



Cover page

Product name : AAF-0073B04-300AE54

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

Control voltage : 200-240V AC

Signal voltage : ./.

Filter current : 300A

max. short-circuit current ICC : 50KA

max. ambient temperature : 40°C

protection class : IP 54

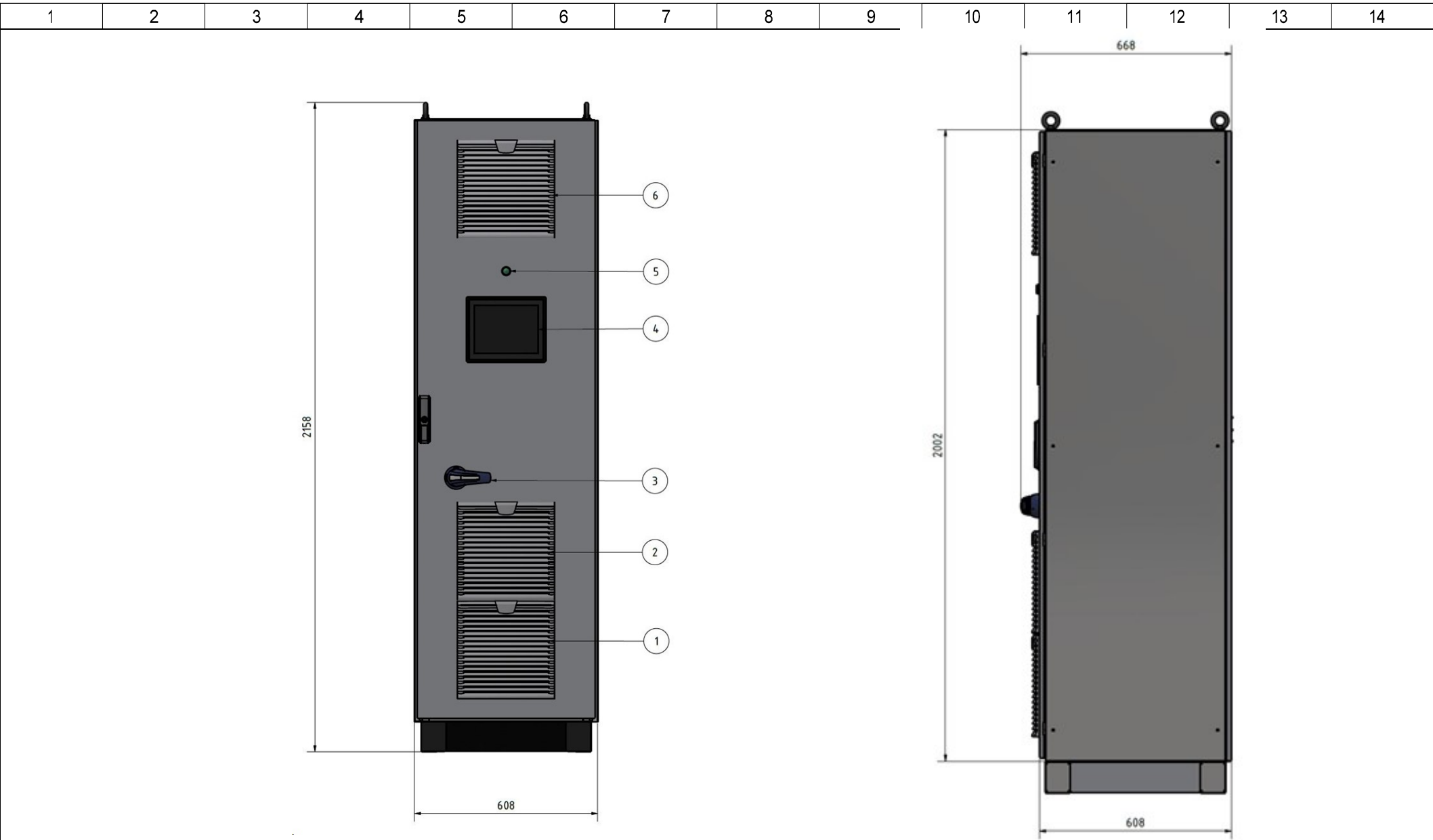
weight : 248Kg

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		tested	06.06.2025			
					Drawing No:	from
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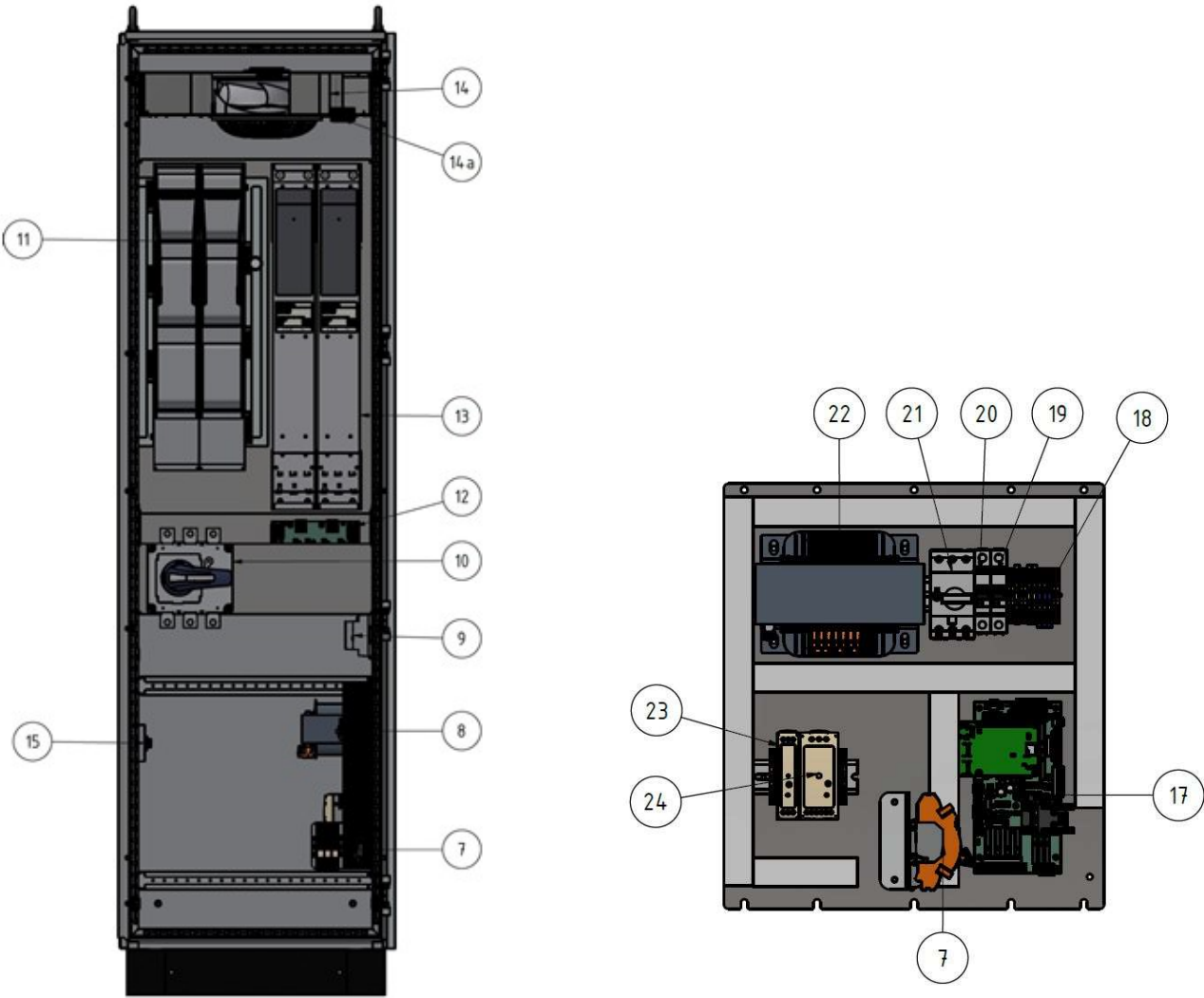


Dangerous voltages can cause electric shock or burns.
Switch off the voltage before working on the device!
Before switching on again, ensure that the device is tightly closed.

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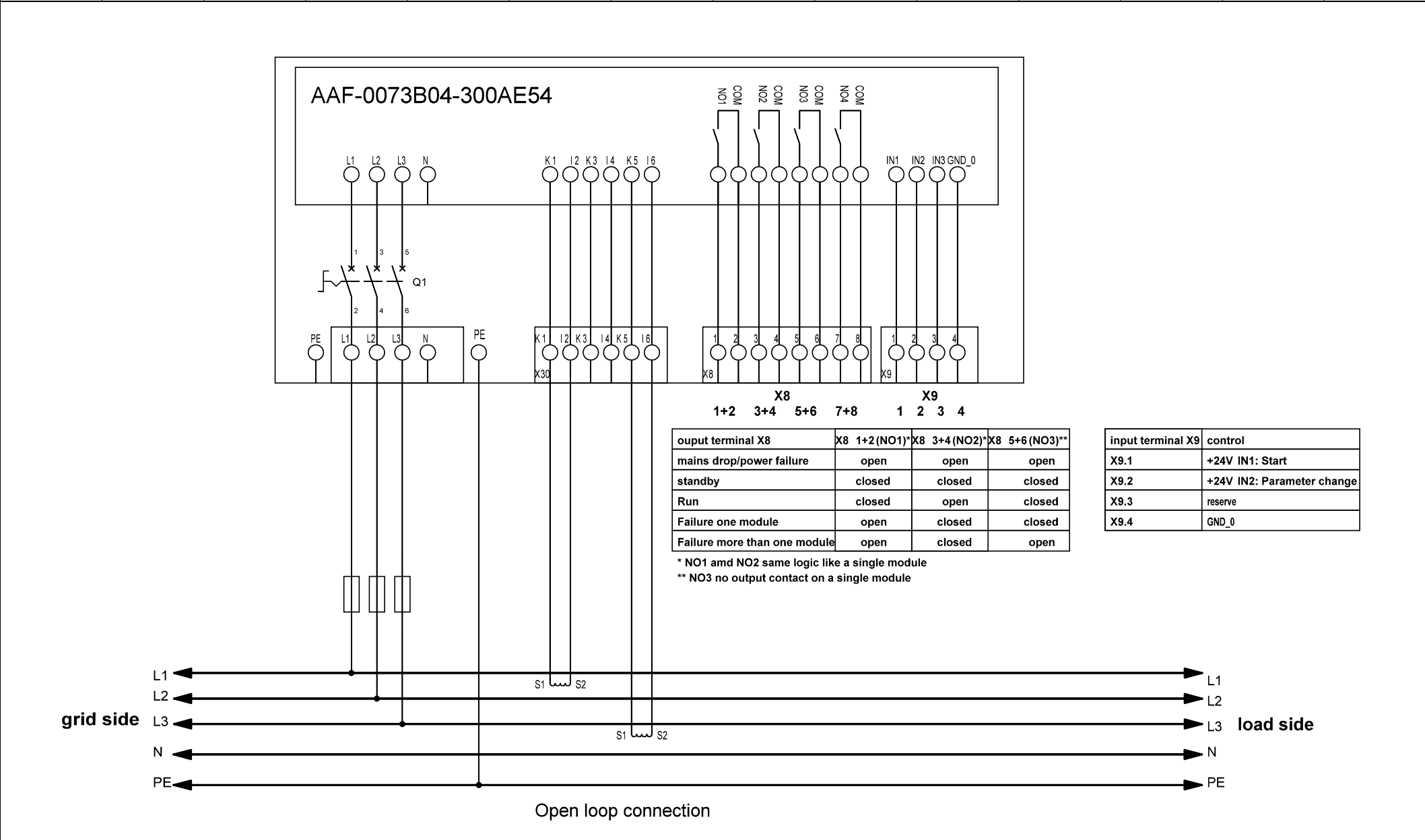
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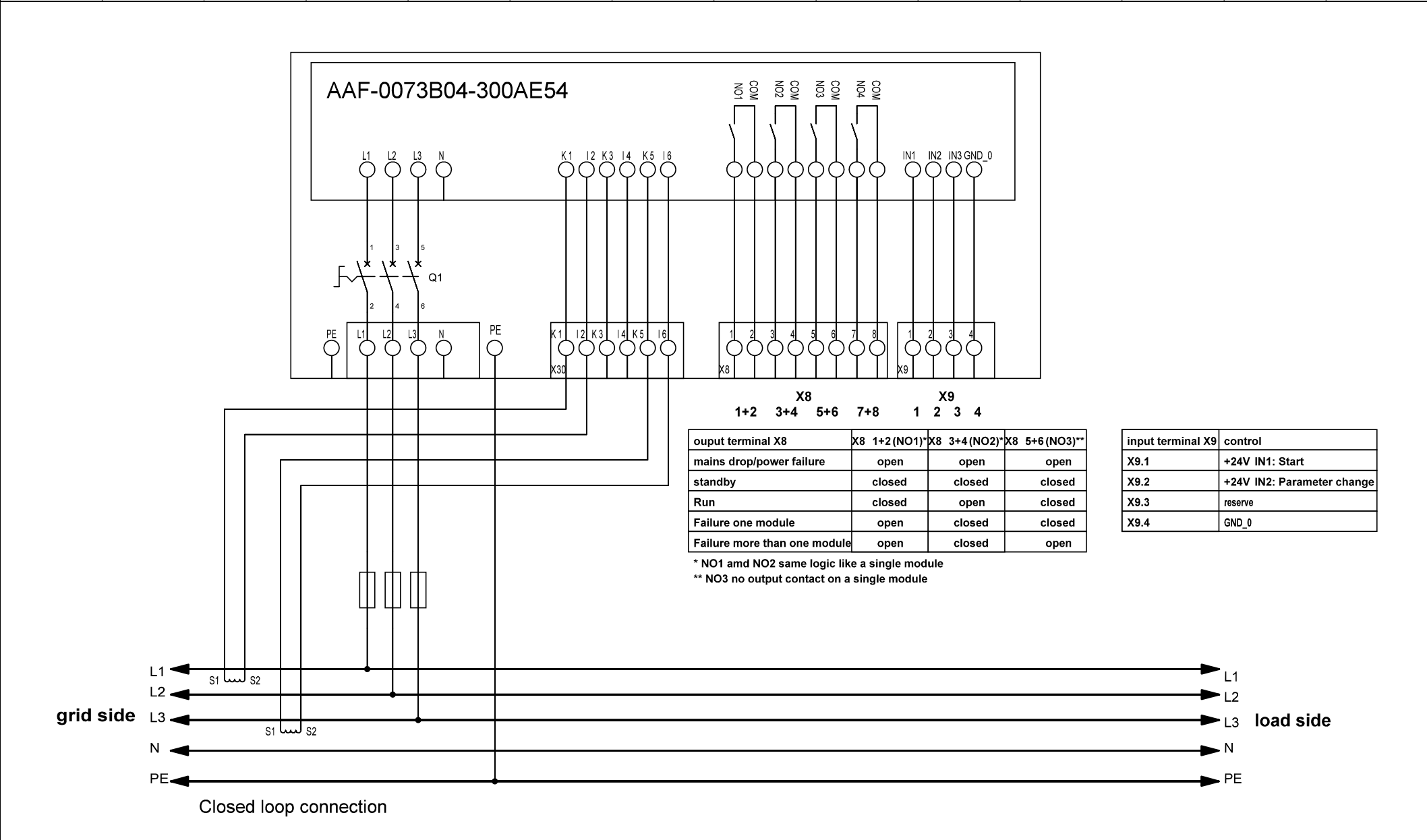
Position number	Component name	Type designation	comment
1	M1	SK intake EC fan EC 890 m³/h	U=100-250V/AC
2	M2	SK intake EC fan EC 890 m³/h	U=100-250V/AC
3	Q1	Switch disconnecter switch toggle	I=400A
4	A20	HMI	10.1 inch capacitive touch
5	H1	signal light	red / green
6	M3	outlet filter	pleated filter

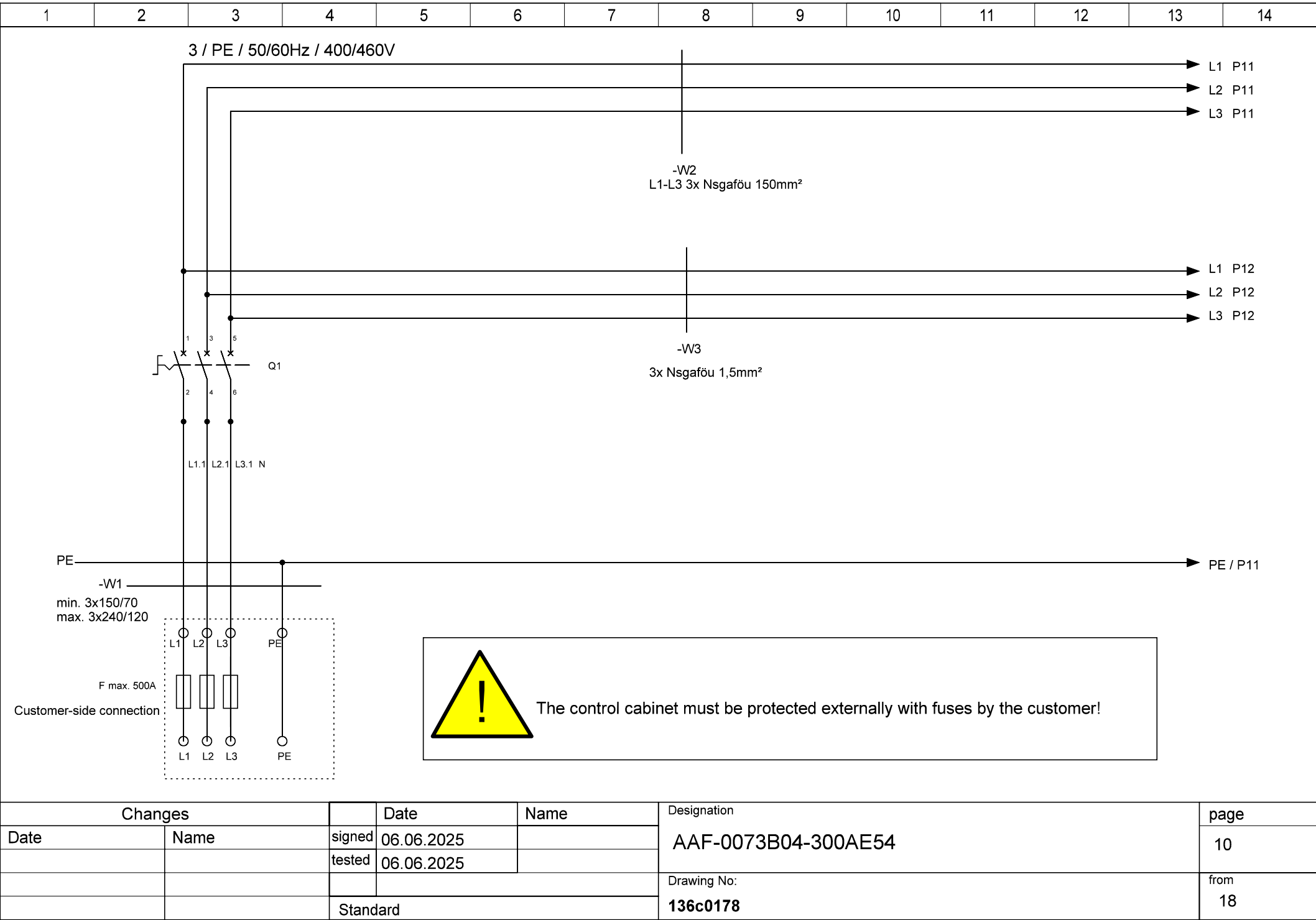
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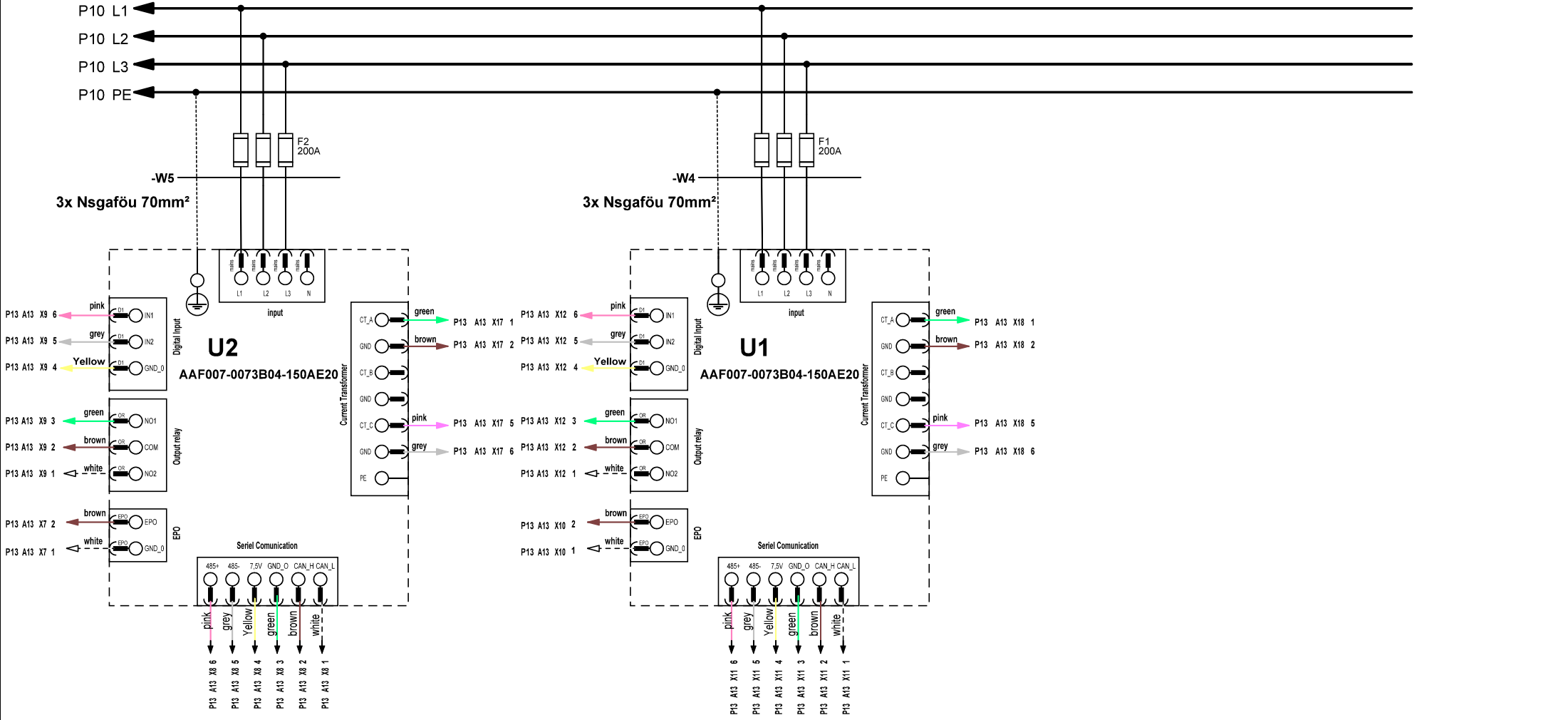
Position number	Component name	Type designation	comment
7	X30	STME 5-CT terminals	Single-wire conductor: 0,5 ... 10 mm² / 20 ... 8 AWG Fine-wire conductor with wire-end-sleeve 2,5* ... 6 mm² / 14 ... 10 AWG
8	A30	control voltage supply board	
9	B1	temperature controler for EC fans	U=100-250V/AC
10	Q1	load break swit	I=400A
11	F1-F2	busbar system with fuses 200A	NH Gr1 200A/500V
12	A13	patch board for 2pcs. AAF007	board for the distribution of control signals and current measurement
13	U1-U2	2 pcs. AAF007-0073B04-150AE20	AHF 007 150A 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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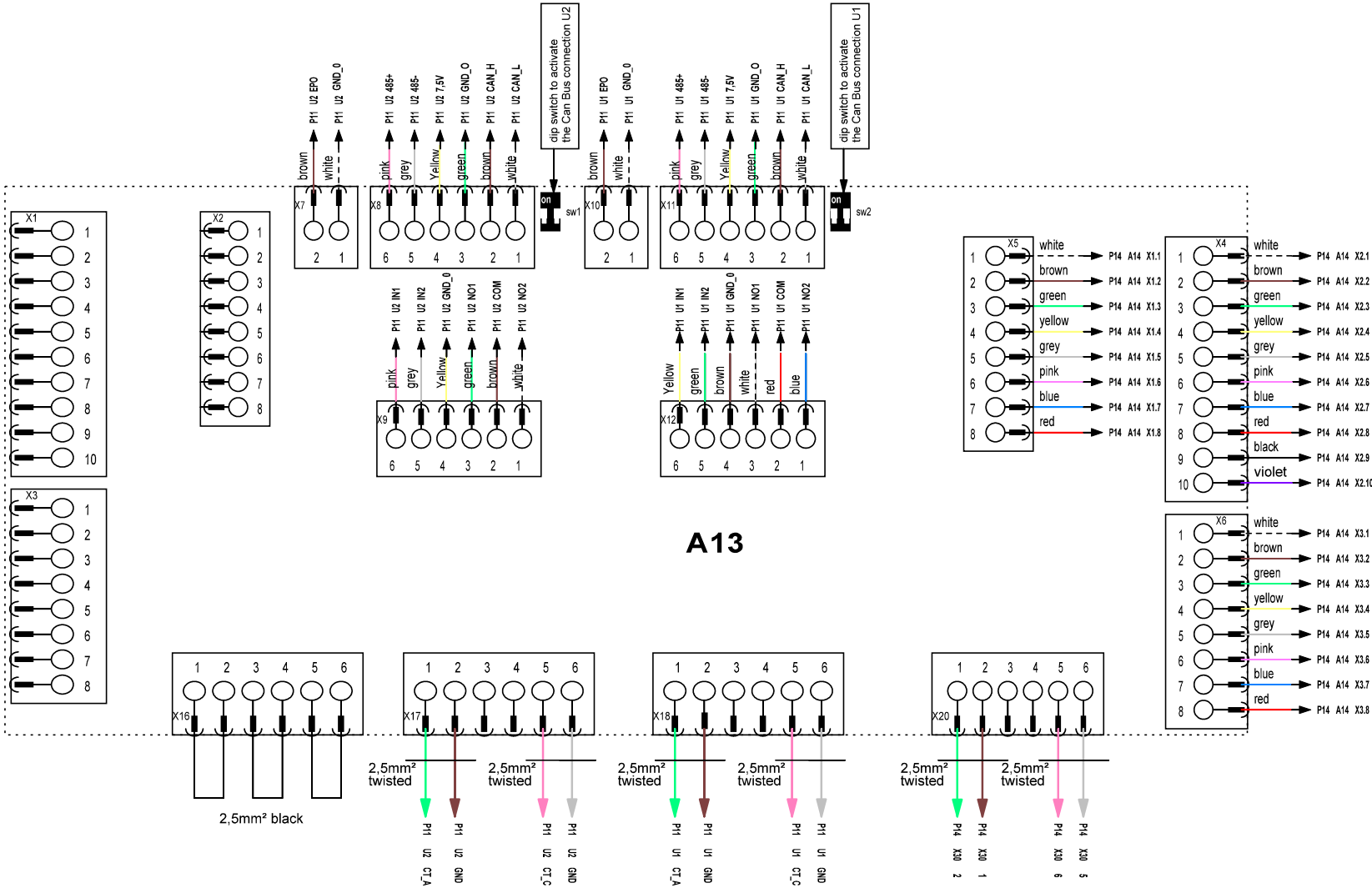








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<table><tr><th colspan="4">Related spareparts and accessories - Part numbers</th></tr><tr><th>accessories</th><th>Part numbers</th><th>spare</th><th>Part numbers</th></tr><tr><td>Current transformer 800A (+VD05)</td><td>136b3269</td><td>AAF-0073B04-150A0E20</td><td>137N1454</td></tr><tr><td>Current transformer 1000A (+VD07)</td><td>136b3271</td><td>Cabinet CT terminal Block</td><td>136b4665</td></tr><tr><td>HMI (+BF50)</td><td>136b4686</td><td>Power supply HMI</td><td>136b4666</td></tr><tr><td>Plint 100mm x 600mm</td><td>136b4752</td><td>Power supply Control PCB</td><td>136b4667</td></tr><tr><td colspan="2" rowspan="8"></td><td>cover IEC main switch</td><td>136b4668</td></tr><tr><td>NH01 200A</td><td>136b4671</td></tr><tr><td>Control board</td><td>136b4673</td></tr><tr><td>shunting board 2 pcs</td><td>136b4674</td></tr><tr><td>speed controller for fan</td><td>136b4676</td></tr><tr><td>door fan</td><td>136b4677</td></tr><tr><td>fan filter</td><td>136b4678</td></tr><tr><td>output fan VBH0225</td><td>136b4679</td></tr></table>														Related spareparts and accessories - Part numbers				accessories	Part numbers	spare	Part numbers	Current transformer 800A (+VD05)	136b3269	AAF-0073B04-150A0E20	137N1454	Current transformer 1000A (+VD07)	136b3271	Cabinet CT terminal Block	136b4665	HMI (+BF50)	136b4686	Power supply HMI	136b4666	Plint 100mm x 600mm	136b4752	Power supply Control PCB	136b4667			cover IEC main switch	136b4668	NH01 200A	136b4671	Control board	136b4673	shunting board 2 pcs	136b4674	speed controller for fan	136b4676	door fan	136b4677	fan filter	136b4678	output fan VBH0225	136b4679
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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. 150/70 max. 240/120				feed cable 3x400V/50Hz			
-W2.1	Q1	busbar X1 L1		Nsgaföu	1	0	150				feed cable AAF 007			
-W2.2	Q1	busbar X1 L2		Nsgaföu	1	0	150				feed cable AAF 007			
-W2.3	Q1	busbar X1 L3		Nsgaföu	1	0	150				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	70				supply line AAF 007			
-W4.2	F1.2	U1 L2		Nsgaföu	1	0	70				supply line AAF 007			
-W4.3	F1.3	U1 L3		Nsgaföu	1	0	70				supply line AAF 007			
-W5.1	F2.1	U2 L1		Nsgaföu	1	0	70				supply line AAF 007			
-W5.2	F2.2	U2 L2		Nsgaföu	1	0	70				supply line AAF 007			
-W5.3	F2.3	U2 L3		Nsgaföu	1	0	70				supply line AAF 007			
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Cable designation	from	to	Cable type	total	free	mm²	m	revision-date	revision-index	Function text target			
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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							