



Cover page

Product name : AAF-0073B04-150AE54

Operation voltage : 380V-480V / 3~, 50/60Hz
Control voltage : 200-240V AC
Signal voltage : ./.
Filter current : 150A
max. short-circuit current ICC : 50KA
max. ambient temperature : 40°C
protection class : IP 54
weight : 185Kg

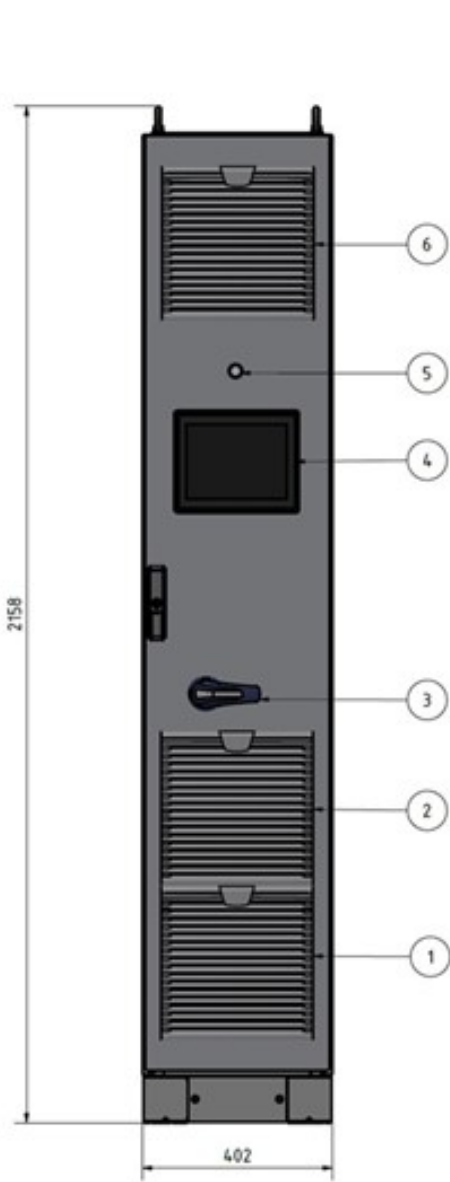
Changes			Date	Name	Designation	page
Date	Name	signed	05.06.2025		AAF-0073B04-150AE54	1
		tested	05.06.2025			
					Drawing No:	from
		Standard			136c0175	16



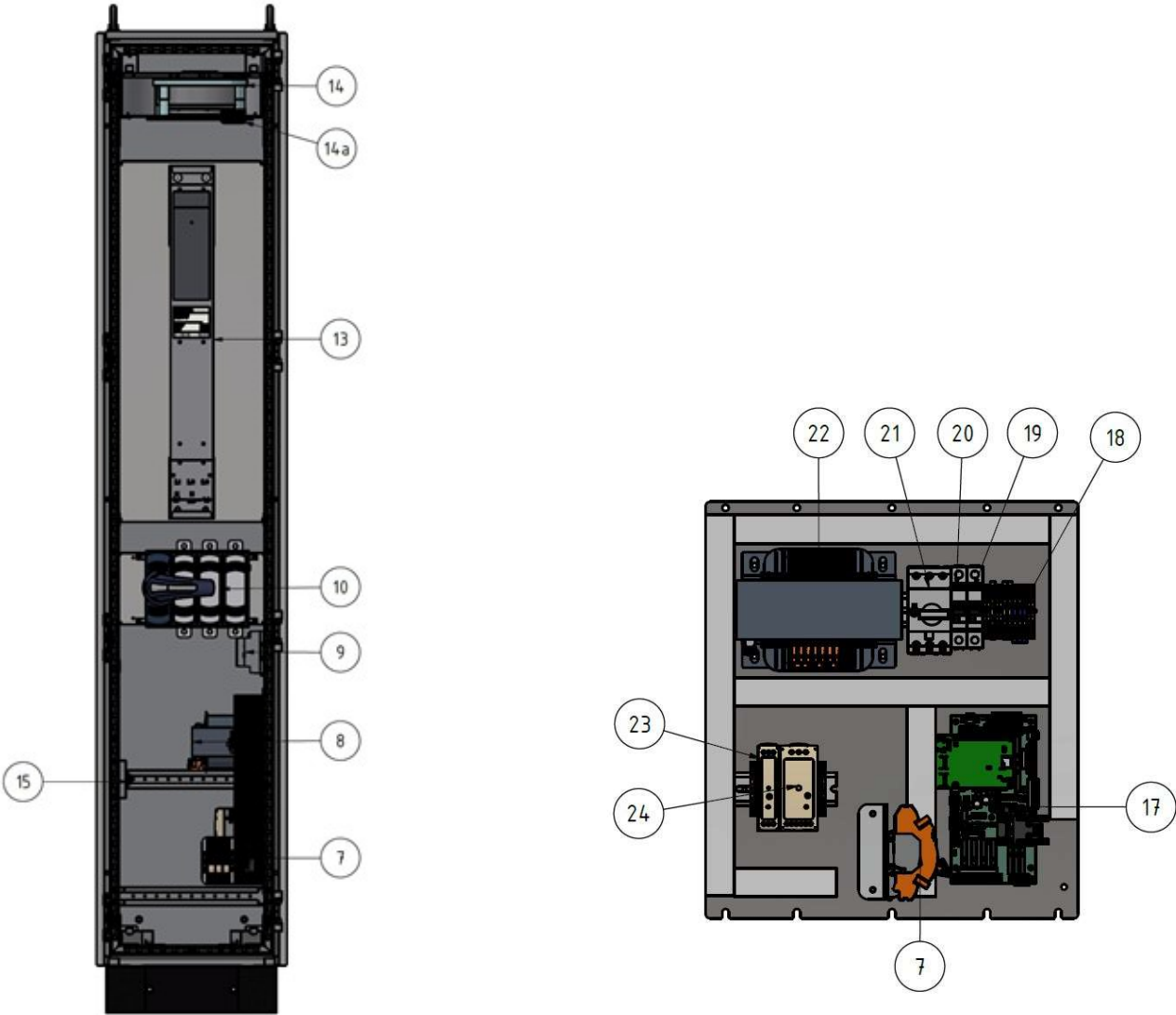
Dangerous voltages can cause electric shock or burns.
Switch off the voltage before working on the device!
Before switching on again, ensure that the device is tightly closed.

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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 U1							05.06.2025		
			12	auxiliary voltage circuit 230V							05.06.2025		
			13	Control board A14 / costumer terminals							05.06.2025		
			14	Related spareparts and accessories							05.06.2025		
			15	cable overview 1							05.06.2025		
			16	terminal overview							05.06.2025		



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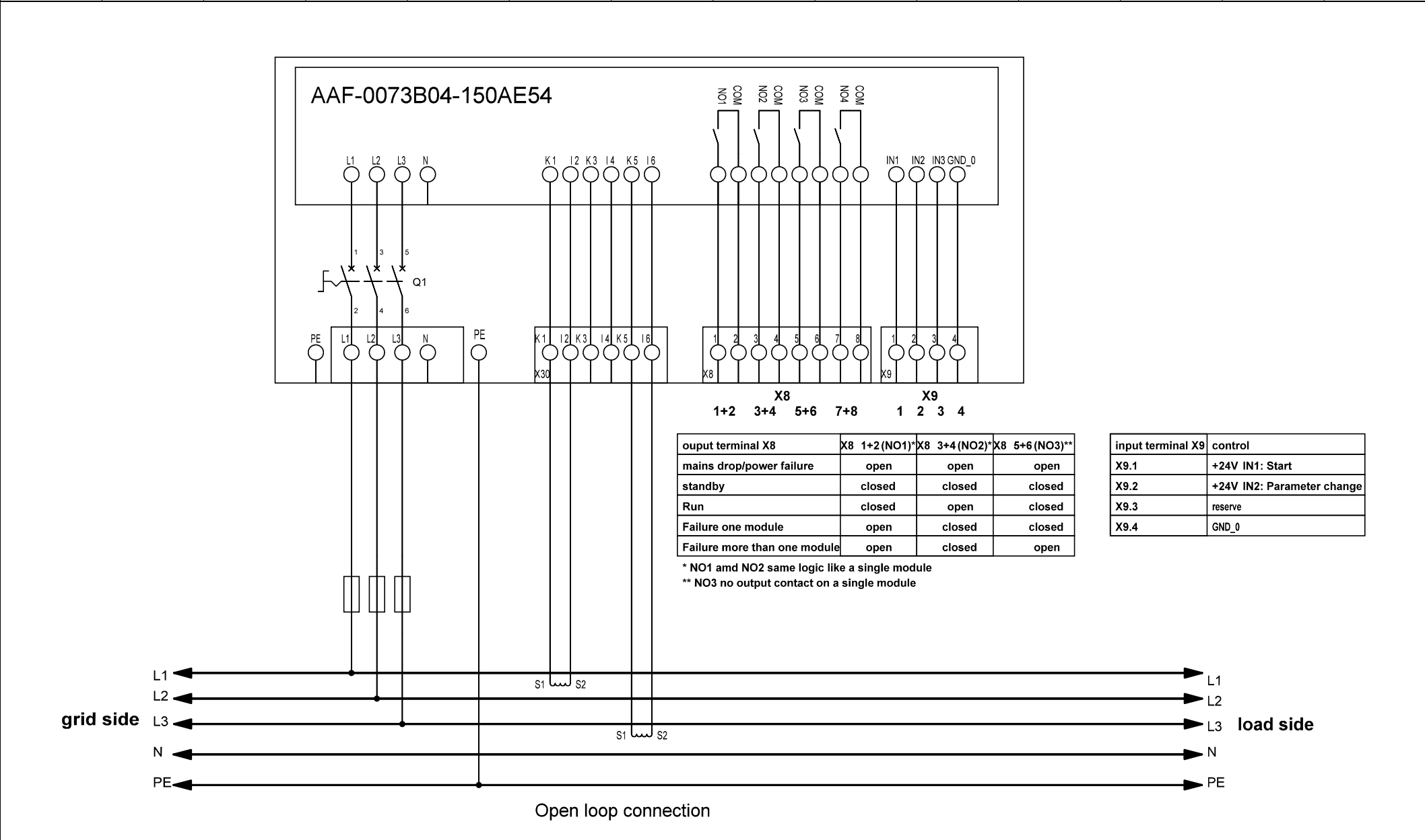


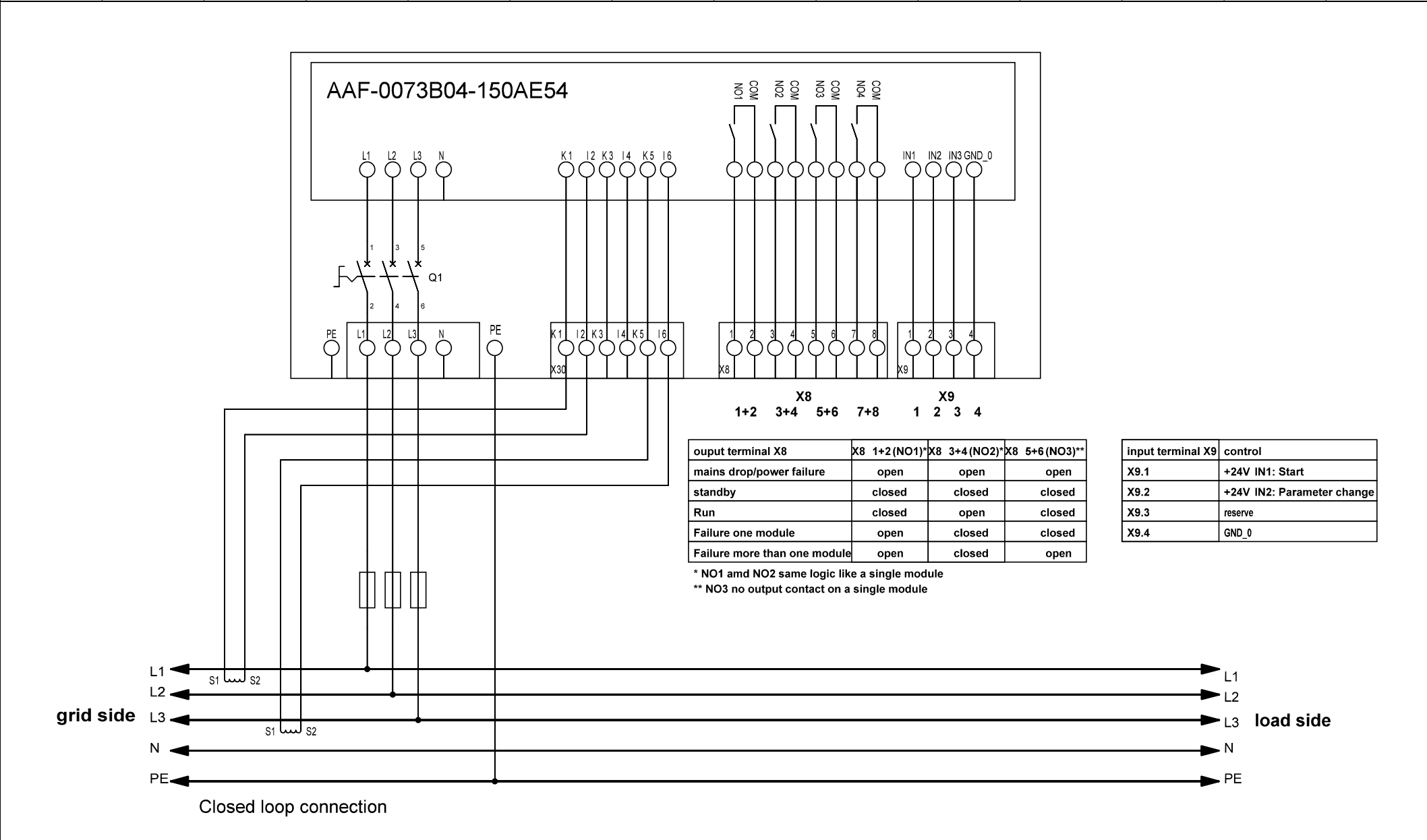
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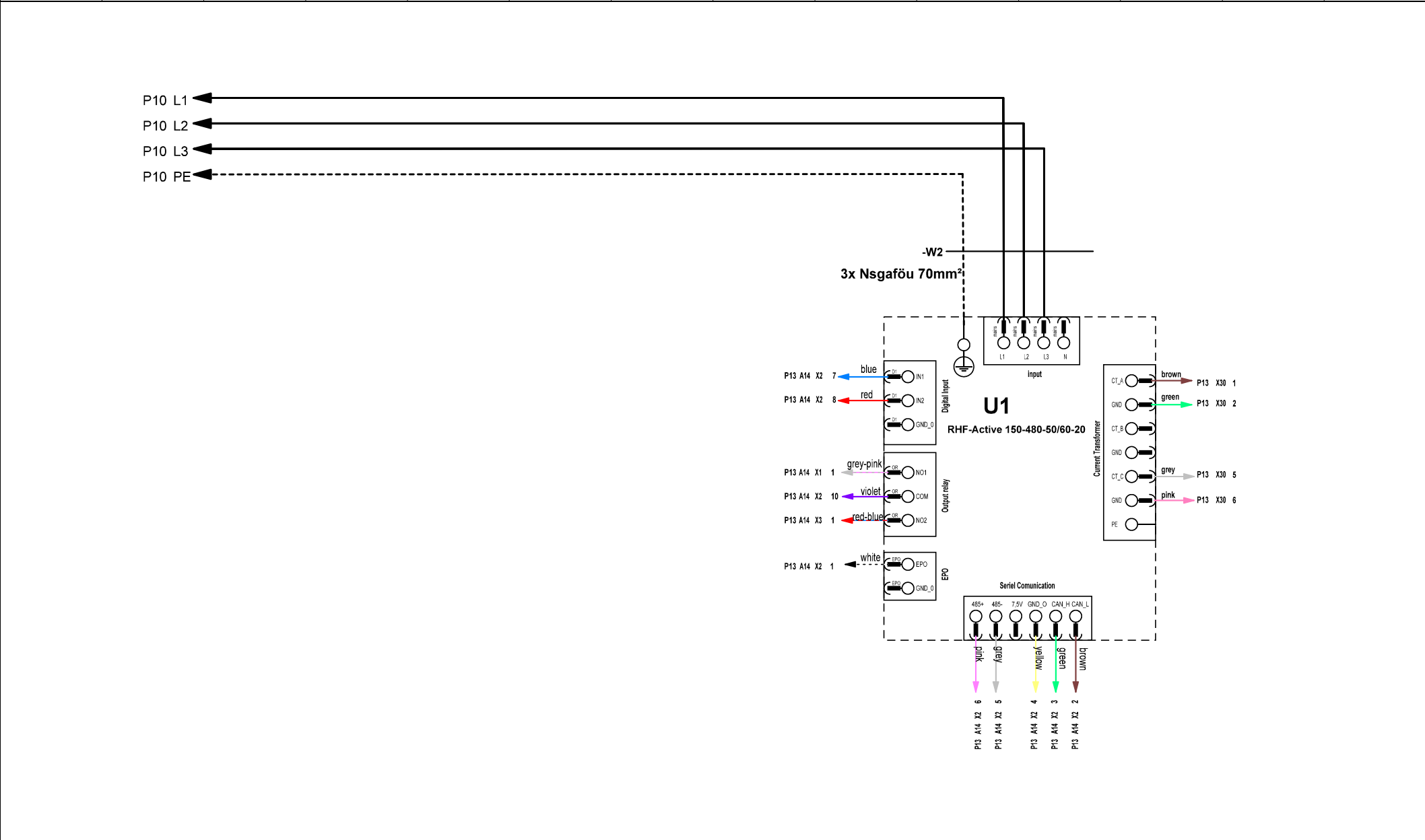
Position number	Component name	Type designation	comment
1	M1	SK intake EC fan EC 890 m³/h	U=100-250V/AC
2	M2	SK intake EC fan EC 890 m³/h	U=100-250V/AC
3	Q1	Switch disconnecter switch toggle	I=250A
4	A20	HMI	10.1 inch capacitive touch
5	H1	signal light	red / green
6	M3	outlet filter	pleated filter

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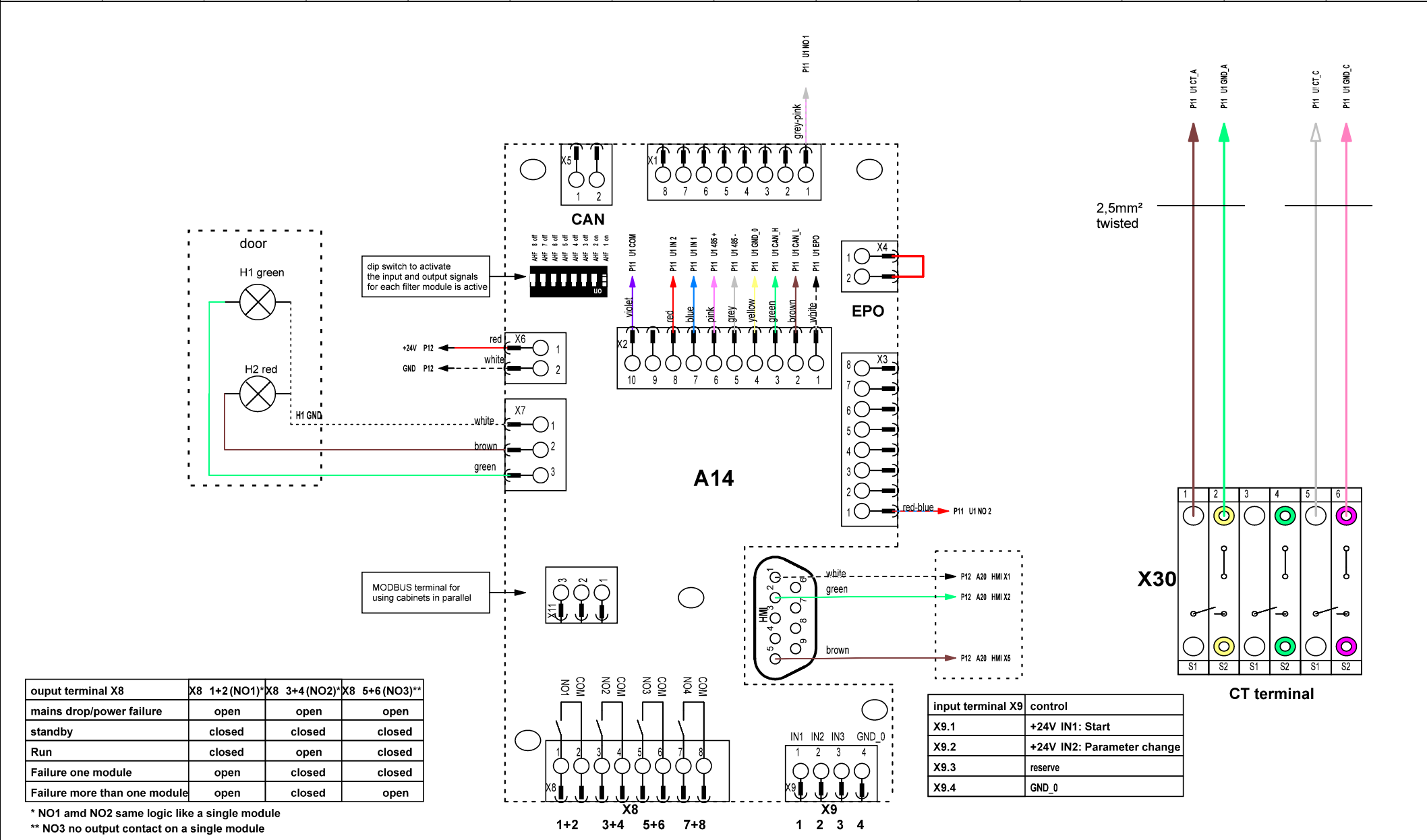
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<table><tr><td>Position number</td><td>Component name</td><td>Type designation</td><td>comment</td></tr><tr><td>7</td><td>X30</td><td>STME 5-CT terminals</td><td>Single-wire conductor: 0,5 ... 10 mm² / 20 ... 8 AWG Fine-wire conductor with wire-end-sleeve 2,5* ... 6 mm² / 14 ... 10 AWG</td></tr><tr><td>8</td><td>A30</td><td>control voltage supply board</td><td></td></tr><tr><td>9</td><td>B1</td><td>temperature controler for EC fans</td><td>U=100-250V/AC</td></tr><tr><td>10</td><td>Q1</td><td>load break switch with fuses 250A 3pol</td><td>I=250A</td></tr><tr><td>11</td><td>reserve</td><td>reserve</td><td></td></tr><tr><td>12</td><td>reserve</td><td>reserve</td><td></td></tr><tr><td>13</td><td>U1</td><td>1 pcs. AAF007-0073B04-150AE20</td><td>AHF 007 150A modul</td></tr><tr><td>14</td><td>M3</td><td>output fan</td><td>U=200-240V/AC</td></tr><tr><td>14 a</td><td>X5</td><td>output fan terminals</td><td></td></tr><tr><td>15</td><td>PE</td><td>grounding bar</td><td></td></tr><tr><td>16</td><td>reserve</td><td>reserve</td><td></td></tr><tr><td>17</td><td>A14</td><td>control board</td><td>board for the evaluation of the control signals for the customer connection for input and output signals</td></tr><tr><td>18</td><td>X1-X2</td><td>230V terminals X1-X2</td><td></td></tr><tr><td>19</td><td>F10</td><td>circuit breaker for Powersupply</td><td>circuit breaker C 2A</td></tr><tr><td>20</td><td>F9</td><td>circuit breaker for fan system</td><td>circuit breaker B 6A</td></tr><tr><td>21</td><td>Q2</td><td>circuit breaker transformer</td><td>PKZM0-4-T 2,5-4A</td></tr><tr><td>22</td><td>T1</td><td>autotransformer</td><td>U in=460V/AC/U out=230V/AC</td></tr><tr><td>23</td><td>T2</td><td>powersupply 24V for control supply</td><td>U in=85-264V/AC/ U out=24V/DC</td></tr><tr><td>24</td><td>T3</td><td>powersupply 12V for HMI supply</td><td>U in=85-264V/AC/ U out=12V/DC</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>														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 switch with fuses 250A 3pol	I=250A	11	reserve	reserve		12	reserve	reserve		13	U1	1 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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Related spareparts and accessories - Part numbers			
accessories	Part numbers	spare	Part numbers
Current transformer 400A (+VD03)	136b3267	AAF-0073B04-150A0E20	137N1454
Current transformer 600A (+VD04)	136b3268	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 M3 250A	136b4809
		NH01 200A	136b4671
		Control board	136b4673
		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. 70/35 max. 185/90					feed cable 3x400V/50Hz		
-W2.1	Q1	U1 L1	Nsgaföu	1	0	70					supply line RHF-Active		
-W2.2	Q1	U1 L2	Nsgaföu	1	0	70					supply line RHF-Active		
-W2.3	Q1	U1 L3	Nsgaföu	1	0	70					supply line RHF-Active		
-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		

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							