



Cover page

Product name : AAF-0073B04-220AE54

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

Control voltage : 200-240V AC

Signal voltage : ./.

Filter current : 220A

max. short-circuit current ICC : 50KA

max. ambient temperature : 40°C

protection class : IP 54

weight : 250Kg

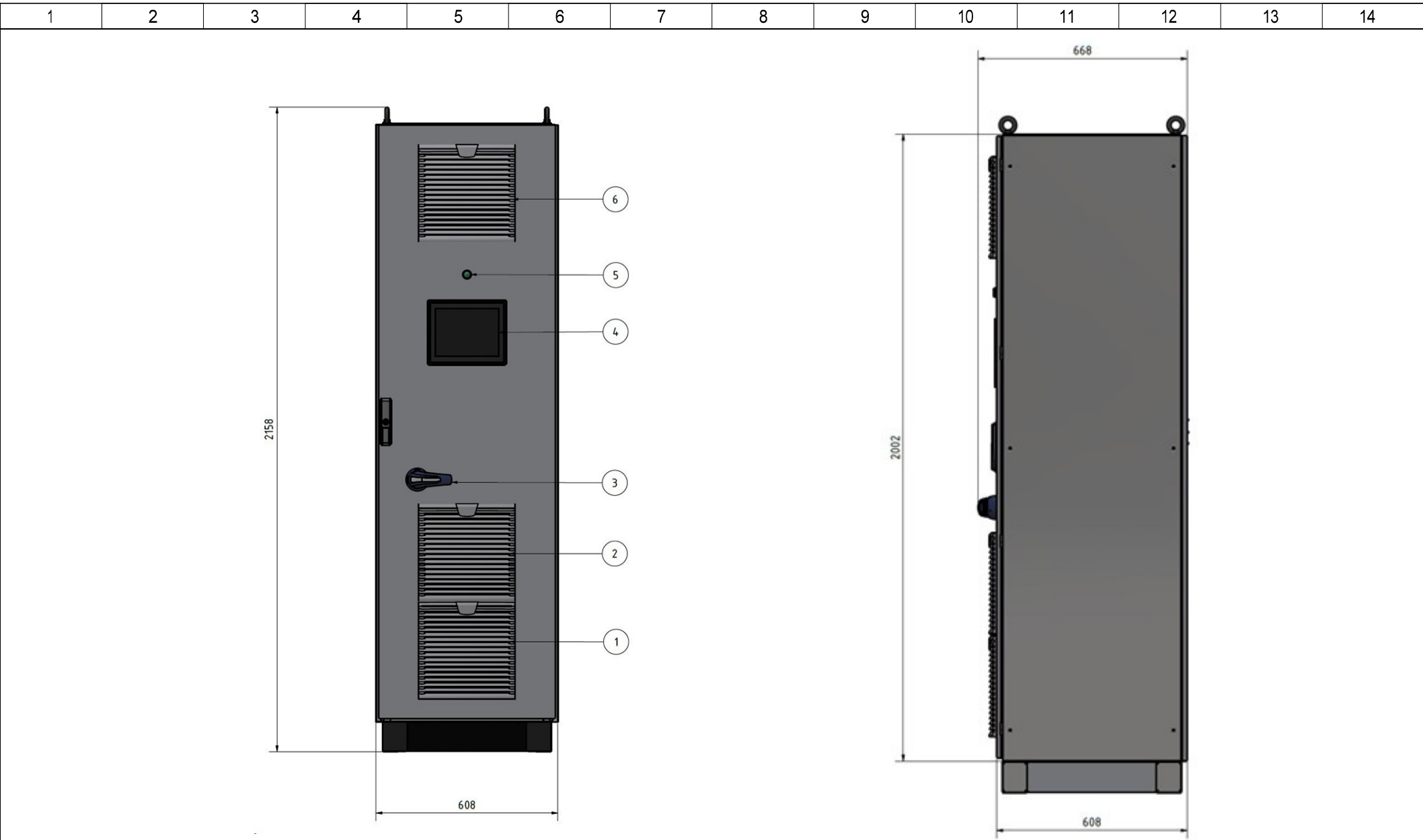
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Date	Name	signed	05.06.2025		AAF-0073B04-220AE54	1
		tested	05.06.2025			
					Drawing No:	from
					136c0169	20
		Standard				



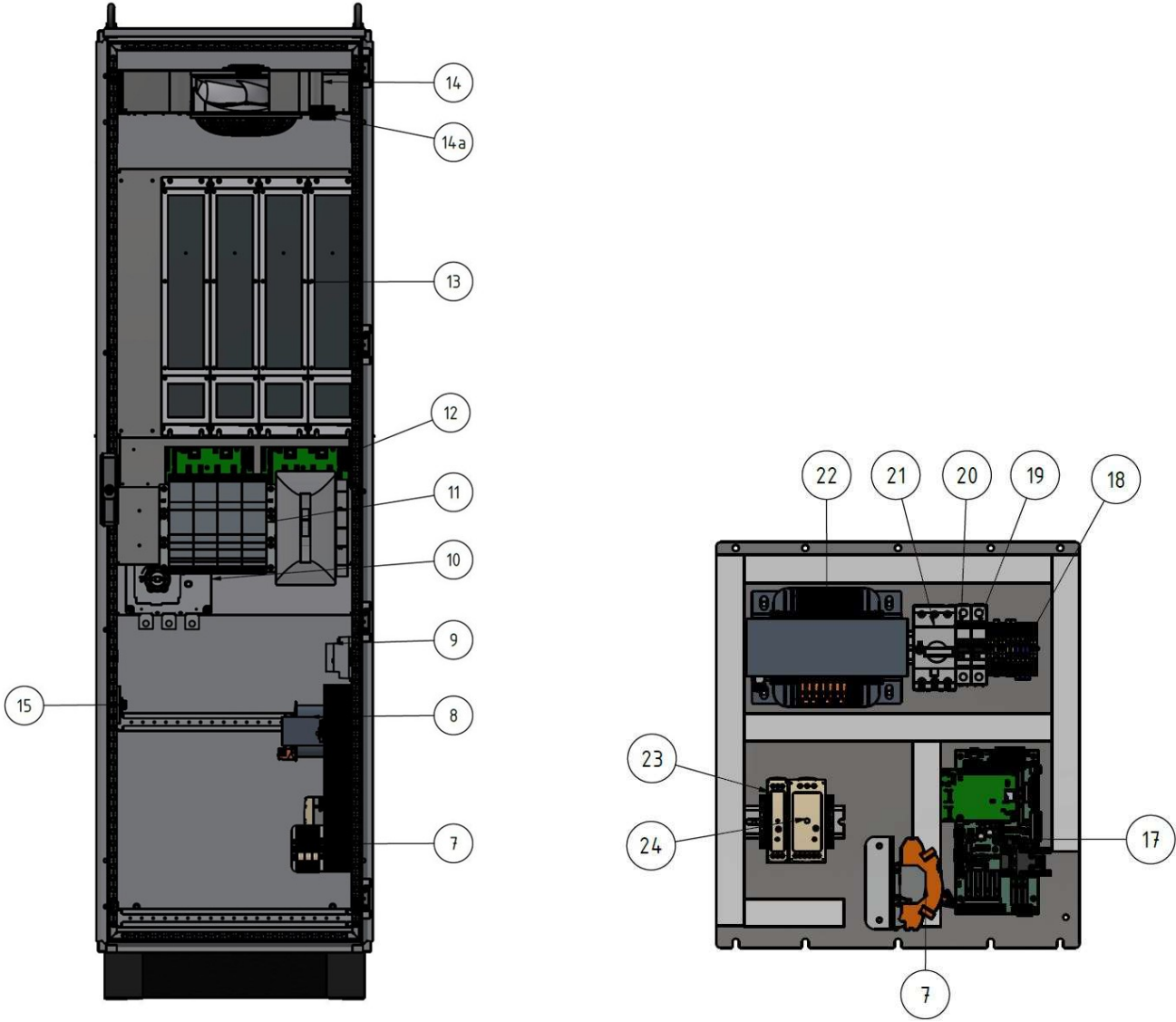
Dangerous voltages can cause electric shock or burns.
Switch off the voltage before working on the device!
Before switching on again, ensure that the device is tightly closed.

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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-U4							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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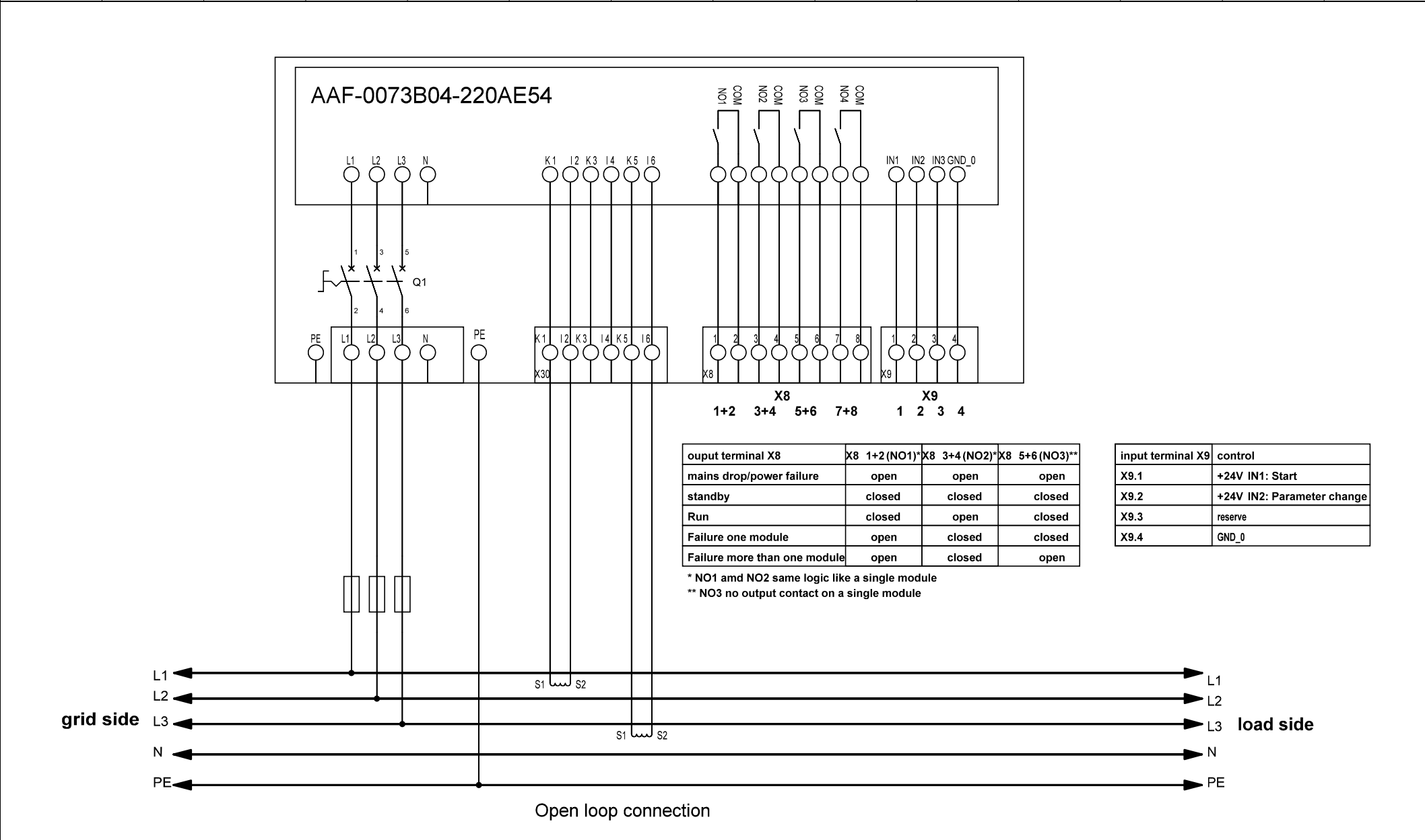


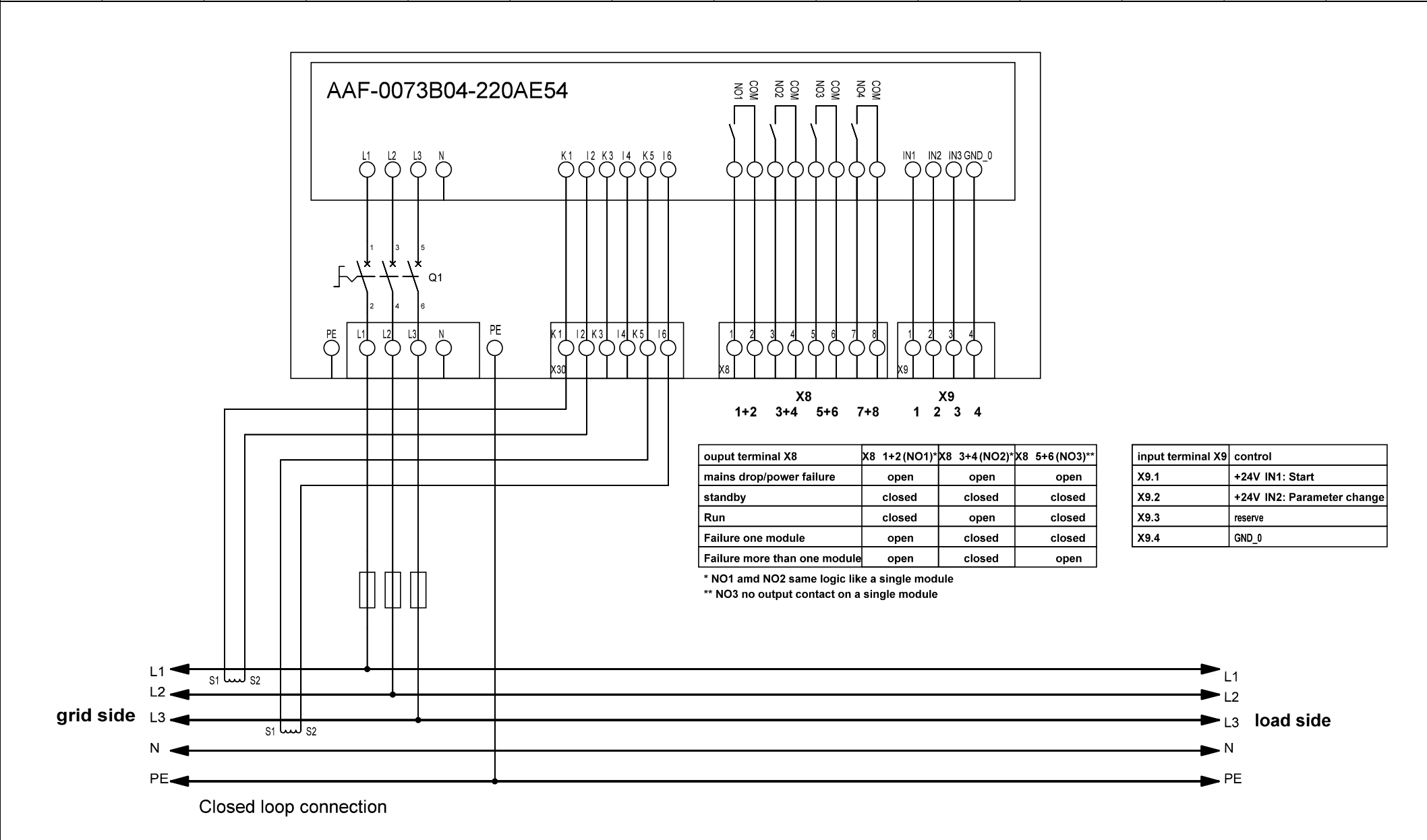
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Position number	Component name	Type designation	comment
1	M1	SK intake EC fan EC 890 m³/h	U=100-250V/AC
2	M2	SK intake EC fan EC 890 m³/h	U=100-250V/AC
3	Q1	Switch disconnecter switch toggle	I=400A
4	A20	HMI	10.1 inch capacitive touch
5	H1	signal light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

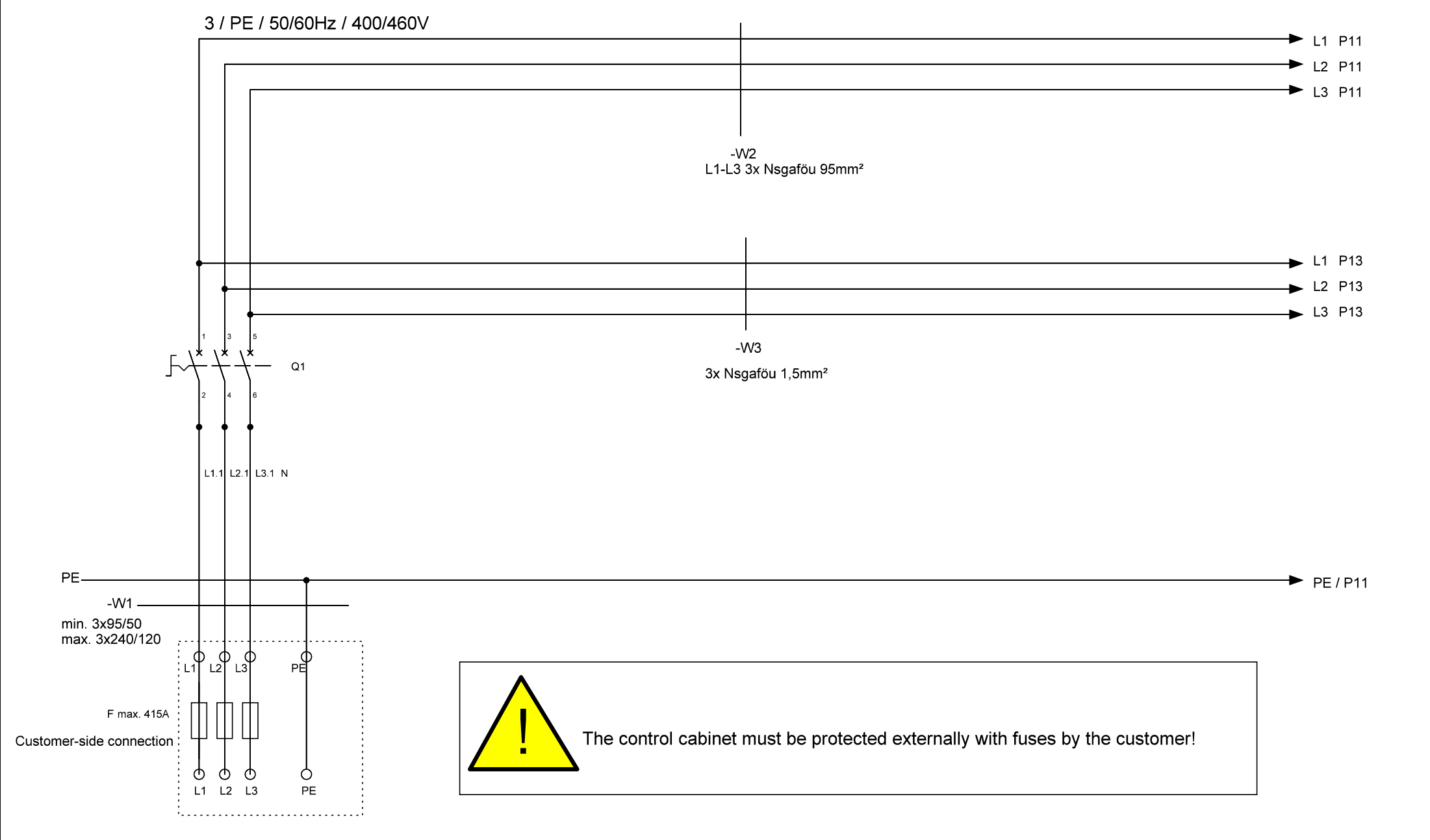
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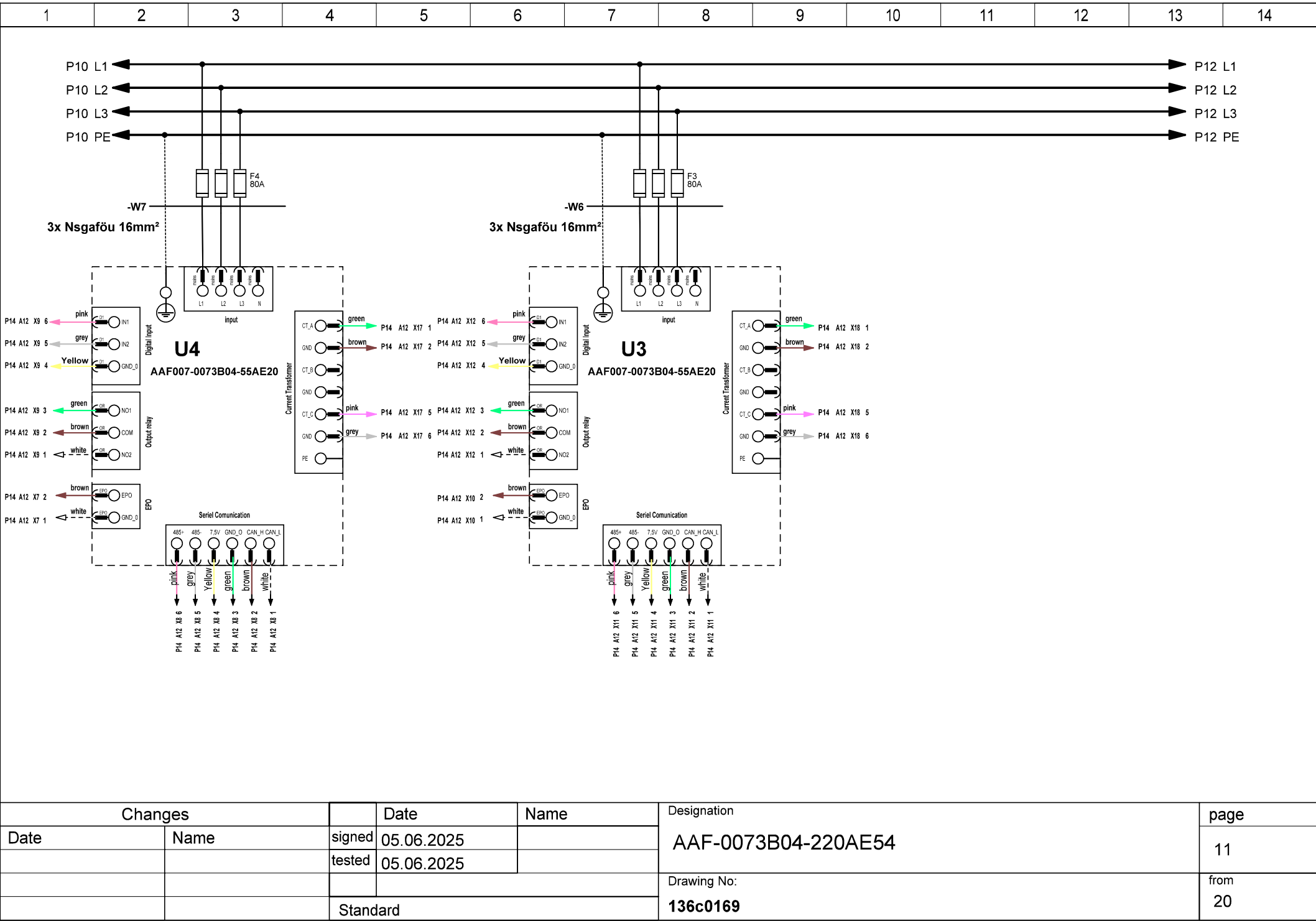


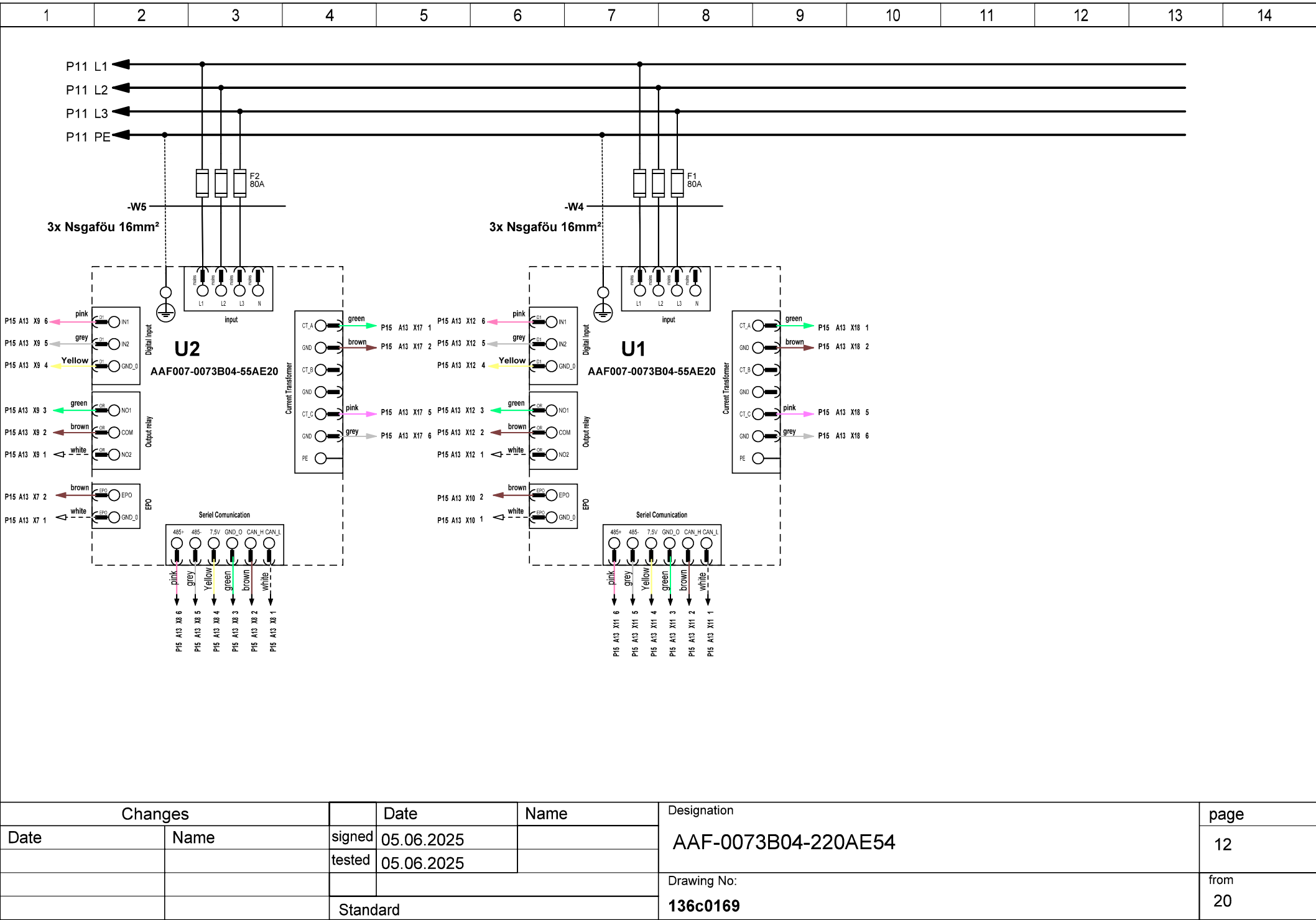


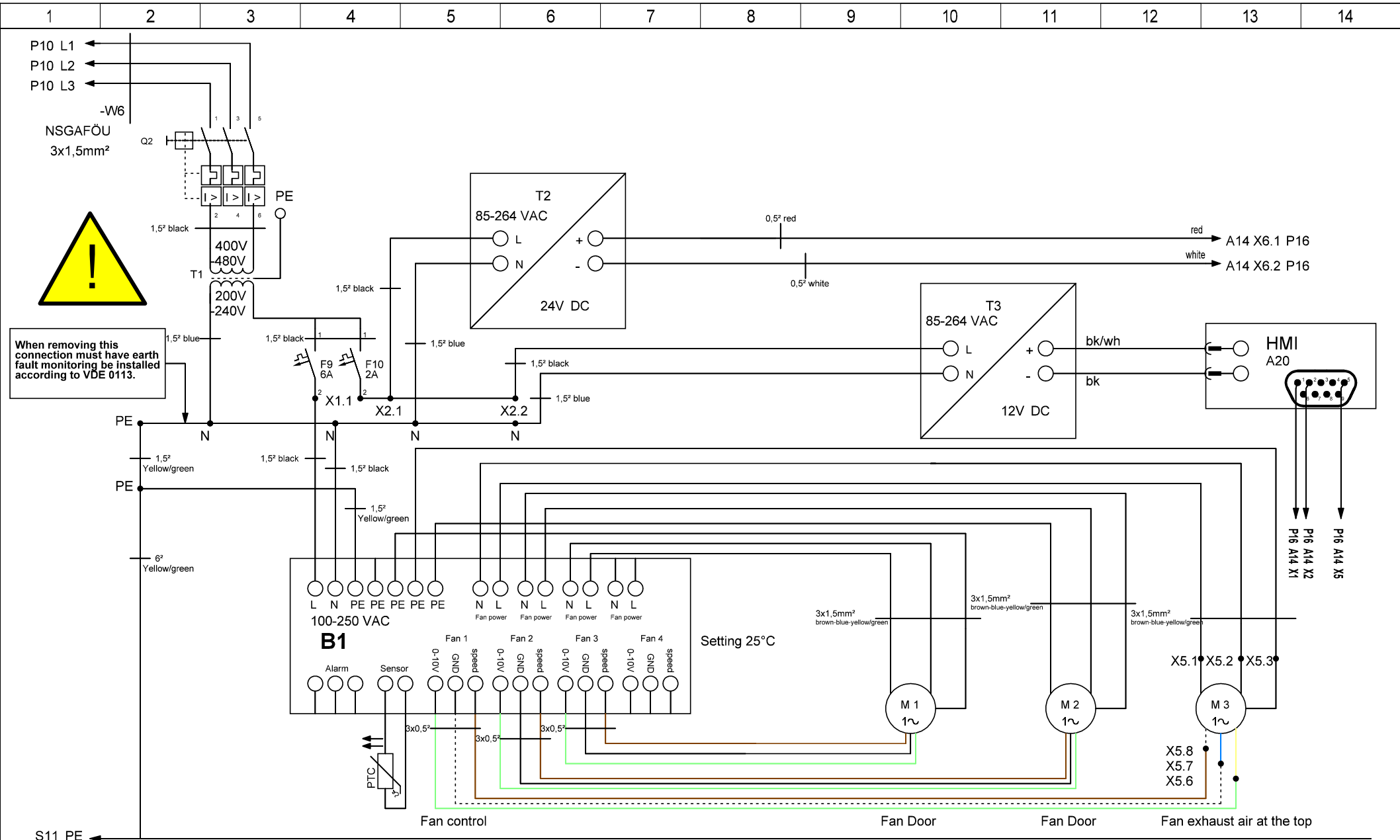
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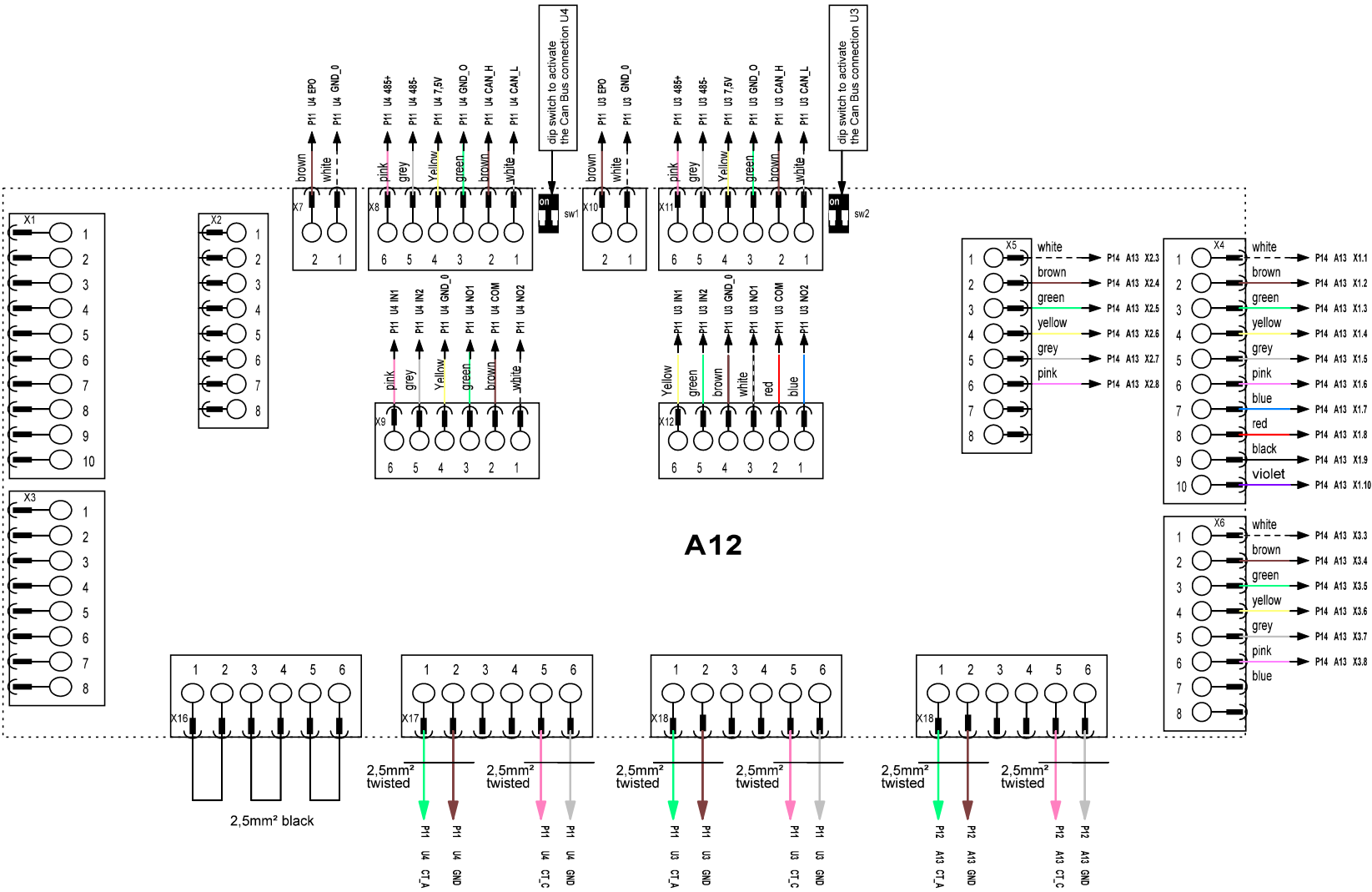
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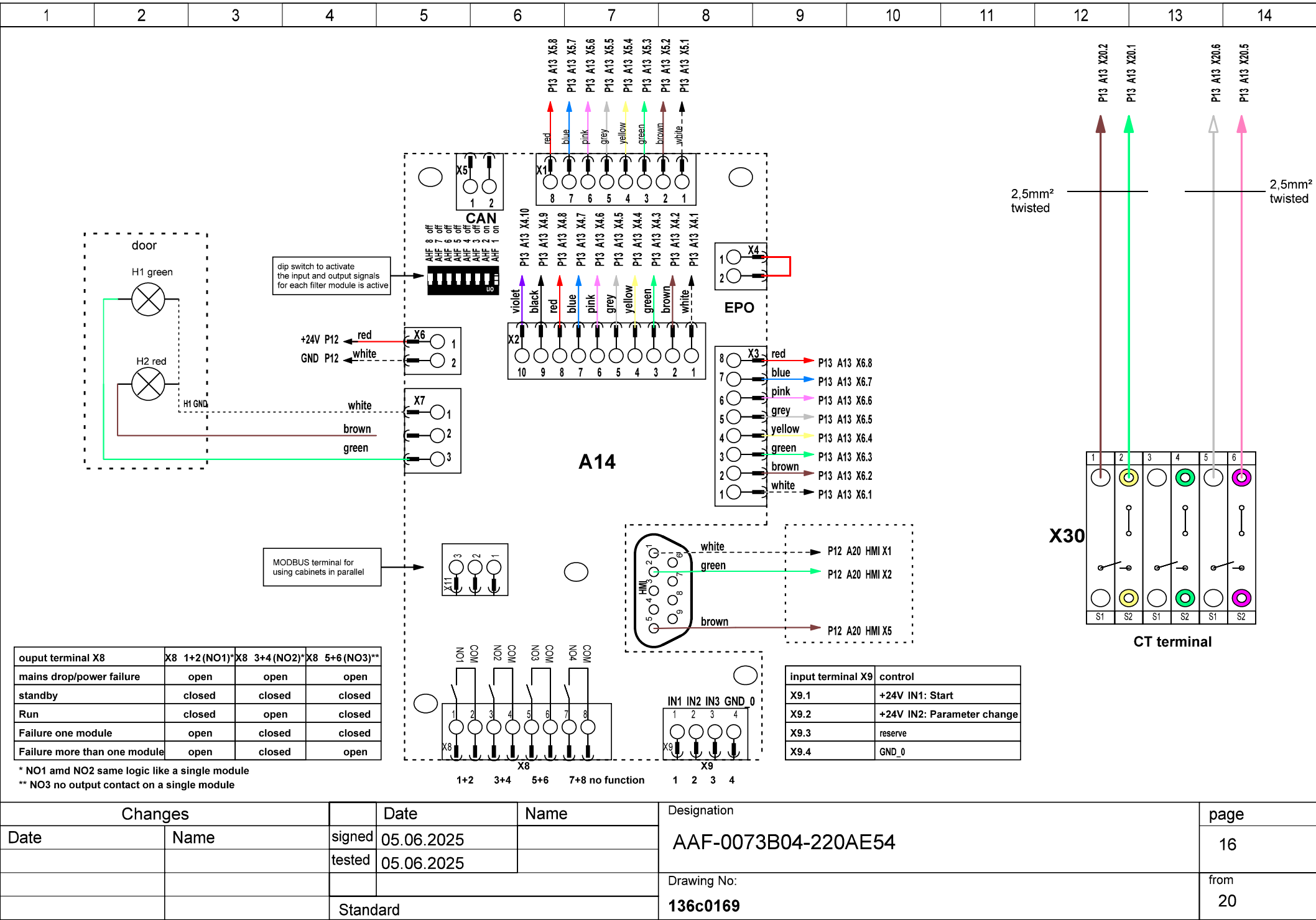


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			Standard		



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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 600A (+VD04)</td><td>136b3268</td><td>AAF-0073B04-55A0E20</td><td>137G3610</td></tr><tr><td>Current transformer 900A (+VD06)</td><td>136b3270</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>NH00 80A</td><td>136b4669</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 VBH022</td><td>136b4679</td></tr></table>														Related spareparts and accessories - Part numbers				accessories	Part numbers	spare	Part numbers	Current transformer 600A (+VD04)	136b3268	AAF-0073B04-55A0E20	137G3610	Current transformer 900A (+VD06)	136b3270	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	NH00 80A	136b4669	Control board	136b4673	shunting board 2 pcs	136b4674	speed controller for fan	136b4676	door fan	136b4677	fan filter	136b4678	output fan VBH022	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. 95/50 max. 240/120					feed cable 3x400V/50Hz			
-W2.1	Q1	busbar X1 L1		Nsgaföu	1	0	95					feed cable AAF 007			
-W2.2	Q1	busbar X1 L2		Nsgaföu	1	0	95					feed cable AAF 007			
-W2.3	Q1	busbar X1 L3		Nsgaföu	1	0	95					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			

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							