



Cover page

Product name : AAF-0073B04-110AE54

Operation voltage : 380V-480V / 3~, 50/60Hz

Control voltage : 200-240V AC

Signal voltage : ./.

Filter current : 110A

max. short-circuit current ICC : 50KA

max. ambient temperature : 40°C

protection class : IP 54

weight : 190Kg

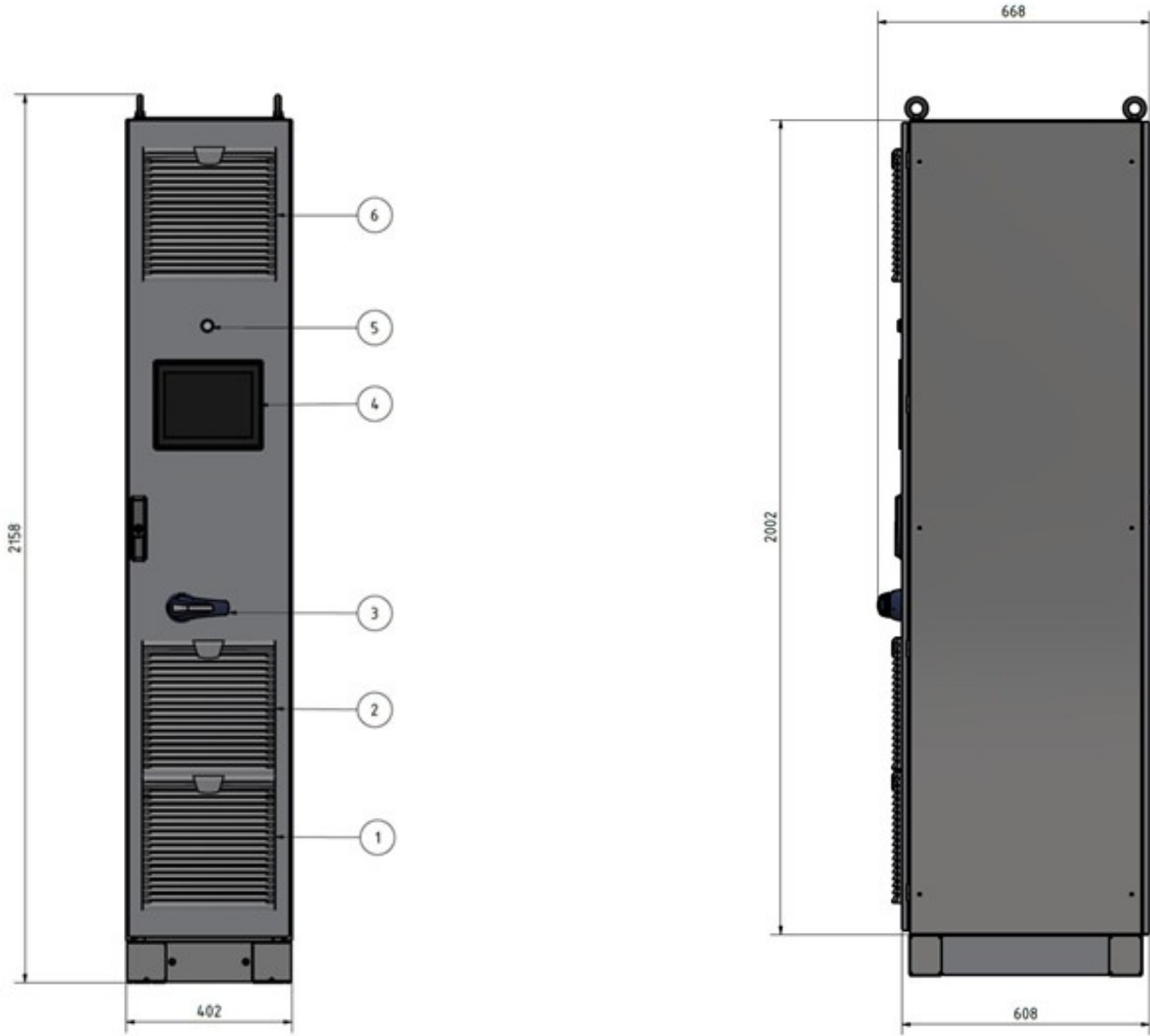
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Date	Name	signed	28.05.2025		AAF-0073B04-110AE54	1
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		Standard				



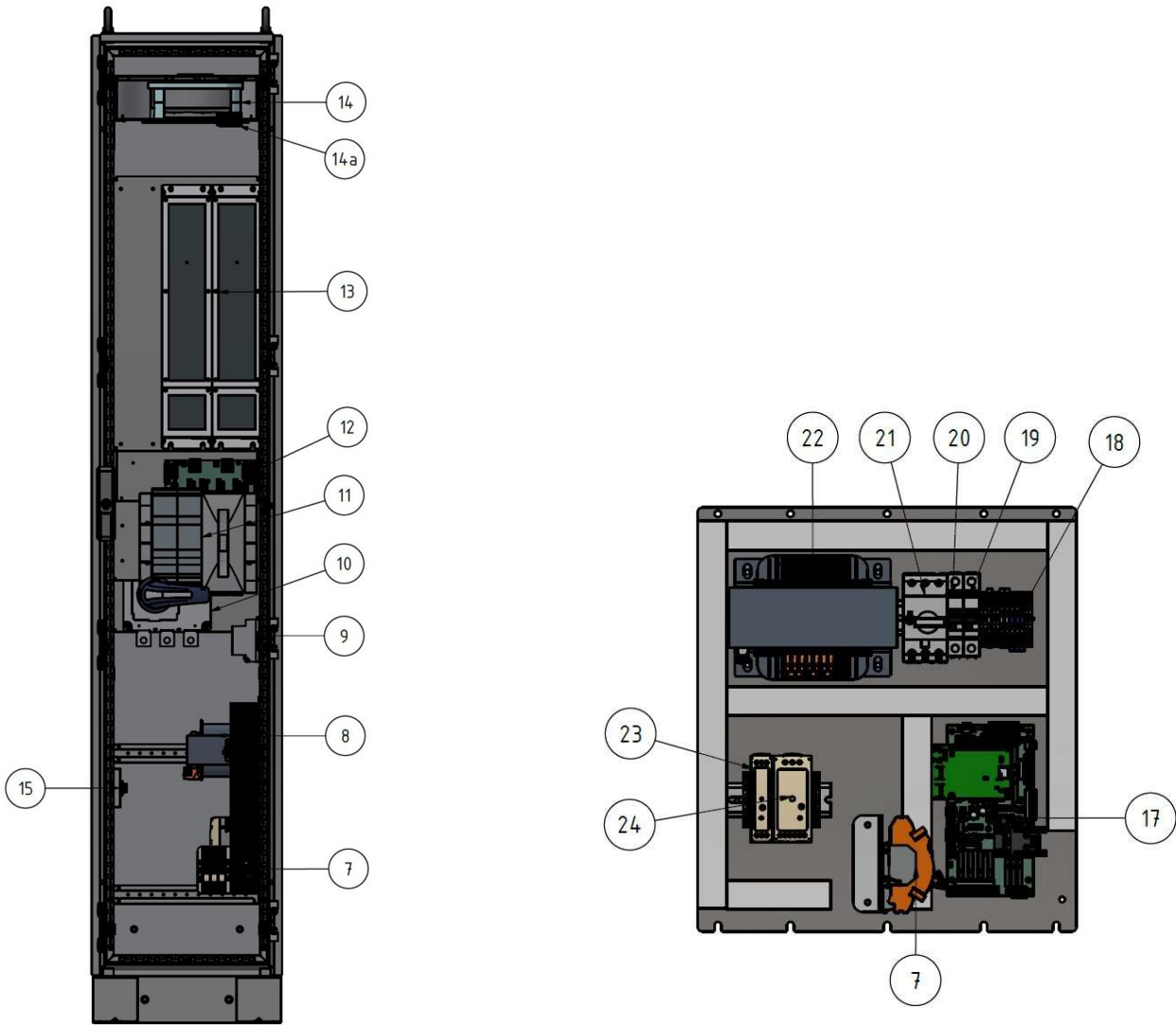
Dangerous voltages can cause electric shock or burns.
Switch off the voltage before working on the device!
Before switching on again, ensure that the device is tightly closed.

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System	Location	Page	Page naming						Additional page field		Date	Editor			
		1	Cover page								28.05.2025				
		2	Warning								28.05.2025				
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		4	drawing cabinet outside								28.05.2025				
		5	drawing cabinet inside								28.05.2025				
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		8	schematic diagram open loop								28.05.2025				
		9	schematic diagram closed loop								28.05.2025				
		10	power supply circuit diagram								28.05.2025				
		11	main circuit filter connection U1-U2								28.05.2025				
		12	auxiliary voltage circuit 230V								28.05.2025				
		13	Control patch board A13								28.05.2025				
		14	Control board A14 / costumer terminals								28.05.2025				
		15	Related spareparts and accessories								28.05.2025				
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		17	cable overview 2 reserve								28.05.2025				
		18	terminal overview								28.05.2025				
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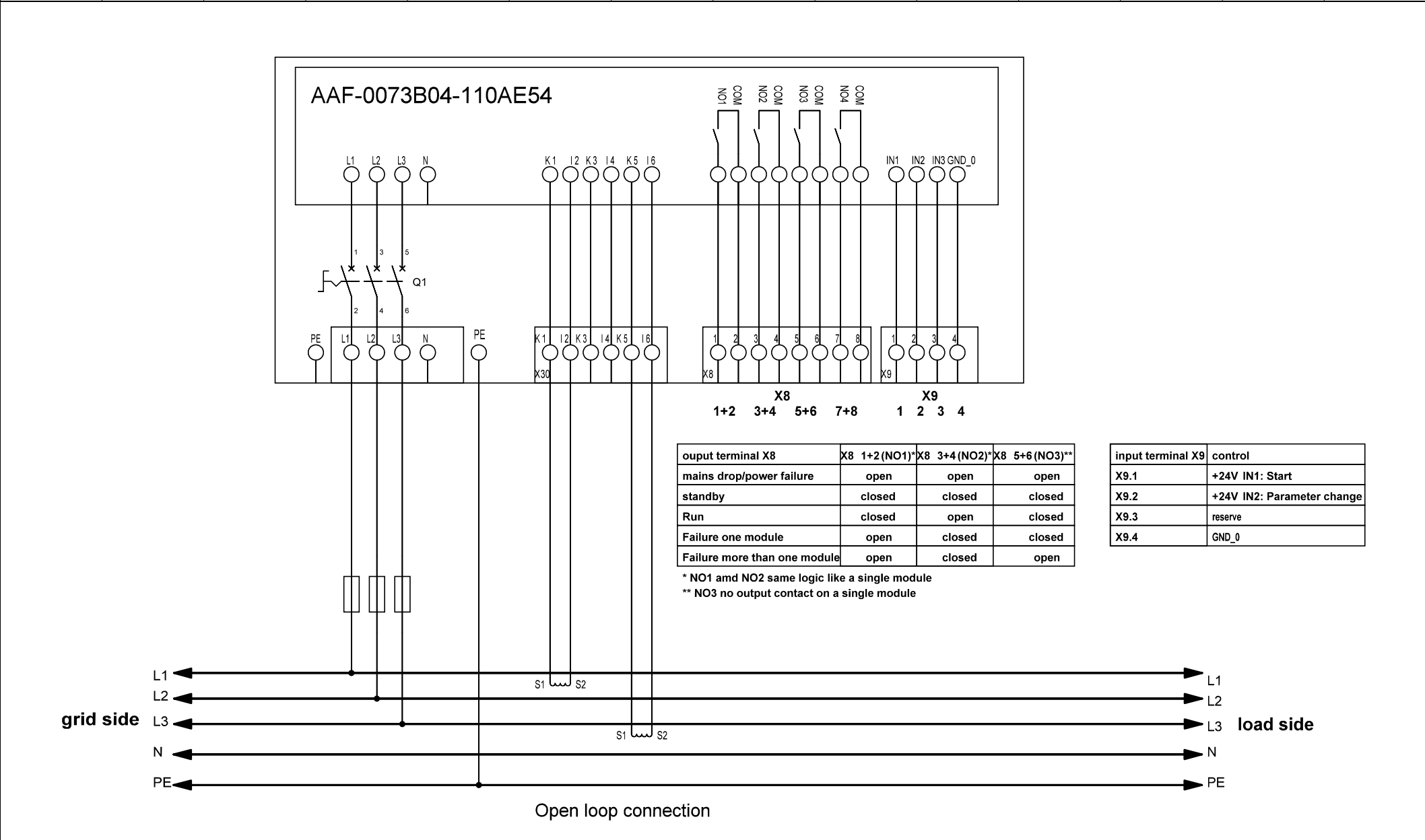
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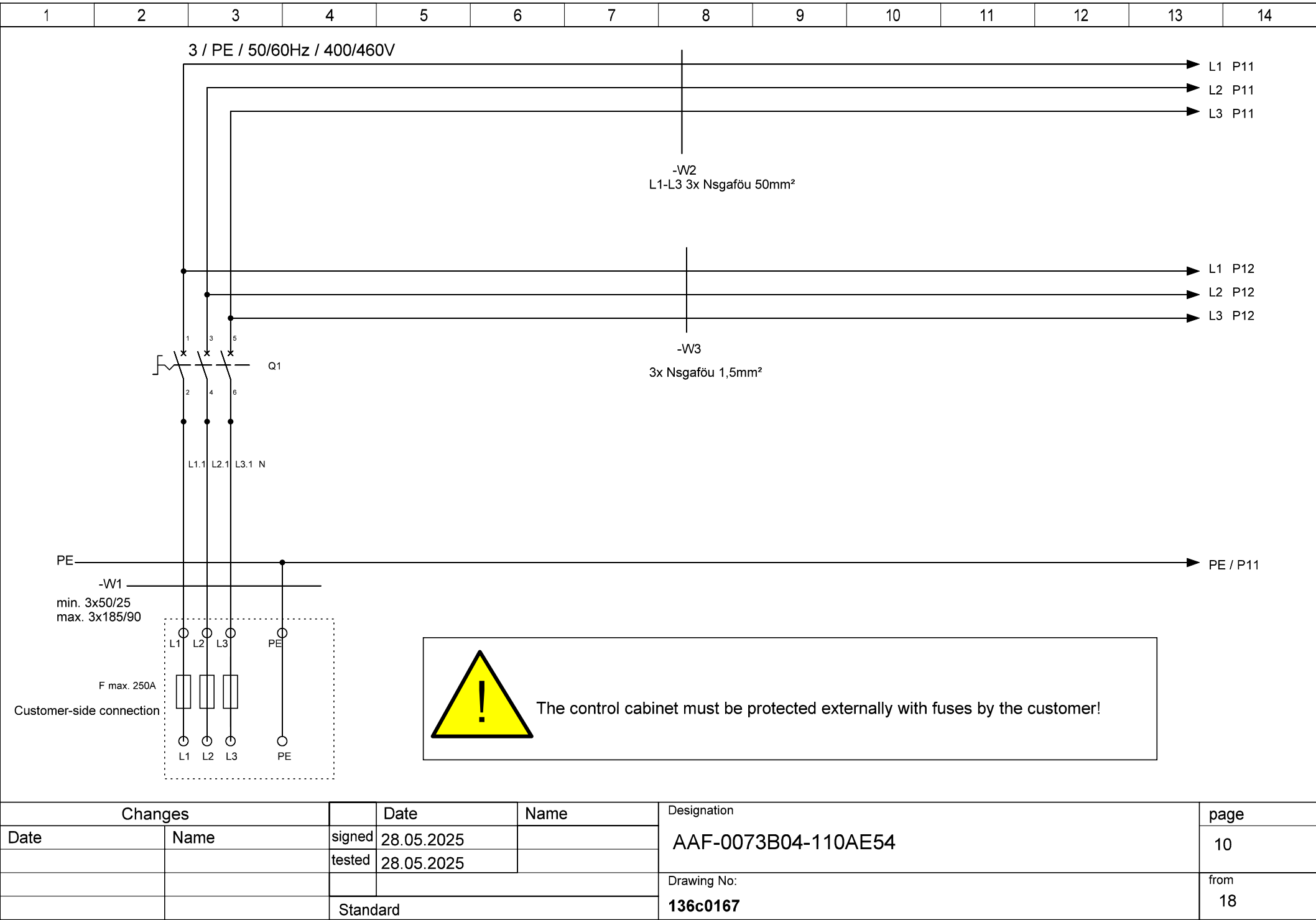
Position number	Component name	Type designation	comment
1	M1	SK intake EC fan EC 890 m³/h	U=100-250V/AC
2	M2	SK intake EC fan EC 890 m³/h	U=100-250V/AC
3	Q1	Switch disconnecter switch toggle	I=400A
4	A20	HMI	10.1 inch capacitive touch
5	H1	signal light	red / green
6	M3	outlet filter	pleated filter

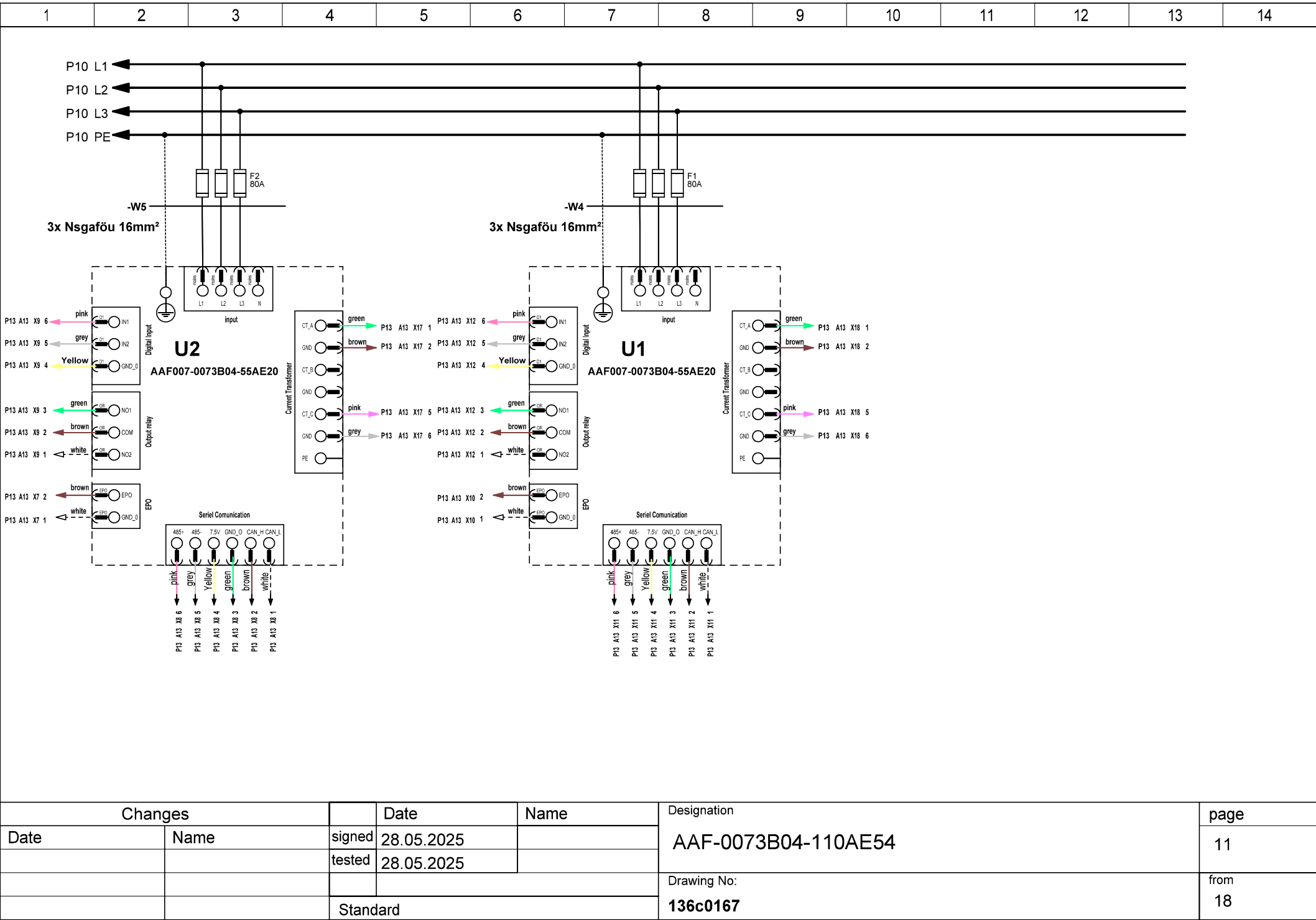
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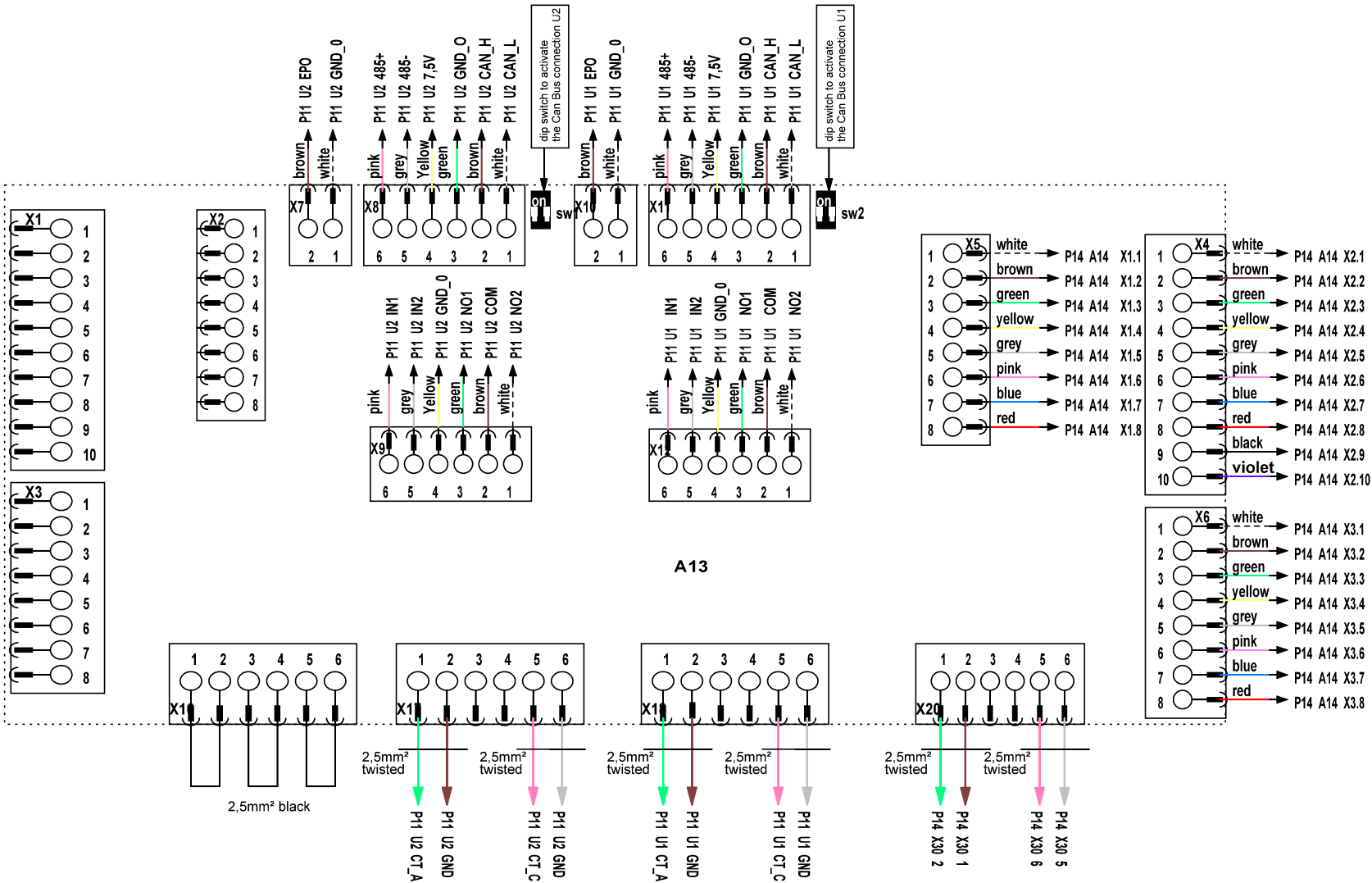
Position number	Component name	Type designation	comment
7	X30	STME 5-CT terminals	Single-wire conductor: 0,5 ... 10 mm² / 20 ... 8 AWG Fine-wire conductor with wire-end-sleeve 2,5* ... 6 mm² / 14 ... 10 AWG
8	A30	control voltage supply board	
9	B1	temperature controler for EC fans	U=100-250V/AC
10	Q1	load break swit	I=400A
11	F1-F2	busbar system with fuses 80A	NH 00 80A/500V
12	A13	patch board for 2pcs. AAF007	board for the distribution of control signals and current measurement
13	U1-U2	2 pcs. AAF007-0073B04-55AE20	AHF 007 55A modul
14	M3	output fan	U=200-240V/AC
14 a	X5	output fan terminals	
15	PE	grounding bar	
16	reserve	reserve	
17	A14	control board	board for the evaluation of the control signals for the customer connection for input and output signals
18	X1-X2	230V terminals X1-X2	
19	F10	circuit breaker for Powersupply	circuit breaker C 2A
20	F9	circuit breaker for fan system	circuit breaker B 6A
21	Q2	circuit breaker transformer	PKZM0-4-T 2,5-4A
22	T1	autotransformer	U in=460V/AC/U out=230V/AC
23	T2	powersupply 24V for control supply	U in=85-264V/AC/ U out=24V/DC
24	T3	powersupply 12V for HMI supply	U in=85-264V/AC/ U out=12V/DC

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Related spareparts and accessories - Part numbers			
accessories	Part numbers	spare	Part numbers
Current transformer 250A (+VD02)	136b3266	AAF-0073B04-55A0E20	137G3610
Current transformer 400A (+VD03)	136b3267	Cabinet CT terminal Block	136b4665
HMI (+BF50)	136b4686	Power supply HMI	136b4666
Plint 100mm x 400mm	136b4672	Power supply Control PCB	136b4667
		cover IEC main switch	136b4668
		NH00 80A	136b4669
		Control board	136b4673
		shunting board 2 pcs	136b4674
		speed controller for fan	136b4676
		door fan	136b4677
		fan filter	136b4678
		output fan K3G190	136b4901

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Cable name	origin	end			wires		cross-section	length					
Cable designation	from	to		Cable type	total	free	mm²	m	revision-date	revision-index	Function text target		
-W1	-X	Q1 L1.1/L2.1/L3.1/PE			4	0	min. 50/25 max. 185/90				feed cable 3x400V/50Hz		
-W2.1	Q1	busbar X1 L1		Nsgaföu	1	0	50				feed cable AAF 007		
-W2.2	Q1	busbar X1 L2		Nsgaföu	1	0	50				feed cable AAF 007		
-W2.3	Q1	busbar X1 L3		Nsgaföu	1	0	50				feed cable AAF 007		
-W3.1	Q1	Q2		Nsgaföu	1	0	1,5				supply line control voltage		
-W3.2	Q1	Q2		Nsgaföu	1	0	1,5				supply line control voltage		
-W3.3	Q1	Q2		Nsgaföu	1	0	1,5				supply line control voltage		
-W4.1	F1.1	U1 L1		Nsgaföu	1	0	16				supply line AAF 007		
-W4.2	F1.2	U1 L2		Nsgaföu	1	0	16				supply line AAF 007		
-W4.3	F1.3	U1 L3		Nsgaföu	1	0	16				supply line AAF 007		
-W5.1	F2.1	U2 L1		Nsgaföu	1	0	16				supply line AAF 007		
-W5.2	F2.2	U2 L2		Nsgaföu	1	0	16				supply line AAF 007		
-W5.3	F2.3	U2 L3		Nsgaföu	1	0	16				supply line AAF 007		

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Terminal block	Terminal conductor definition text	Terminals											
		first	last	Total PE	Total N	Total count							
-X1	fan supply 230V controler	1	3	1	1	3							
-X5	fan supply 230V output fan	1	6	1	1	6							
-X30	CT terminal	1	4	0	0	4							