&EFS=MA1+SS1/22		
				Ⓔ 19 Ⓢ	-K801:DO4:4	&EFS=MA1+SS1/7	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
				Ⓔ 20 Ⓢ	-XDS1:5:E	&EFS=MA1+SS1/2		
				Ⓔ 21 Ⓢ	-K801:DO4:8	&EFS=MA1+SS1/8	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
				Ⓔ 22 Ⓢ	-XDS1:7:E	&EFS=MA1+SS1/2		
+MR1-B452:1	&EFS=MA1+SS1/19			Ⓔ 23 Ⓢ	-K801:AI2:1	&EFS=MA1+SS1/19	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-B452:2	&EFS=MA1+SS1/19			Ⓔ 24 Ⓢ	-K801:AI2:2	&EFS=MA1+SS1/19		
+MR1-B453:1	&EFS=MA1+SS1/19			Ⓔ 25 Ⓢ	-K801:AI2:3	&EFS=MA1+SS1/19	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-B453:2	&EFS=MA1+SS1/19			Ⓔ 26 Ⓢ	-K801:AI2:4	&EFS=MA1+SS1/19		
+MR1-B454:1	&EFS=MA1+SS1/19			Ⓔ 27 Ⓢ	-K801:AI2:5	&EFS=MA1+SS1/19	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-B454:2	&EFS=MA1+SS1/19			Ⓔ 28 Ⓢ	-K801:AI2:6	&EFS=MA1+SS1/19		
				Ⓔ 29 Ⓢ	-K801:AI3:1	&EFS=MA1+SS1/19	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
				Ⓔ 30 Ⓢ	-K801:AI3:2	&EFS=MA1+SS1/19		
+MR1-B402:WH	&EFS=MA1+SS1/19			Ⓔ 31 Ⓢ	-K801:AI3:3	&EFS=MA1+SS1/19	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-B402:BN	&EFS=MA1+SS1/19			Ⓔ 32 Ⓢ	-K801:AI3:4	&EFS=MA1+SS1/19		
+MR1-B403:WH	&EFS=MA1+SS1/19			Ⓔ 33 Ⓢ	-K801:AI3:5	&EFS=MA1+SS1/19	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XD2

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
+MR1-B403:BN	&EFS=MA1+SS1/19		·	ⓔ 34 ⓘ	-K801:AI3:6	&EFS=MA1+SS1/19		
+MR1-M354:G	&EFS=MA1+SS1/20		·	ⓔ 35 ⓘ	-XDS1:22:E	&EFS=MA1+SS1/2	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M354:G0	&EFS=MA1+SS1/20		·	ⓔ 36 ⓘ	-XDS1:3:E	&EFS=MA1+SS1/2		
+MR1-M354:Y	&EFS=MA1+SS1/20		·	ⓔ 37 ⓘ	-K801:AO1:3	&EFS=MA1+SS1/20	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M354:M	&EFS=MA1+SS1/20		·	ⓔ 38 ⓘ	-K801:AO1:4	&EFS=MA1+SS1/20		
			·	ⓔ 39 ⓘ			PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			·	ⓔ 40 ⓘ				
			·	ⓔ 41 ⓘ	-K801:AIO1:3	&EFS=MA1+SS1/10	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			·	ⓔ 42 ⓘ				
			·	ⓔ 43 ⓘ	-K801:AIO1:1	&EFS=MA1+SS1/13	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			·	ⓔ 44 ⓘ	-K801:AIO1:2	&EFS=MA1+SS1/13		
+MR1-B201:1	&EFS=MA1+SS1/12		·	ⓔ 47 ⓘ	-K801:IFP AI1:3	&EFS=MA1+SS1/12	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-B201:2	&EFS=MA1+SS1/12		·	ⓔ 48 ⓘ	-K801:IFP AI1:4	&EFS=MA1+SS1/12		
			·	ⓔ 49 ⓘ	-K801:IFP AI1:5	&EFS=MA1+SS1/19	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			·	ⓔ 50 ⓘ	-K801:IFP AI1:6	&EFS=MA1+SS1/19		
+MR1-M101:24V	&EFS=MA1+SS1/15		·	ⓔ 51 ⓘ	-K801:DO1:5	&EFS=MA1+SS1/15	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M101:D1	&EFS=MA1+SS1/15		·	ⓔ 52 ⓘ	-K801:DO1:6	&EFS=MA1+SS1/15		
+MR1-M101:11	&EFS=MA1+SS1/15		·	ⓔ 53 ⓘ	-K801:DI4:3	&EFS=MA1+SS1/15	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M101:14	&EFS=MA1+SS1/15		·	ⓔ 54 ⓘ	-K801:DI4:4	&EFS=MA1+SS1/15		

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XD2

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
+MR1-M101:E1	&EFS=MA1+SS1/15			ⓔ 55 ⓐ	-K801:AO1:5	&EFS=MA1+SS1/15	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M101:GND	&EFS=MA1+SS1/15			ⓔ 56 ⓐ	-K801:AO1:6	&EFS=MA1+SS1/15		
+MR1-M102:24V	&EFS=MA1+SS1/15			ⓔ 57 ⓐ	-K801:DO1:7	&EFS=MA1+SS1/15	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M102:D1	&EFS=MA1+SS1/15			ⓔ 58 ⓐ	-K801:DO1:8	&EFS=MA1+SS1/15		
+MR1-M102:11	&EFS=MA1+SS1/15			ⓔ 59 ⓐ	-K801:DI4:7	&EFS=MA1+SS1/15	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M102:14	&EFS=MA1+SS1/15			ⓔ 60 ⓐ	-K801:DI4:8	&EFS=MA1+SS1/15		
+MR1-M102:E1	&EFS=MA1+SS1/15			ⓔ 61 ⓐ			PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M102:GND	&EFS=MA1+SS1/15			ⓔ 62 ⓐ				
				ⓔ 63 ⓐ	-K801:IFP DO2:2	&EFS=MA1+SS1/10	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
				ⓔ 64 ⓐ	-XDS1:8:E	&EFS=MA1+SS1/2		
+MR1-M352:G	&EFS=MA1+SS1/7			ⓔ 65 ⓐ	-XDS1:23:E	&EFS=MA1+SS1/2	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M352:G0	&EFS=MA1+SS1/7			ⓔ 66 ⓐ	-XDS1:4:E	&EFS=MA1+SS1/2		
+MR1-M352:Y	&EFS=MA1+SS1/7			ⓔ 67 ⓐ	-K801:AIO2:3	&EFS=MA1+SS1/7	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
+MR1-M352:M	&EFS=MA1+SS1/7			ⓔ 68 ⓐ	-K801:AIO2:4	&EFS=MA1+SS1/7		
				ⓔ 69 ⓐ	-K801:AIO2:1	&EFS=MA1+SS1/9	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
				ⓔ 70 ⓐ	-K801:AIO2:2	&EFS=MA1+SS1/9		
				ⓔ 71 ⓐ	-K801:AIO2:5	&EFS=MA1+SS1/9	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
				ⓔ 72 ⓐ	-K801:AIO2:6	&EFS=MA1+SS1/9		
				ⓔ 73 ⓐ	-XDS1:25:E	&EFS=MA1+SS1/2	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XD2

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
			'	Ⓔ 74 Ⓢ	-XDS1:9:E	&EFS=MA1+SS1/2		
			'	Ⓔ 75 Ⓢ			PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			'	Ⓔ 76 Ⓢ				
			'	Ⓔ 77 Ⓢ			PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			'	Ⓔ 78 Ⓢ				
			'	Ⓔ 79 Ⓢ			PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			'	Ⓔ 80 Ⓢ				
				Ⓔ Ⓢ			D-PTTB 1,5/S (3208579) 61254701	Phoenix Contact

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XD3

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
				ⓔⓔ			CLIPFIX 35-5 (3022276) 65579901	Phoenix Contact
			,	ⓔ1ⓔ	-K801:DO5:3	&EFS=MA1+SS1/22	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			,	ⓔ2ⓔ	-K801:DO5:1	&EFS=MA1+SS1/22		
			,	ⓔ3ⓔ	-K801:DO5:2	&EFS=MA1+SS1/22	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			,	ⓔ4ⓔ	-K801:DO2:1	&EFS=MA1+SS1/22		
			,	ⓔ5ⓔ	-K801:DO2:2	&EFS=MA1+SS1/22	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			,	ⓔ6ⓔ				
				ⓔⓔ			D-PTTB 1,5/S (3208579) 61254701	Phoenix Contact

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XD4

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
				ⓔⓐ			CLIPFIX 35-5 (3022276) 65579901	Phoenix Contact
			,	ⓔ1ⓐ	-S801:5	&EFS=MA1+SS1/16	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			,	ⓔ2ⓐ	-S801:7	&EFS=MA1+SS1/16		
		•	,	ⓔ3ⓐ			PTTB 1,5/S-PE GNYE (3208537) 61254201	Phoenix Contact
		•	,	ⓔ4ⓐ	-UTR1	&EFS=MA1+SS1/16		
		•	,	ⓔ5ⓐ	-K801:RS-485-3:2	&EFS=MA1+SS1/16	PTTB 1,5/S-PV GY (3208540) 61759301	Phoenix Contact
		•	,	ⓔ6ⓐ	-A801:RJ45-485.3:RJ45	&EFS=MA1+SS1/16		
		•	,	ⓔ7ⓐ	-K801:RS-485-3:3	&EFS=MA1+SS1/16	PTTB 1,5/S-PV GY (3208540) 61759301	Phoenix Contact
		•	,	ⓔ8ⓐ	-A801:RJ45-485.3:RJ45	&EFS=MA1+SS1/16		
				ⓔⓐ			D-PTTB 1,5/S (3208579) 61254701	Phoenix Contact

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XD5

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
				ⓔⓘ			CLIPFIX 35-5 (3022276) 65579901	Phoenix Contact
			,	ⓔ1ⓘ	-XDS1:6:E	&EFS=MA1+SS1/2	PTTB 1,5/S GY (3208511) 61254101	Phoenix Contact
			,	ⓔ2ⓘ	-F201:14	&EFS=MA1+SS1/11		
		•	,	ⓔ3ⓘ			PTTB 1,5/S-PE GNYE (3208537) 61254201	Phoenix Contact
		•	,	ⓔ4ⓘ	-UTR1	&EFS=MA1+SS1/11		
				ⓔⓘ			D-PTTB 1,5/S (3208579) 61254701	Phoenix Contact
				ⓔⓘ			CLIPFIX 35-5 (3022276) 65579901	Phoenix Contact

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XDE1

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
N	&EFS=MA1+SS1/1		.	ⓔ N1 ⓘ			UT 35 BU (3044238) 61777601	Phoenix Contact
PE	&EFS=MA1+SS1/1		.	ⓔ PE1 ⓘ	-UH	&EFS=MA1+SS1/1	UT 35-PE (3044241) 61777501	Phoenix Contact
			.	ⓔ PE2 ⓘ	-UR	&EFS=MA1+SS1/1	UT 35-PE (3044241) 61777501	Phoenix Contact
-UC	&EFS=MA1+SS1/1		.	ⓔ PE3 ⓘ	-XD1:PE7:I	&EFS=MA1+SS1/3	PT 6-PE GNYE (3211822) 61759901	Phoenix Contact
				ⓔ ⓘ			D-PT 6 (3212044) 61760001	Phoenix Contact
				ⓔ ⓘ			CLIPFIX 35-5 (3022276) 65579901	Phoenix Contact

Klemmenplan

Terminal diagram

Externe Ziele
External targets

=MA1+SS1-XDS1

Interne Ziele
Internal targets

Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer
				ⓔⓂ			CLIPFIX 35-5 (3022276) 65579901	Phoenix Contact
		•	•	ⓔ 1 Ⓜ	-T21:-.	&EFS=MA1+SS1/2	PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact
		•	•	ⓔ 2 Ⓜ	-S801:4	&EFS=MA1+SS1/16		
-XD2:36:I	&EFS=MA1+SS1/20	•	•	ⓔ 3 Ⓜ	-K801:CON15:2	&EFS=MA1+SS1/17		
-XD2:66:I	&EFS=MA1+SS1/7	•	•	ⓔ 4 Ⓜ	-Q151:A2	&EFS=MA1+SS1/18	PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact
-XD2:20:I	&EFS=MA1+SS1/7	•	•	ⓔ 5 Ⓜ	-K451:A2	&EFS=MA1+SS1/18		
-XD5:1:I	&EFS=MA1+SS1/11	•	•	ⓔ 6 Ⓜ				
-XD2:22:I	&EFS=MA1+SS1/8	•	•	ⓔ 7 Ⓜ	-F201:A2-	&EFS=MA1+SS1/12	PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact
-XD2:64:I	&EFS=MA1+SS1/10	•	•	ⓔ 8 Ⓜ	-F202:A2-	&EFS=MA1+SS1/13		
-XD2:74:I	&EFS=MA1+SS1/9	•	•	ⓔ 9 Ⓜ				
		•	•	ⓔ 10 Ⓜ			PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact
		•	•	ⓔ 11 Ⓜ				
		•	•	ⓔ 12 Ⓜ				
		•	•	ⓔ 13 Ⓜ			PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact
		•	•	ⓔ 14 Ⓜ				
		•	•	ⓔ 15 Ⓜ				
				ⓔ Ⓜ			D-PT 1,5/S-3L (3113771) 61759501	Phoenix Contact
		•	•	ⓔ 21 Ⓜ	-F22:2	&EFS=MA1+SS1/2	PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact
-XD2:35:I	&EFS=MA1+SS1/20	•	•	ⓔ 22 Ⓜ	-K801:CON15:1	&EFS=MA1+SS1/17		

Klemmenplan

Terminal diagram

Externe Ziele External targets				=MA1+SS1-XDS1				Interne Ziele Internal targets	
Zielbezeichnung Target designation	Platzierung Placement	Brücke Jumper	Stegbrücke Saddle jumper		Zielbezeichnung Target designation	Platzierung Placement	Klemmenbezeichnung Terminal designation SAP Nummer SAP number	Hersteller Manufacturer	
-XD2:65:I	&EFS=MA1+SS1/7			ⓔ 23 ⓐ	-K801:DO4:3	&EFS=MA1+SS1/7			
-XD2:11:I	&EFS=MA1+SS1/18			ⓔ 24 ⓐ	-K801:DO4:7	&EFS=MA1+SS1/8	PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact	
-XD2:73:I	&EFS=MA1+SS1/9			ⓔ 25 ⓐ	-K801:IFP DO2:1	&EFS=MA1+SS1/10			
				ⓔ 26 ⓐ	-F201:13	&EFS=MA1+SS1/11			
				ⓔ 27 ⓐ	-K801:DO1:1	&EFS=MA1+SS1/12	PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact	
				ⓔ 28 ⓐ	-K801:DO1:3	&EFS=MA1+SS1/13			
				ⓔ 29 ⓐ					
				ⓔ 30 ⓐ			PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact	
				ⓔ 31 ⓐ					
				ⓔ 32 ⓐ					
				ⓔ 33 ⓐ	-S801:2	&EFS=MA1+SS1/16	PT 1,5/S-3PV GY (3213742) 61759401	Phoenix Contact	
				ⓔ 34 ⓐ					
				ⓔ 35 ⓐ					
				ⓔ ⓐ			D-PT 1,5/S-3L (3113771) 61759501	Phoenix Contact	
-XDS1:PE1:E	&EFS=MA1+SS1/2			ⓔ TN1 ⓐ	-T21:-	&EFS=MA1+SS1/2	UK 5-MTK-P/P GY (3004032) 65559501	Phoenix Contact	
-XDS1:TN1:E	&EFS=MA1+SS1/2			ⓔ PE1 ⓐ	-XD1:PE1:I	&EFS=MA1+SS1/3	PT 2,5-PE GNYE (3209536) 61759101	Phoenix Contact	
				ⓔ ⓐ			D-ST 2,5 (3030417) 65573001	Phoenix Contact	
				ⓔ ⓐ			CLIPFIX 35-5 (3022276) 65579901	Phoenix Contact	

Kabelübersicht

Cable overview

Kabelname Cable name	Platzierung Placement	SAP Nummer SAP number	Funktion Function	Hersteller Manufacturer Leitungstyp cable type	Bestellnummer Order number	Länge Length
+SS1-WA801-1	&EFS+SS1/16.5	61416001	Bedienpanel	HELUKABEL GmbH UC900 BK 4x2x27/7 AWG	806142	2,25 m
+MR1-WB201	&EFS+SS1/12.2	61841401	Drucksensor Austritt Pumpe 1	U.I. Lapp GmbH UNITRONIC LiYY A 2x20/7 AWG	0022632	
+MR1-WB452	&EFS+SS1/19.1	61841401	Drucksensor Kaltwasser Eintritt	U.I. Lapp GmbH UNITRONIC LiYY A 2x20/7 AWG	0022632	
+MR1-WB453	&EFS+SS1/19.2	61841401	Drucksensor Hochdruck	U.I. Lapp GmbH UNITRONIC LiYY A 2x20/7 AWG	0022632	
+MR1-WB454	&EFS+SS1/19.3	61841401	Drucksensor Niederdruck	U.I. Lapp GmbH UNITRONIC LiYY A 2x20/7 AWG	0022632	
+MR1-WE251	&EFS+SS1/2.0	65723901	Gehäuseheizung 1	U.I. Lapp GmbH ÖLFLEX 150 3G1,5 mm²	0015303	
+MR1-WE252	&EFS+SS1/2.1	65723901	Gehäuseheizung 2	U.I. Lapp GmbH ÖLFLEX 150 3G1,5 mm²	0015303	
+MR1-WM101-1	&EFS+SS1/15.1	65725901	Kondensatorlüfter 1	U.I. Lapp GmbH ÖLFLEX 191 4G2,5 mm²	0011151	
+MR1-WM101-2	&EFS+SS1/15.2	61841501	=	U.I. Lapp GmbH UNITRONIC LiYCY A 7x18/19 AWG	0044850	
+MR1-WM102-1	&EFS+SS1/15.6	65725901	Kondensatorlüfter 2	U.I. Lapp GmbH ÖLFLEX 191 4G2,5 mm²	0011151	
+MR1-WM102-2	&EFS+SS1/15.7	61841501	=	U.I. Lapp GmbH UNITRONIC LiYCY A 7x18/19 AWG	0044850	
+MR1-WM151	&EFS+SS1/14.1	65726501	Verdichter 1	U.I. Lapp GmbH ÖLFLEX 191 4G6 mm²	0011165	
+MR1-WM152	&EFS+SS1/14.4	65726501	Verdichter 2	U.I. Lapp GmbH ÖLFLEX 191 4G6 mm²	0011165	
+MR1-WM201	&EFS+SS1/12.6	65725901	Pumpe 1	U.I. Lapp GmbH ÖLFLEX 191 4G2,5 mm²	0011151	
+MR1-WM202	&EFS+SS1/13.6	65725901	Pumpe 2	U.I. Lapp GmbH ÖLFLEX 191 4G2,5 mm²	0011151	
+MR1-WM352	&EFS+SS1/7.5	65724401	Regelventil Heißgas Bypass	U.I. Lapp GmbH ÖLFLEX 150 5G1 mm²	0015205	
+MR1-WM354	&EFS+SS1/20.4	65724401	Expansionsventil	U.I. Lapp GmbH ÖLFLEX 150 5G1 mm²	0015205	

Kabelplan

Cable diagram

Kabelname Cable name	Ader Conductor		Ziel 1 Target 1	Ziel 2 Target 2	Funktion Function
+SS1-WA801-1	WH/OG	27/7 AWG	+SS1-A801:RJ45-485.3:RJ45	+SS1-T801:3	Bedienpanel Control panel
+SS1-WA801-1	OG	27/7 AWG	+SS1-A801:RJ45-485.3:RJ45	+SS1-T801:3	=
+SS1-WA801-1	WH/GN	27/7 AWG	+SS1-A801:RJ45-485.3:RJ45	+SS1-T801:4	=
+SS1-WA801-1	BU	27/7 AWG	+SS1-A801:RJ45-485.3:RJ45	+SS1-XD4:6:I	=
+SS1-WA801-1	WH/BU	27/7 AWG	+SS1-A801:RJ45-485.3:RJ45	+SS1-XD4:8:I	=
+SS1-WA801-1	GN	27/7 AWG	+SS1-A801:RJ45-485.3:RJ45	+SS1-T801:4	=
+SS1-WA801-1	WH/BN	27/7 AWG			=
+SS1-WA801-1	BN	27/7 AWG			=
+SS1-WA801-1	SH	AWG	+SS1-A801:RJ45-485.3:RJ45	+SS1-XSH801:1	=
+MR1-WB201	WH	20/7 AWG	+MR1-B201:1	+SS1-XD2:47:E	Drucksensor Austritt Pumpe 1 Pressure sensor outlet pump 1
+MR1-WB201	BN	20/7 AWG	+MR1-B201:2	+SS1-XD2:48:E	=
+MR1-WB452	WH	20/7 AWG	+MR1-B452:1	+SS1-XD2:23:E	Drucksensor Kaltwasser Eintritt Pressure sensor cold water inlet
+MR1-WB452	BN	20/7 AWG	+MR1-B452:2	+SS1-XD2:24:E	=
+MR1-WB453	WH	20/7 AWG	+MR1-B453:1	+SS1-XD2:25:E	Drucksensor Hochdruck Pressure sensor high pressure
+MR1-WB453	BN	20/7 AWG	+MR1-B453:2	+SS1-XD2:26:E	=
+MR1-WB454	WH	20/7 AWG	+MR1-B454:1	+SS1-XD2:27:E	Drucksensor Niederdruck Pressure sensor low pressure
+MR1-WB454	BN	20/7 AWG	+MR1-B454:2	+SS1-XD2:28:E	=
+MR1-WE251	1	1,5 mm²	+MR1-E251:BN	+SS1-XD1:1:E	Gehäuseheizung 1 crank case heater 1
+MR1-WE251	2	1,5 mm²	+MR1-E251:BU	+SS1-XD1:2:E	=
+MR1-WE251	GNYE	1,5 mm²	+MR1-E251:GNYE	+SS1-XD1:PE5:E	=
+MR1-WE252	1	1,5 mm²	+MR1-E252:BN	+SS1-XD1:3:E	Gehäuseheizung 2 crank case heater 2
+MR1-WE252	2	1,5 mm²	+MR1-E252:BU	+SS1-XD1:4:E	=
+MR1-WE252	GNYE	1,5 mm²	+MR1-E252:GNYE	+SS1-XD1:PE6:E	=
+MR1-WM101-1	1	2,5 mm²	+MR1-M101:L1	+SS1-F101:2/T1	Kondensatorlüfter 1 Condenser fan 1
+MR1-WM101-1	2	2,5 mm²	+MR1-M101:L2	+SS1-F101:4/T2	=
+MR1-WM101-1	3	2,5 mm²	+MR1-M101:L3	+SS1-F101:6/T3	=
+MR1-WM101-1	GNYE	2,5 mm²	+MR1-M101:PE	+SS1-XD1:PE2:E	=
+MR1-WM101-2	WH	18/19 AWG	+MR1-M101:24V	+SS1-XD2:51:E	Kondensatorlüfter 1 Condenser fan 1
+MR1-WM101-2	BN	18/19 AWG	+MR1-M101:D1	+SS1-XD2:52:E	=
+MR1-WM101-2	GN	18/19 AWG			=
+MR1-WM101-2	YE	18/19 AWG	+MR1-M101:11	+SS1-XD2:53:E	=
+MR1-WM101-2	GY	18/19 AWG	+MR1-M101:14	+SS1-XD2:54:E	=
+MR1-WM101-2	PK	18/19 AWG	+MR1-M101:E1	+SS1-XD2:55:E	=
+MR1-WM101-2	BU	18/19 AWG	+MR1-M101:GND	+SS1-XD2:56:E	=
+MR1-WM101-2	SH	AWG			=
+MR1-WM102-1	1	2,5 mm²	+MR1-M102:L1	+SS1-F101:2/T1	Kondensatorlüfter 2 Condenser fan 2
+MR1-WM102-1	2	2,5 mm²	+MR1-M102:L2	+SS1-F101:4/T2	=
+MR1-WM102-1	3	2,5 mm²	+MR1-M102:L3	+SS1-F101:6/T3	=
+MR1-WM102-1	GNYE	2,5 mm²	+MR1-M102:PE	+SS1-XD1:PE3:E	=
+MR1-WM102-2	WH	18/19 AWG	+MR1-M102:24V	+SS1-XD2:57:E	Kondensatorlüfter 2 Condenser fan 2

Kabelplan

Cable diagram

Kabelname Cable name	Ader Conductor	Ziel 1 Target 1	Ziel 2 Target 2	Funktion Function
+MR1-WM102-2	BN18/19 AWG	+MR1-M102:D1	+SS1-XD2:58:E	Kondensatorlüfter 2 Condenser fan 2
+MR1-WM102-2	GN18/19 AWG			=
+MR1-WM102-2	YE18/19 AWG	+MR1-M102:11	+SS1-XD2:59:E	=
+MR1-WM102-2	GY18/19 AWG	+MR1-M102:14	+SS1-XD2:60:E	=
+MR1-WM102-2	PK18/19 AWG	+MR1-M102:E1	+SS1-XD2:61:E	=
+MR1-WM102-2	BU18/19 AWG	+MR1-M102:GND	+SS1-XD2:62:E	=
+MR1-WM102-2	SHAWG			=
+MR1-WM151	16 mm²	+MR1-M151:U1	+SS1-Q151:2	Verdichter 1 Compressor 1
+MR1-WM151	26 mm²	+MR1-M151:V1	+SS1-Q151:4	=
+MR1-WM151	36 mm²	+MR1-M151:W1	+SS1-Q151:6	=
+MR1-WM151	GNYE6 mm²	+MR1-M151:PE	+SS1-XD1:PE7:E	=
+MR1-WM152	16 mm²	+MR1-M152:U1	+SS1-Q152:2	Verdichter 2 Compressor 2
+MR1-WM152	26 mm²	+MR1-M152:V1	+SS1-Q152:4	=
+MR1-WM152	36 mm²	+MR1-M152:W1	+SS1-Q152:6	=
+MR1-WM152	GNYE6 mm²	+MR1-M152:PE	+SS1-XD1:PE8:E	=
+MR1-WM201	12,5 mm²	+MR1-M201:U1	+SS1-F201:2T1	Pumpe 1 Pump 1
+MR1-WM201	22,5 mm²	+MR1-M201:V1	+SS1-F201:4T2	=
+MR1-WM201	32,5 mm²	+MR1-M201:W1	+SS1-F201:6T3	=
+MR1-WM201	GNYE2,5 mm²	+MR1-M201:PE	+SS1-XD1:PE8:I	=
+MR1-WM202	12,5 mm²	+MR1-M202:U1	+SS1-F202:2T1	Pumpe 2 Pump 2
+MR1-WM202	22,5 mm²	+MR1-M202:V1	+SS1-F202:4T2	=
+MR1-WM202	32,5 mm²	+MR1-M202:W1	+SS1-F202:6T3	=
+MR1-WM202	GNYE2,5 mm²	+MR1-M202:PE	+SS1-XD1:PE9:I	=
+MR1-WM352	11 mm²	+MR1-M352:G	+SS1-XD2:65:E	Regelventil Heißgas Bypass Regulating valve hot gas bypass
+MR1-WM352	21 mm²	+MR1-M352:G0	+SS1-XD2:66:E	=
+MR1-WM352	31 mm²	+MR1-M352:Y	+SS1-XD2:67:E	=
+MR1-WM352	41 mm²	+MR1-M352:M	+SS1-XD2:68:E	=
+MR1-WM352	GNYE1 mm²			=
+MR1-WM354	11 mm²	+MR1-M354:G	+SS1-XD2:35:E	Expansionsventil Expansion valve
+MR1-WM354	21 mm²	+MR1-M354:G0	+SS1-XD2:36:E	=
+MR1-WM354	31 mm²	+MR1-M354:Y	+SS1-XD2:37:E	=
+MR1-WM354	41 mm²	+MR1-M354:M	+SS1-XD2:38:E	=
+MR1-WM354	GNYE1 mm²			=

Schutzvermerk ISO 16016 beachten. Refer to protection notice ISO 16016.

Zuschnittsliste

Cutting list

Betriebsmittelkennzeichen Device tag Platzierung Placement	SAP Nummer SAP number	Menge Quantity ME	Länge Length	Bezeichnung Designation	Technische Kenngroße Technical characteristic Bestellnummer Order number	Hersteller Manufacturer
+SS1-U1	65765301	1	240 mm	Kabelkanal Cable duct	40x80x2000mm 7331-1	Licatec GmbH
+SS1-U2	65765301	1	130 mm	Kabelkanal Cable duct	40x80x2000mm 7331-1	Licatec GmbH
+SS1-U3	61760101	1	500 mm	Kabelkanal Cable duct	30x80x2000mm 7330-1	Licatec GmbH
+SS1-U4	65765301	1	240 mm	Kabelkanal Cable duct	40x80x2000mm 7331-1	Licatec GmbH
+SS1-U5	65765301	1	153 mm	Kabelkanal Cable duct	40x80x2000mm 7331-1	Licatec GmbH
+SS1-U6	61760101	1	373 mm	Kabelkanal Cable duct	30x80x2000mm 7330-1	Licatec GmbH
+SS1-U7	65765301	1	153 mm	Kabelkanal Cable duct	40x80x2000mm 7331-1	Licatec GmbH
+SS1-U8	61760101	1	250 mm	Kabelkanal Cable duct	30x80x2000mm 7330-1	Licatec GmbH
+SS1-U9	61760101	1	549 mm	Kabelkanal Cable duct	30x80x2000mm 7330-1	Licatec GmbH
+SS1-U11	60005301	1	269 mm	Tragschiene Mounting rail	35x7,5mm 2933/2 GL	Niedax GmbH & Co. KG
+SS1-U12	60005301	1	153 mm	Tragschiene Mounting rail	35x7,5mm 2933/2 GL	Niedax GmbH & Co. KG
+SS1-U13	60005301	1	153 mm	Tragschiene Mounting rail	35x7,5mm 2933/2 GL	Niedax GmbH & Co. KG
+SS1-U14	60005301	1	489 mm	Tragschiene Mounting rail	35x7,5mm 2933/2 GL	Niedax GmbH & Co. KG
+SS1-U15	66575101	1	80 mm	Tragschiene Mounting rail	35x15mm 0975490103	Adolf Würth GmbH & Co. KG
+SS1-U16	657679B01	1	360 mm	Verdrahtungskanal Wire duct	Ø20mm 0,5m 7861-1	Licatec GmbH