



Cover page

Product name : AAF-0073B04-275AE54

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

Control voltage : 200-240V AC

Signal voltage : ./.

Filter current : 275A

max. short-circuit current ICC : 50KA

max. ambient temperature : 40°C

protection class : IP 54

weight : 269Kg

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		tested	06.06.2025			
					Drawing No:	from
					136c0170	20
		Standard				

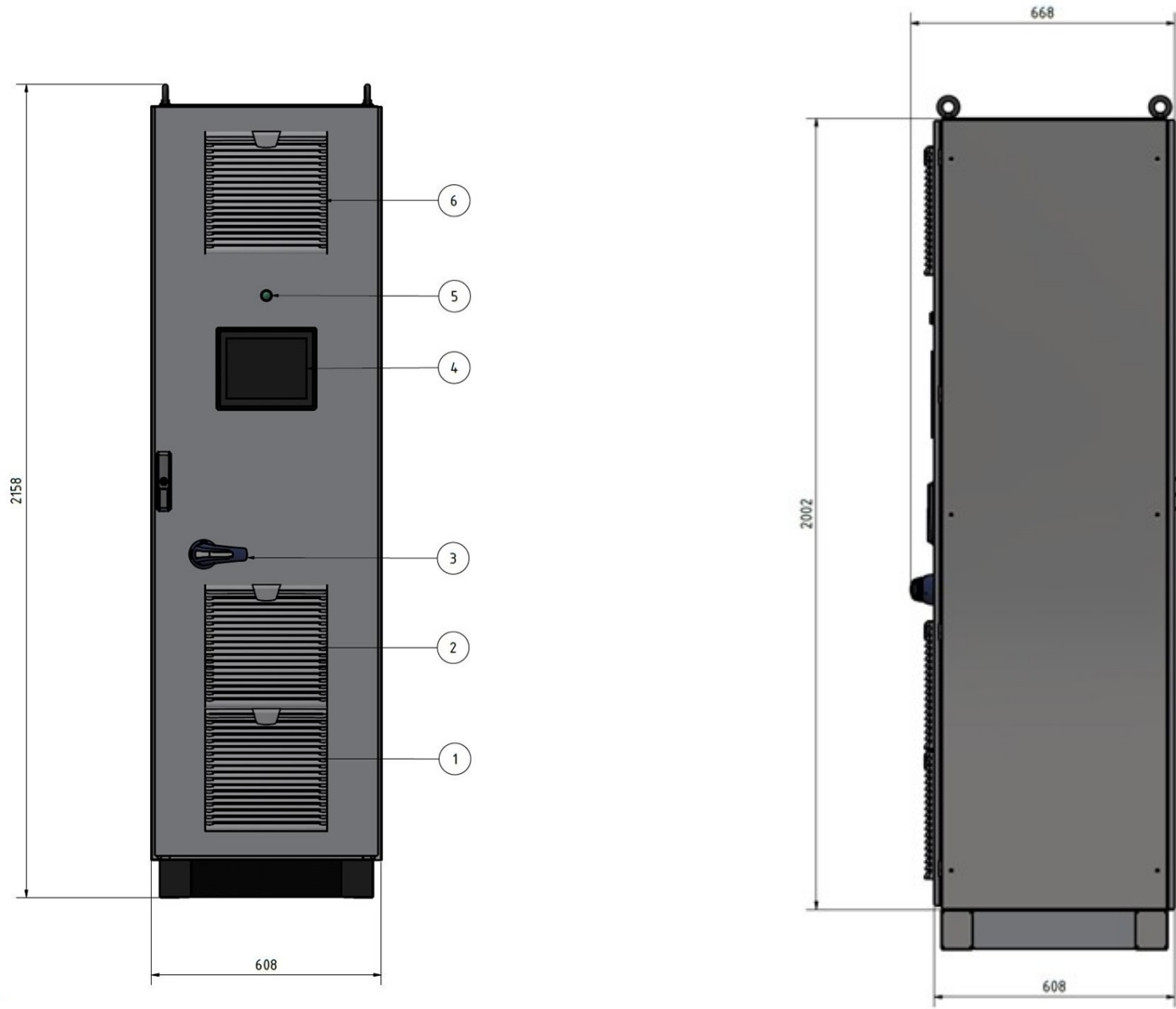


Dangerous voltages can cause electric shock or burns.
Switch off the voltage before working on the device!
Before switching on again, ensure that the device is tightly closed.

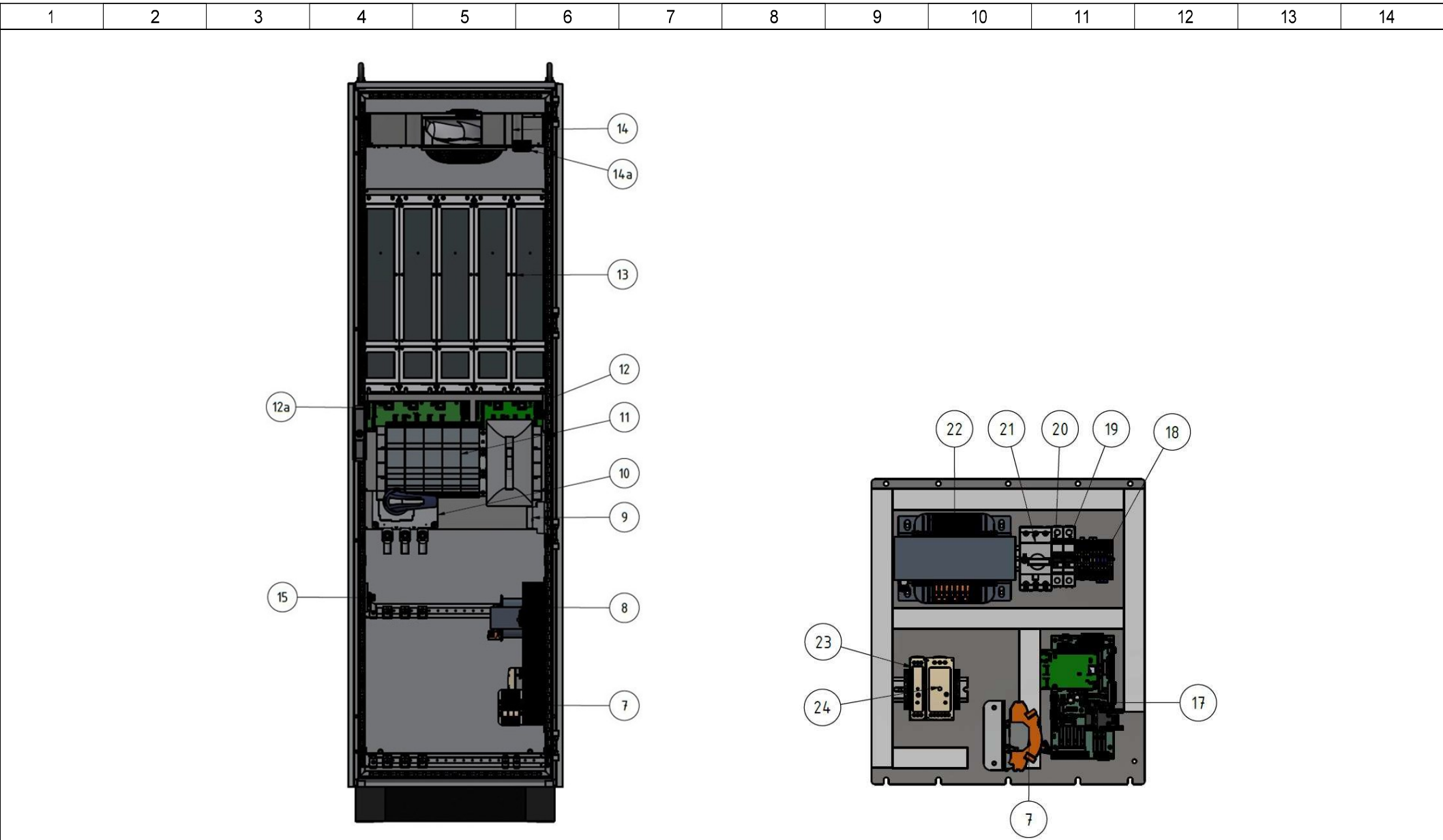
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System	Location	Page	Page naming	Additional page field	Date	Editor
		1	Cover page		05.06.2025	
		2	Warning		05.06.2025	
		3	table of contents		05.06.2025	
		4	drawing cabinet outside		05.06.2025	
		5	drawing cabinet inside		05.06.2025	
		6	Cabinet legend outside		05.06.2025	
		7	Cabinet legend inside		05.06.2025	
		8	schematic diagram open loop		05.06.2025	
		9	schematic diagram closed loop		05.06.2025	
		10	power supply circuit diagram		05.06.2025	
		11	main circuit filter connection U3-U5		05.06.2025	
		12	main circuit filter connection U1-U2		05.06.2025	
		13	auxiliary voltage circuit 230V		05.06.2025	
		14	Control shunting board A12		05.06.2025	
		15	Control shunting board A13		05.06.2025	
		16	Control board A14 / costumer terminals		05.06.2025	
		17	Related spareparts and accessories		05.06.2025	
		18	cable overview 1		05.06.2025	
		19	cable overview 2		05.06.2025	
		20	terminal overview		05.06.2025	

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		Standard			136c0170	20

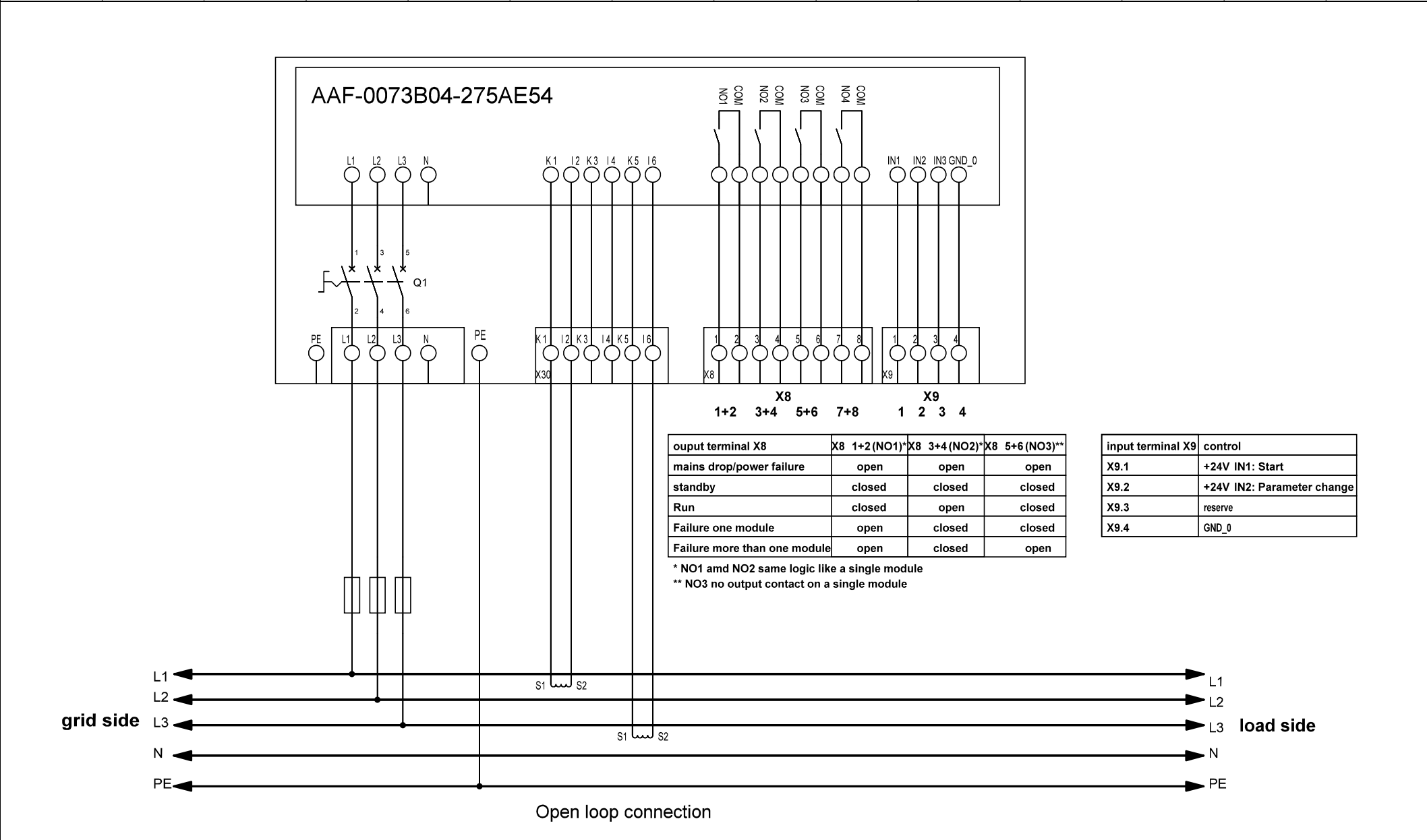


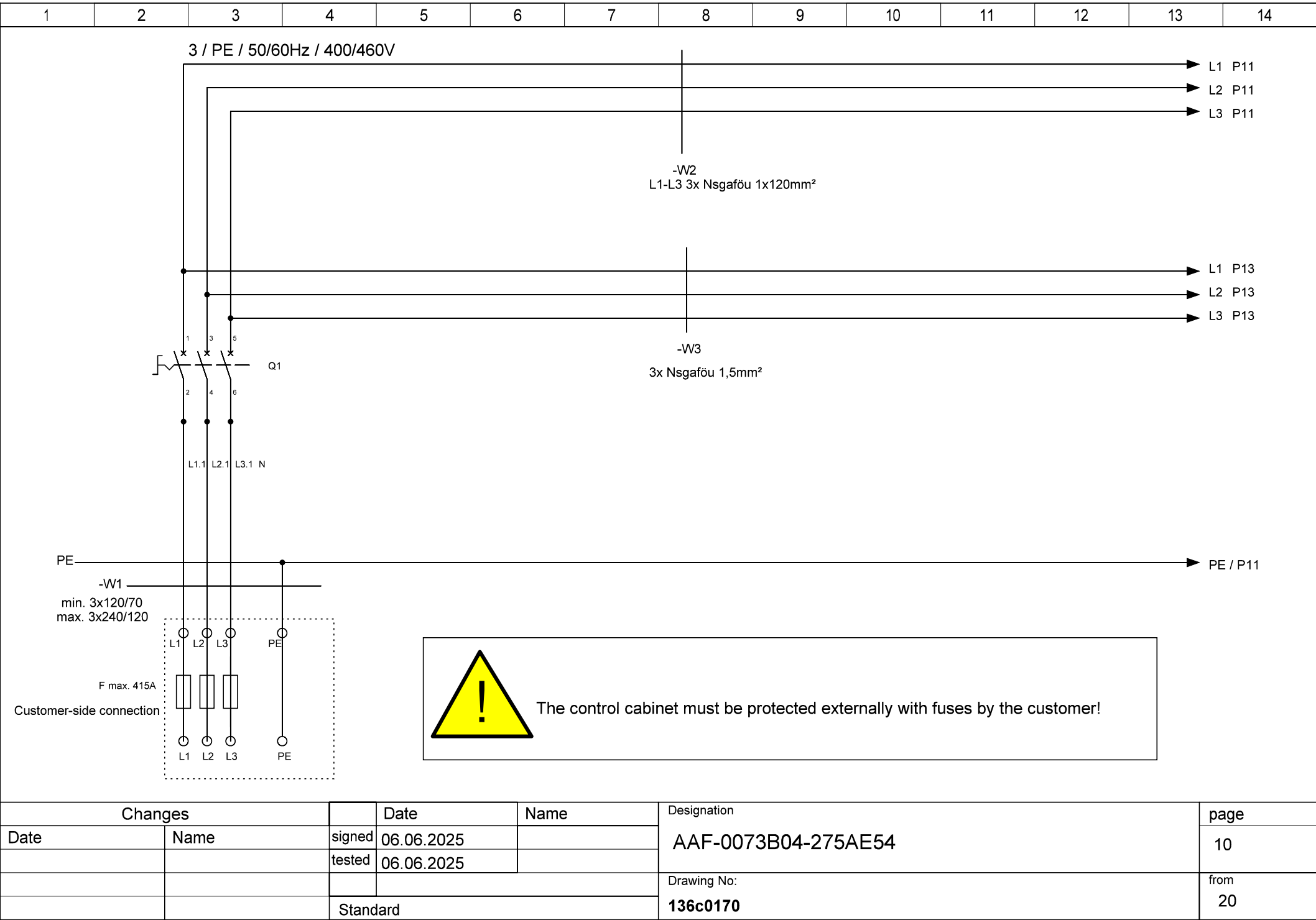
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		Standard				

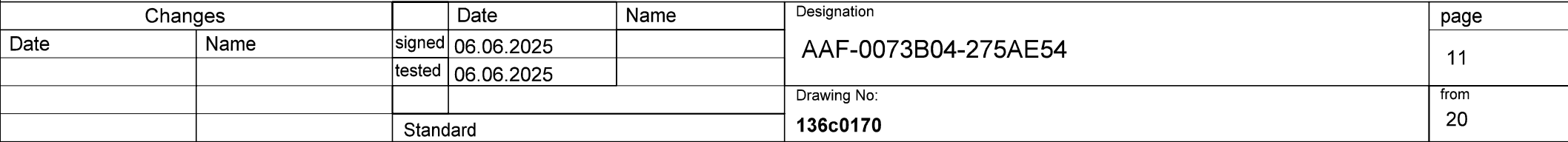
Position number	Component name	Type designation	comment
1	M1	SK intake EC fan EC 890 m³/h	U=100-250V/AC
2	M2	SK intake EC fan EC 890 m³/h	U=100-250V/AC
3	Q1	Switch disconnecter switch toggle	I=400A
4	A20	HMI	10.1 inch capacitive touch
5	H1	signal light	red / green
6	M3	outlet filter	pleated filter

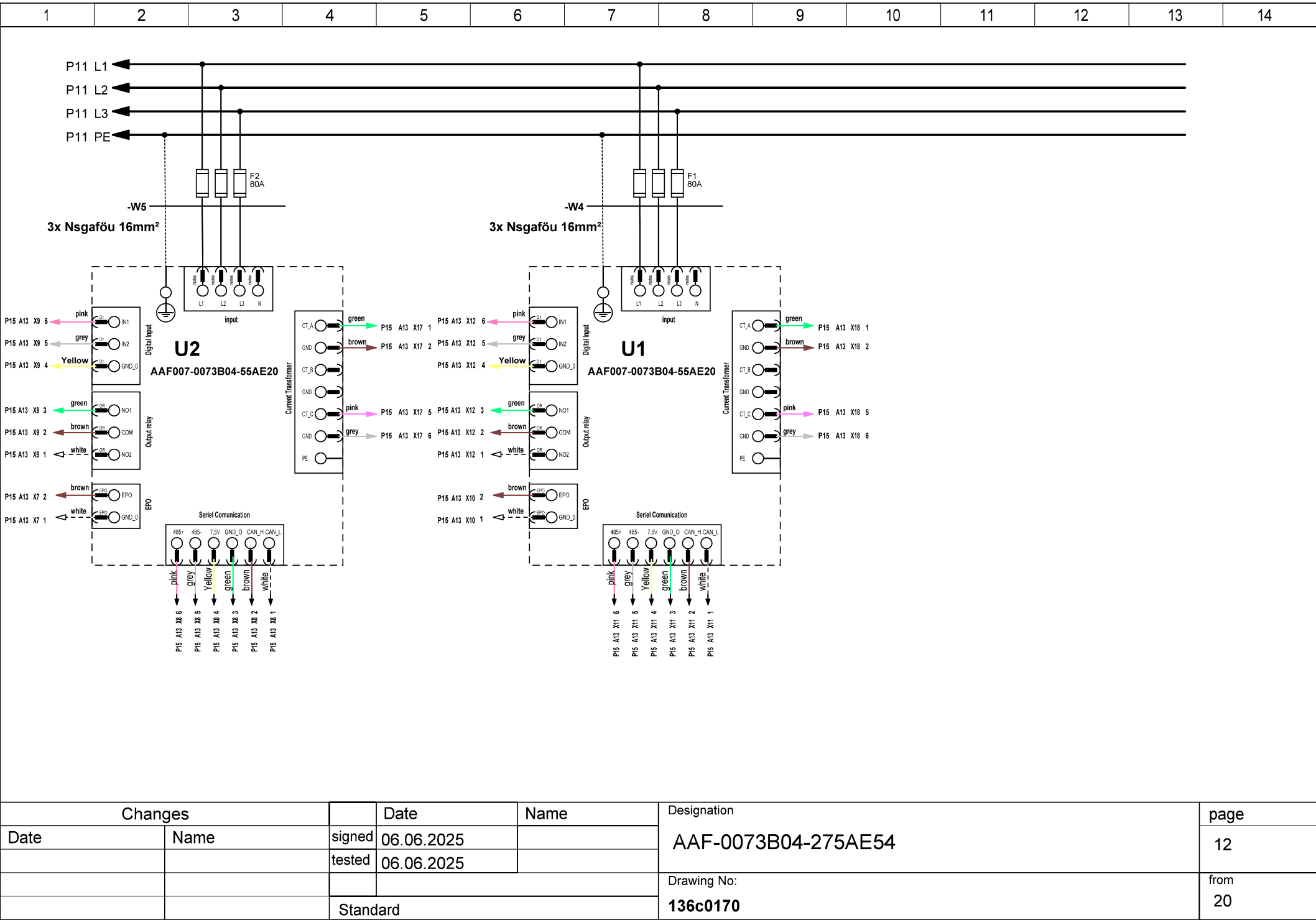
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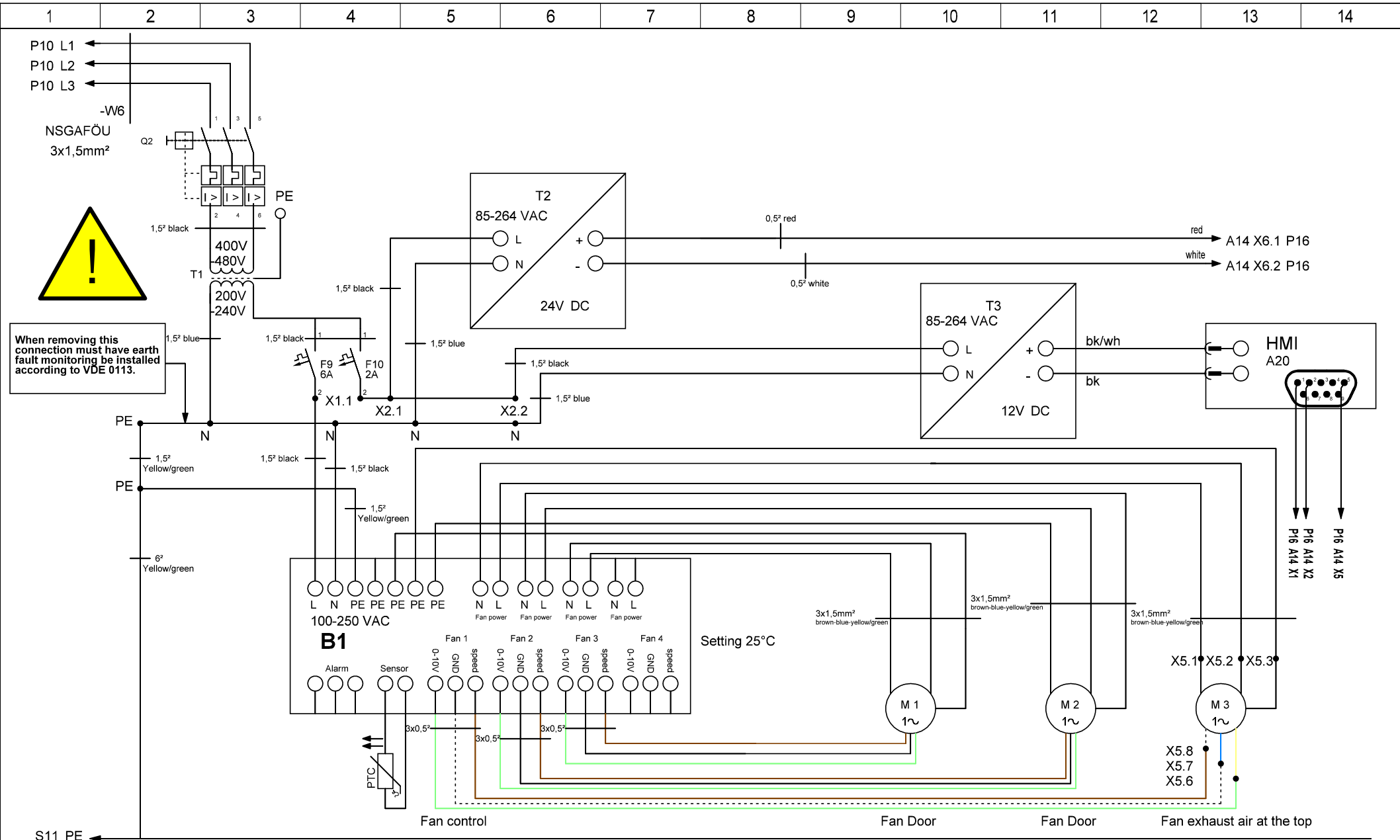
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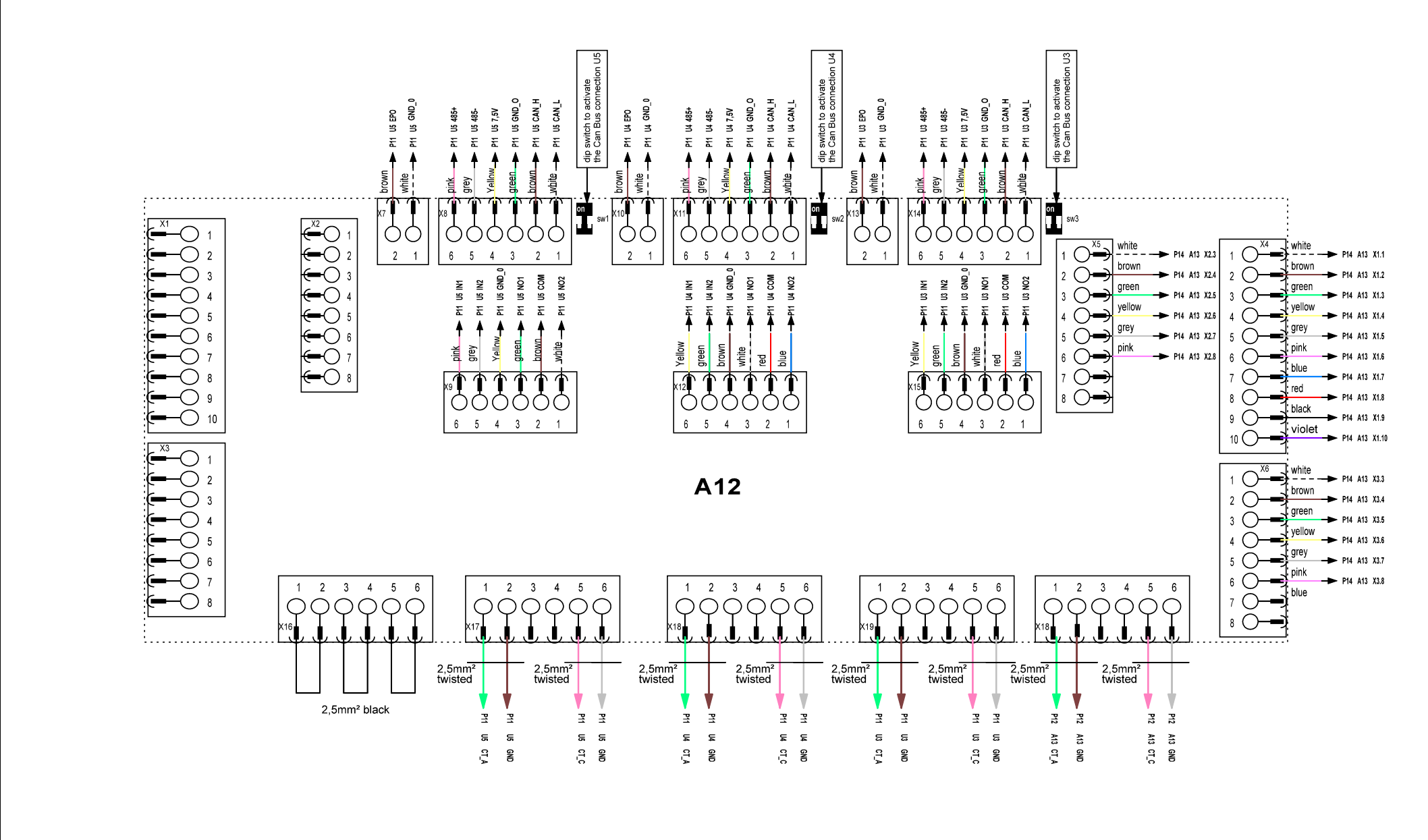




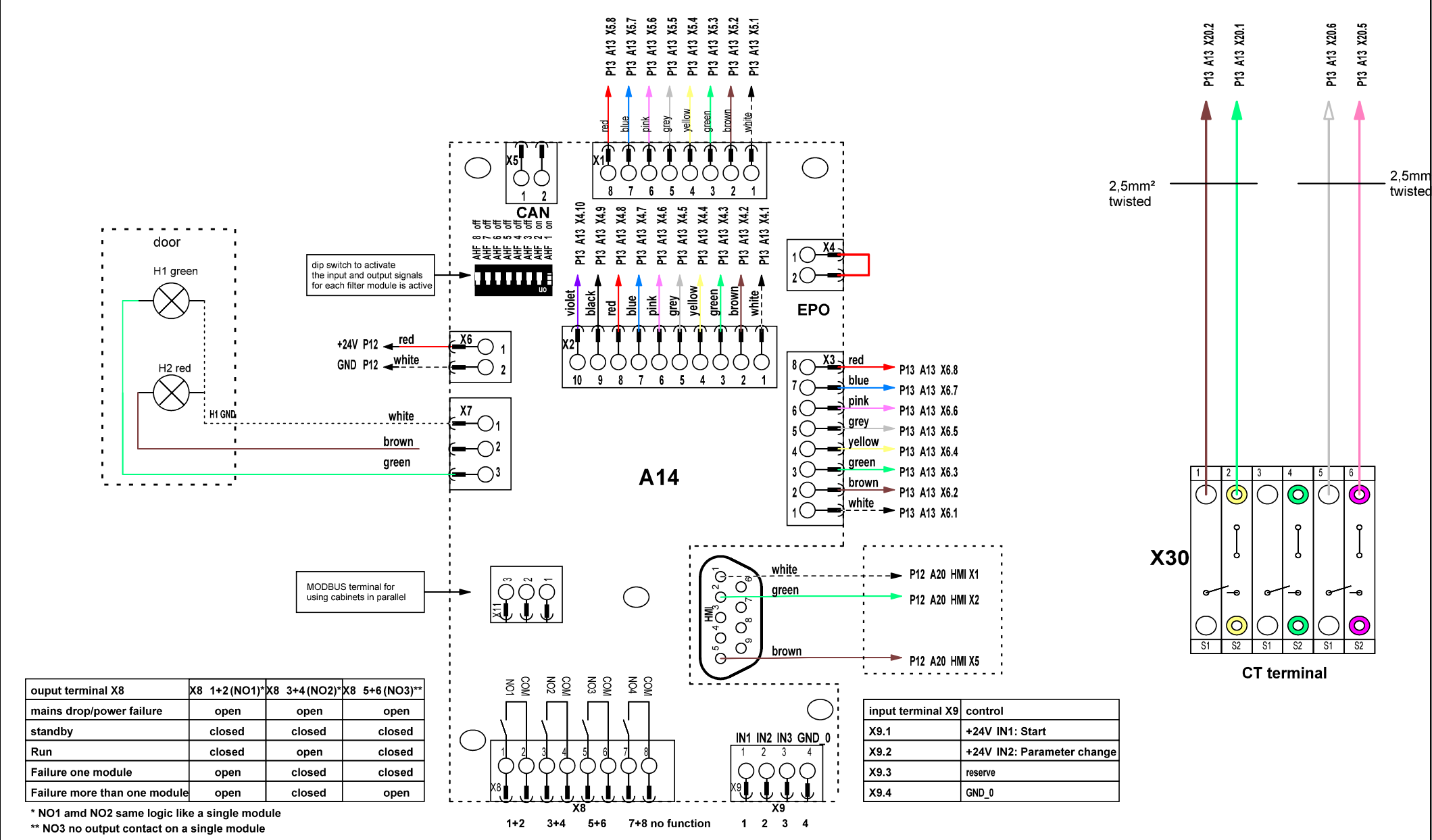




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1	2	3	4	5	6	7	8	9	10	11	12	13	14
Cable name	origin	end		wires		cross-section	length						
Cable designation	from	to	Cable type	total	free	mm²	m	revision-date	revision-index	Function text target			
-W1	-X	Q1 L1.1/L2.1/L3.1/PE		4	0	min. 120/70 max. 240/120					feed cable 3x400V/50Hz		
-W2.1	Q1	busbar X1 L1	Nsgaföu	1	0	120					feed cable AAF 007		
-W2.2	Q1	busbar X1 L2	Nsgaföu	1	0	120					feed cable AAF 007		
-W2.3	Q1	busbar X1 L3	Nsgaföu	1	0	120					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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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				
-W6.1	F3.1	U3 L1	Nsgaföu	1	0	16				supply line AAF 007				
-W6.2	F3.2	U3 L2	Nsgaföu	1	0	16				supply line AAF 007				
-W6.3	F3.3	U3 L3	Nsgaföu	1	0	16				supply line AAF 007				
-W7.1	F4.1	U4 L1	Nsgaföu	1	0	16				supply line AAF 007				
-W7.2	F4.2	U4 L2	Nsgaföu	1	0	16				supply line AAF 007				
-W7.3	F4.3	U4 L3	Nsgaföu	1	0	16				supply line AAF 007				
-W8.1	F5.1	U5 L1	Nsgaföu	1	0	16				supply line AAF 007				
-W8.2	F5.2	U5 L2	Nsgaföu	1	0	16				supply line AAF 007				
-W8.3	F5.3	U5 L3	Nsgaföu	1	0	16				supply line AAF 007				
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1	2	3	4	5	6	7	8	9	10	11	12	13	14
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							