

AL INVEST









Designation system	CONTINUOUS CASTER	Job	: 00-2400000
Mounting location:	C01 MAIN CABINET	Drawing	: 60-04-76A

Power supply	400Vac 50Hz
Input lead	3ph + PE
Auxiliary voltage	230Vac - 24Vdc
Year of manufacture	2025

5		
4		
3		
2		
1	08/08/2025	SECOND ISSUED
0	13/06/2025	FIRST ISSUED
Rev.	Date	Description

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Wires color table

 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		


0	1	2	3	4	5	6	7	8																																				
<table><tr><td>JUNCTION BOX</td><td>CONTROL BOARD</td></tr><tr><td>+JB11</td><td>+P12</td></tr><tr><td>+JB12</td><td>+P12</td></tr><tr><td>+JB15</td><td>+P12</td></tr><tr><td>+JB17</td><td>+P13</td></tr><tr><td>+JB18</td><td>+P13</td></tr><tr><td>+JB19</td><td>+P03</td></tr><tr><td>+JB20</td><td>+P03</td></tr><tr><td>+JB21</td><td>+P08</td></tr><tr><td>+JB22</td><td>+P12</td></tr><tr><td>+JB23</td><td>+P04</td></tr><tr><td>+JB24</td><td>+P08</td></tr><tr><td>+JB25</td><td>+P08</td></tr><tr><td>+JB26</td><td>+P03</td></tr><tr><td>+JB28</td><td>+C01</td></tr><tr><td>+JB29</td><td>+P08</td></tr><tr><td>+JB30</td><td>+P32</td></tr><tr><td>+JB33</td><td>+P31</td></tr></table>									JUNCTION BOX	CONTROL BOARD	+JB11	+P12	+JB12	+P12	+JB15	+P12	+JB17	+P13	+JB18	+P13	+JB19	+P03	+JB20	+P03	+JB21	+P08	+JB22	+P12	+JB23	+P04	+JB24	+P08	+JB25	+P08	+JB26	+P03	+JB28	+C01	+JB29	+P08	+JB30	+P32	+JB33	+P31
JUNCTION BOX	CONTROL BOARD																																											
+JB11	+P12																																											
+JB12	+P12																																											
+JB15	+P12																																											
+JB17	+P13																																											
+JB18	+P13																																											
+JB19	+P03																																											
+JB20	+P03																																											
+JB21	+P08																																											
+JB22	+P12																																											
+JB23	+P04																																											
+JB24	+P08																																											
+JB25	+P08																																											
+JB26	+P03																																											
+JB28	+C01																																											
+JB29	+P08																																											
+JB30	+P32																																											
+JB33	+P31																																											
Date	13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Connection junction box	+ C01 60-04-76A		2	←																																			
Ed.	UTE																																											
Rev	08/08/2025	08/08/2025						3																																				
Rev	1	=> 1				r43.51	00-2400000		→ 4																																			

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	3	Connection junction box	1	UTE
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	13	Network analyzer	1	UTE
	14	Transformer 400 Vac resistors	1	UTE
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	16	Internal panel services	1	UTE
	17	Light cabinet	1	UTE
	18	Blinking cabinet door	1	UTE
	19	Minimum voltage coil	1	UTE
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	21	Fan cabinet	1	UTE
	25	Power supply auxiliary 230 Vac	1	UTE
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	27	Power supply auxiliary 230 Vac UPS	1	UTE

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	31	Power supply auxiliary 230 Vac auxiliary command	1	UTE
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	40	Power supply auxiliary 24 Vdc PC Box - Switch	1	UTE
	41	Power supply auxiliary 24 Vdc remote PLC	1	UTE
	42	Power supply auxiliary 24 Vdc PLC - valves	1	UTE
	43	Power supply auxiliary 24 Vdc PLC - valves	1	UTE
	44	Power supply auxiliary 24 Vdc drive	1	UTE
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	46	Power supply auxiliary 24 Vdc transducers	1	UTE
	47	Power supply auxiliary 24 Vdc level controller	1	UTE
	50	Distribution 0 Vdc	1	UTE
	60	Power supply P01	1	UTE
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	63	Power supply P04	1	UTE
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	76	Power supply external machines	1	UTE
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	106	Motor horizontal tip adjust operator side	1	UTE
	107	Motor vertical tip adjust operator side	1	UTE
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	115	Motor upper roller casting	1	UTE
	116	Fan motor upper roller casting	1	UTE
	117	Pump lubrication gearboxes upper casting roller motor	1	UTE
	120	Motor lower roller casting	1	UTE
	121	Fan motor lower roller casting	1	UTE
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	125	Motor arrow support	1	UTE
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	130	Motor upper graphite gun traslation	1	UTE
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	132	Graphite tank agitator motor 1	1	UTE
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	134	Motors graphite tank agitators 1-2	1	UTE
	135	Motors graphite tank agitators 1-2	1	UTE
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	153	Motor chip blower	1	UTE
	155	Motor pinch-roll 2	1	UTE
	165	Motor recoiler	1	UTE
	166	ventilator winder motor	1	UTE
	167	Pump lubrication winder gearbox	1	UTE
	168	Motor winder exchanger	1	UTE
	170	Motor unloading car traslation	1	UTE
	171	Motor unloading car traslation	1	UTE
	172	Motor unloading car traslation	1	UTE
	173	Motor load spool	1	UTE
	175	Motor pump 1 low pressure	1	UTE
	176	Motor pump 2 low pressure	1	UTE
	177	Motor pump 3 low pressure	1	UTE
	178	Low pressure recirculation oil pump	1	UTE
	179	Low pressure oil heating resistances	1	UTE
	180	Motor pump 1 high pressure	1	UTE
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	190	Switch	1	UTE
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	201	PLC	1	UTE
	202	PLC	1	UTE

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				220	Safety digital output								1		UTE		
				221	Safety digital output								1		UTE		
				240	Digital inputs								1		UTE		
				241	Digital inputs								1		UTE		
				242	Digital inputs								1		UTE		
				243	Digital inputs								1		UTE		
				244	Digital inputs								1		UTE		
				245	Digital inputs								1		UTE		
				246	Digital inputs								1		UTE		
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				256	Digital inputs								1		UTE		
				257	Digital inputs								1		UTE		
				260	Analog input								1		UTE		
				261	Analog input								1		UTE		
				262	Analog input								1		UTE		
				263	Analog input								1		UTE		
				270	Digital outputs								1		UTE		

ate	13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Table of contents	+ C01 60-04-76A		4.c
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ev	1	=> 1						

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				279		Digital outputs								1		UTE	
				290		Analog output								1		UTE	
				300		Layout Profinet caster								1		UTE	
				301		Layout Profinet caster								1		UTE	
				302		Layout Profinet caster								1		UTE	
				303		Layout Profinet caster								1		UTE	
				304		Layout Profinet caster								1		UTE	
				305		Layout Profinet caster								1		UTE	
				306		Layout Profinet water								1		UTE	
				307		Layout Profinet water								1		UTE	
				308		Layout Profinet water								1		UTE	
				310		Layout Profinet C09								1		UTE	
				311		Layout Profinet C09								1		UTE	
				320		Layout Drive-CliQ								1		UTE	
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391		External layout								1		UTE					
392		internal layout								1		UTE					


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	400.b	Terminal diagram =+C01-X24V	1	UTE
	401	Terminal diagram =+C01-X28	1	UTE
	402	Terminal diagram =+C01-X28P	1	UTE
	403	Terminal diagram =+C01-X35	1	UTE
	404	Terminal diagram =+C01-X35A	1	UTE
	405	Terminal diagram =+C01-X230V	1	UTE
	405.a	Terminal diagram =+C01-X230V	1	UTE
	405.b	Terminal diagram =+C01-X230V	1	UTE
	406	Terminal diagram =+C01-XAI	1	UTE
	407	Terminal diagram =+C01-XC03	1	UTE
	408	Terminal diagram =+C01-XC09	1	UTE
	409	Terminal diagram =+C01-XM	1	UTE
	409.a	Terminal diagram =+C01-XM	1	UTE
	409.b	Terminal diagram =+C01-XM	1	UTE
	410	Terminal diagram =+C01-XM2	1	UTE
	410.a	Terminal diagram =+C01-XM2	1	UTE
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	411	Terminal diagram =+C01-XMC	1	UTE
	412	Terminal diagram =+C01-XP	1	UTE
	413	Terminal diagram =+C01-XP01	1	UTE
	414	Terminal diagram =+C01-XP02	1	UTE
	415	Terminal diagram =+C01-XP03	1	UTE
	416	Terminal diagram =+C01-XP04	1	UTE

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				424		Terminal diagram =+C01-XUPS								1		UTE	
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				426		Terminal diagram =+JB28-X28								1		UTE	
				427		Terminal diagram =+JB40-XM								1		UTE	
				428		Terminal diagram =+JB60-XM								1		UTE	
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				451		Plug diagram =+BM-110C1								1		UTE	
				452		Plug diagram =+BM-111C2								1		UTE	
				453		Plug diagram =+BM-111C2								1		UTE	
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500.e		Parts list								1		UTE					
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500.h		Parts list								1		UTE					
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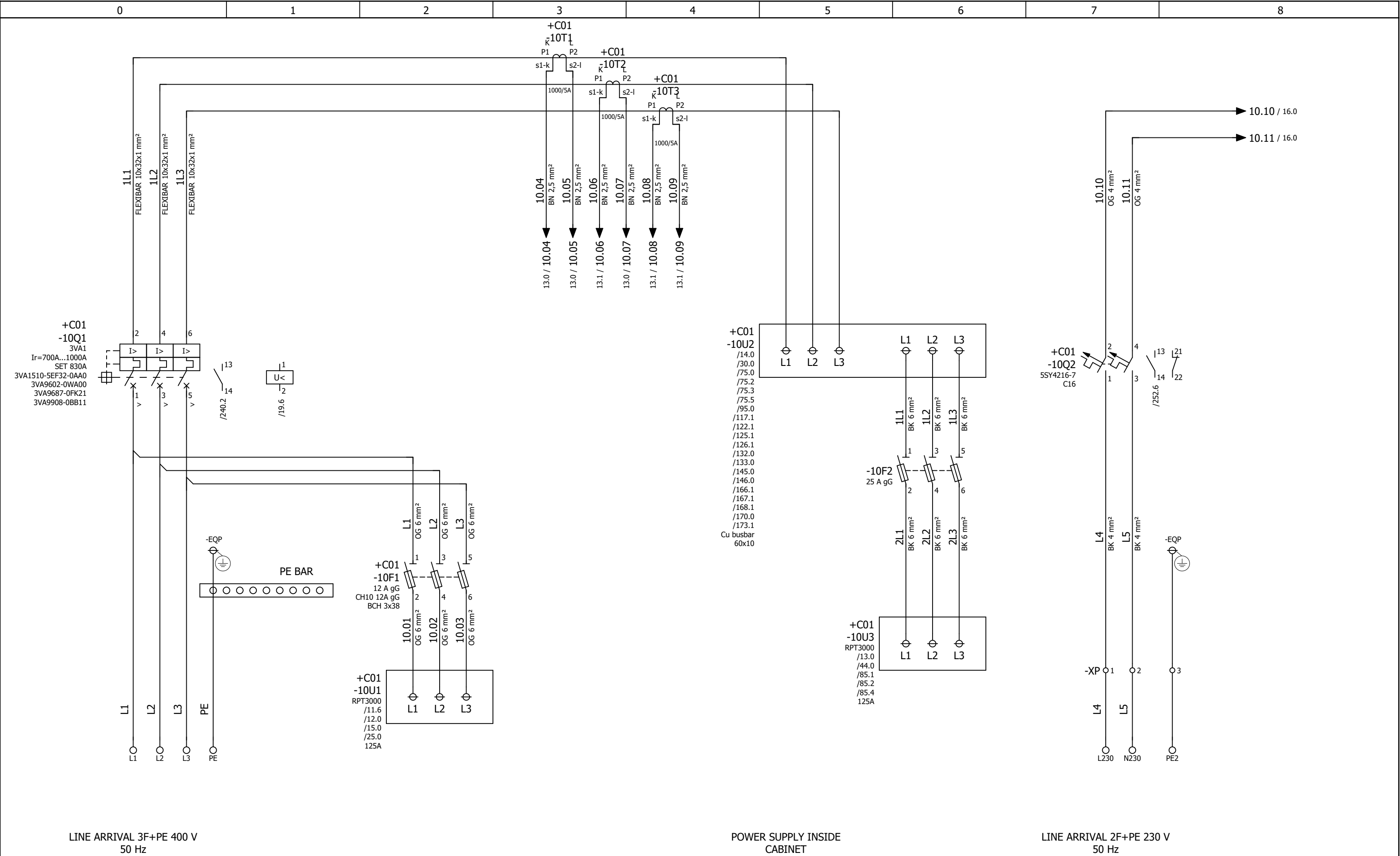
ate	13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER		Table of contents		+ C01 60-04-76A		4.f			
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ev	08/08/2025	08/08/2025						r43.51		00-2400000		4.	
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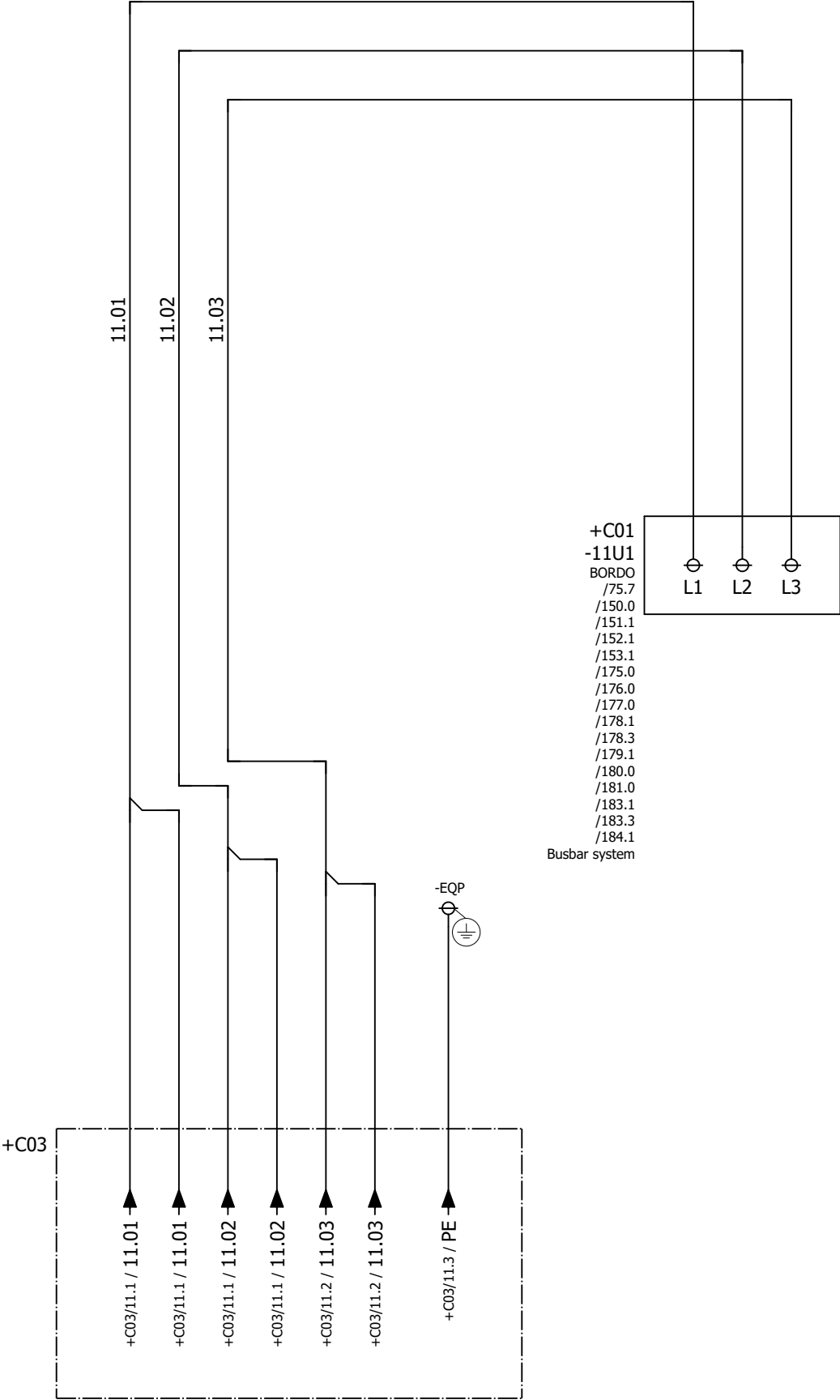
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	500.n	Parts list	1	UTE
	500.o	Parts list	1	UTE
	500.p	Parts list	1	UTE
	500.q	Parts list	1	UTE
	500.r	Parts list	1	UTE
	500.s	Parts list	1	UTE
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	500.u	Parts list	1	UTE
	500.v	Parts list	1	UTE
	500.w	Parts list	1	UTE
	500.x	Parts list	1	UTE
	500.y	Parts list	1	UTE
	500.z	Parts list	1	UTE
	500.za	Parts list	1	UTE
	500.zb	Parts list	1	

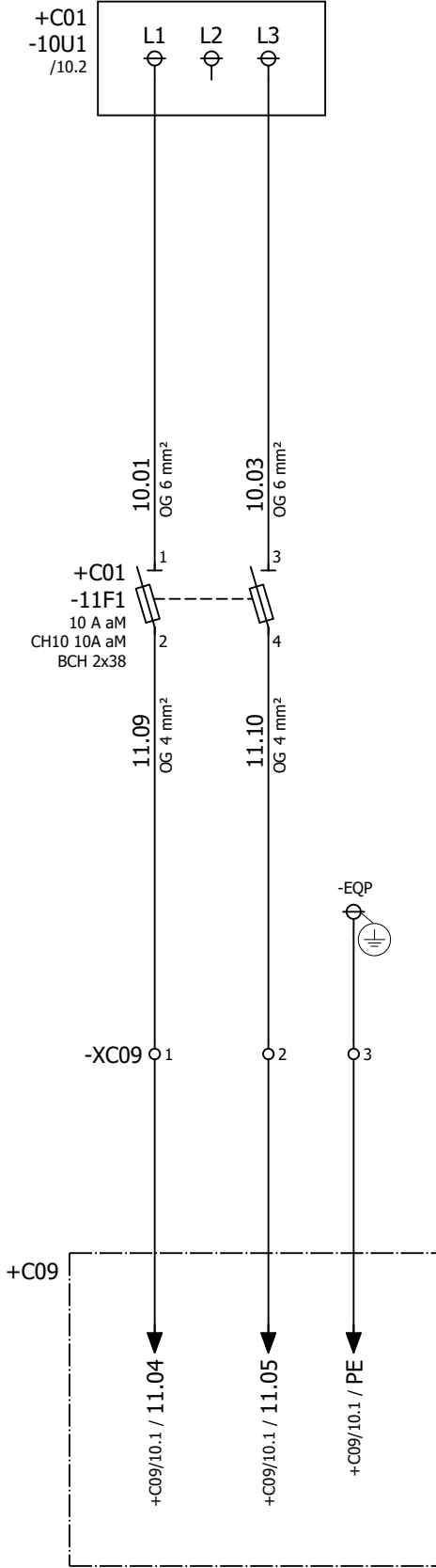
Structure identifier overview

Full designation	Labeling	Structure description	Full designation	Labeling	Structure description
+C01	Location designation	MAIN CABINET	+JB21	Location designation	JUNCTION BOX JB21 - DEFLECTOR ROLL
+C03	Location designation	SECONDARY CABINET	+JB22	Location designation	JUNCTION BOX JB22 - CYLINDERS CHANGE
+C09	Location designation	NETWORK CABINET	+JB23	Location designation	JUNCTION BOX JB23 - PINCH-ROLL 1
+P01	Location designation	MAIN CONTROL DESK	+JB24	Location designation	JUNCTION BOX JB24 - RECOILER MANDREL SUPPORT
+P02	Location designation	MOBILE CONTROL DESK CABINET	+JB25	Location designation	JUNCTION BOX JB25 - UNLOADING COIL CAR
+P03	Location designation	BOX PINCH-ROLL - SHEAR	+JB26	Location designation	JUNCTION BOX JB26 - PINCH-ROLL 2 , SHEAR VALVES
+P04	Location designation	CONTROL DESK MILLING OPERATOR SIDE	+JB28	Location designation	JUNCTION BOX JB28 - AUTEL FILTER SHEAR VALVES
+P05	Location designation	CONTROL DESK MILLING MOTOR SIDE	+JB29	Location designation	JUNCTION BOX JB29 - LOADING SPOLL
+P06	Location designation	CONTROL DESK RECOILER	+JB30	Location designation	JUNCTION BOX JB30 - FLOW SWITCH
+P07	Location designation	PUSHBUTTON SHEAR	+JB33	Location designation	JUNCTION BOX JB33 - AUXILIARY SKID
+P08	Location designation	BOX RECOILER	+JB40	Location designation	JUNCTION BOX JB40 - MOTORS MILLING
+P09	Location designation	CONTROL DESK POLVERIZATION	+JB60	Location designation	JUNCTION BOX JB60 - MOTOR UNLOADING COIL CAR
+P10	Location designation	BOX LOW PRESSURE UNIT	+MC	Location designation	EXTERNAL MACHINE
+P11	Location designation	PUSHBUTTON SPRAY	+MC.BM	Location designation	EXTERNAL MACHINE
+P12	Location designation	CASTER SENSOR	+GREENBOX	Location designation	GREENBOX
+P13	Location designation	BOX HIGH PRESSURE UNIT	+DEGASER	Location designation	DEGASER
+P15	Location designation	PUSHBUTTON PINCH-ROLL 1	+FILTERBOX	Location designation	FILTERBOX
+P31	Location designation	BOX WATER PUMP	+CABLE	Location designation	CABLE
+P32	Location designation	BOX WATER SENSOR	+BM	Location designation	FILED MACHINE
+P20	Location designation	BOX SAFETY GATE	+BM2	Location designation	FILED MACHINE
+PS1	Location designation	PUSHBUTTON GATE 1			
+PS2	Location designation	PUSHBUTTON GATE 2			
+PS3	Location designation	PUSHBUTTON GATE 3			
+PS4	Location designation	PUSHBUTTON GATE 4			
+PS5	Location designation	PUSHBUTTON GATE 5			
+PS6	Location designation	PUSHBUTTON GATE 6			
+JB11	Location designation	JUNCTION BOX JB11 - CAGE SENSORS			
+JB12	Location designation	JUNCTION BOX JB12 - THERMOCOUPLES			
+JB15	Location designation	JUNCTION BOX JB15 - SPRAYING BARS			
+JB17	Location designation	JUNCTION BOX JB17 - HIGH PRESSURE UNIT			
+JB18	Location designation	JUNCTION BOX JB18 - REDUCERS CAGE			
+JB19	Location designation	JUNCTION BOX JB19 - PINCH-ROLL 2			
+JB20	Location designation	JUNCTION BOX JB20 - SHEAR			

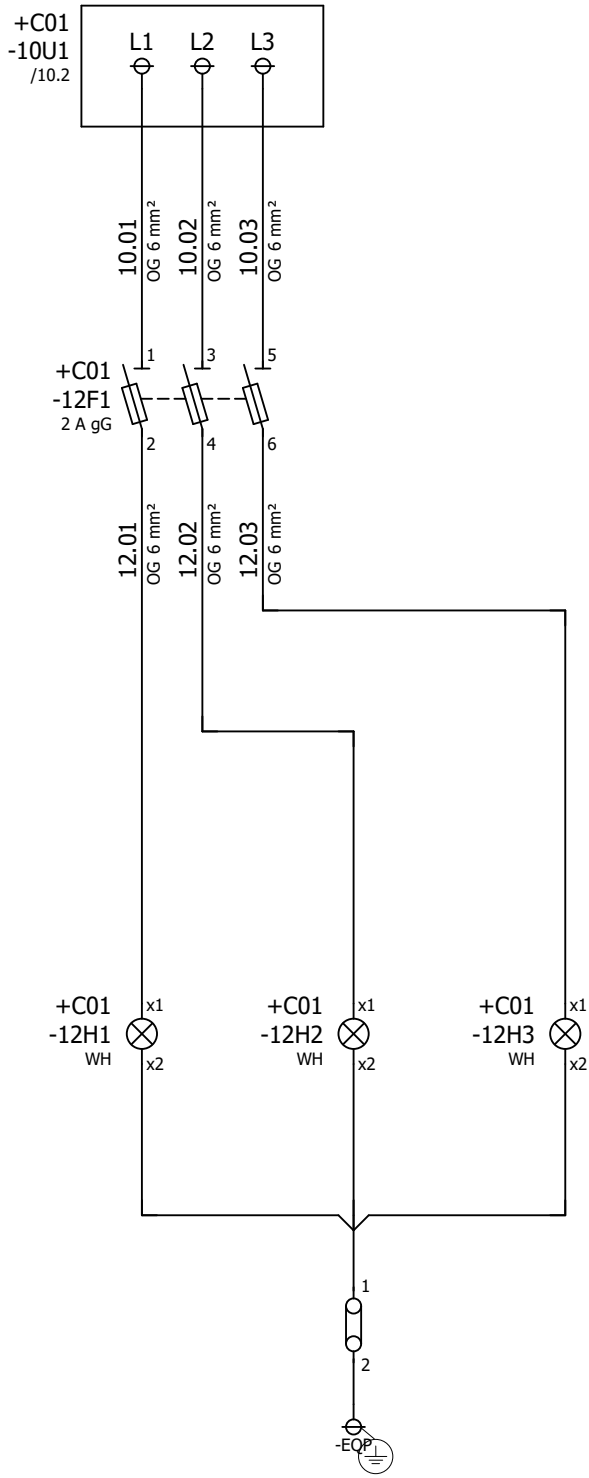




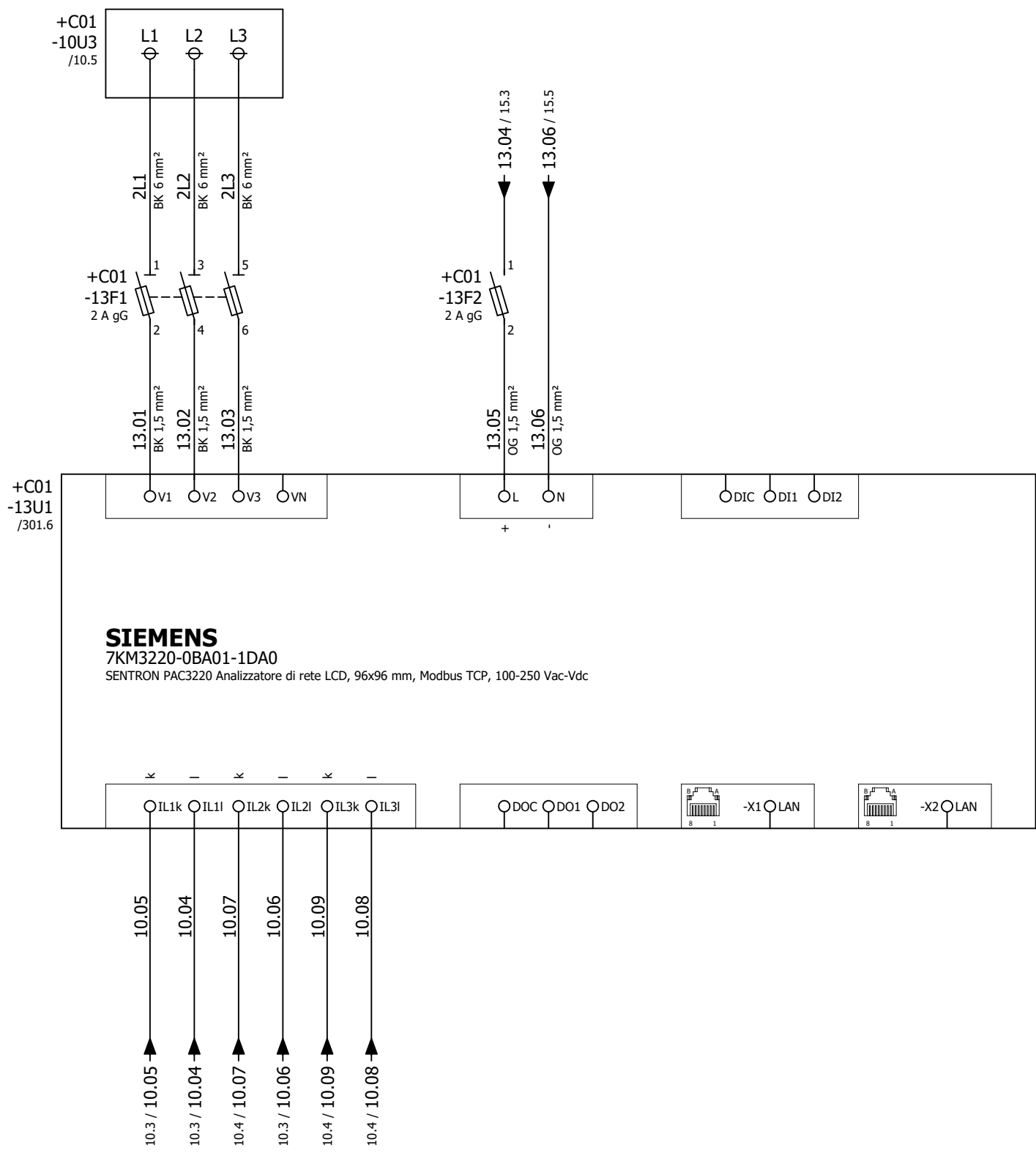
POWER SUPPLY 400VAC
AUXILIARIES FROM C03

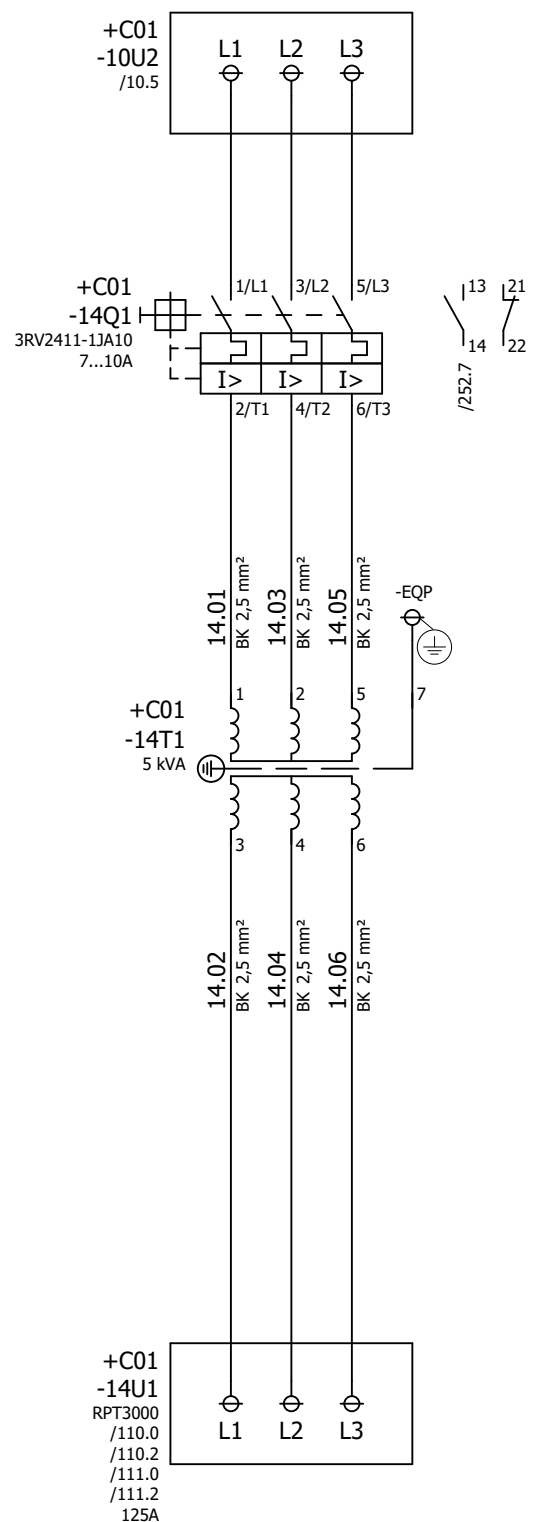


POWER SUPPLY 230Vac C09




LINE VOLTAGE PRESENCE

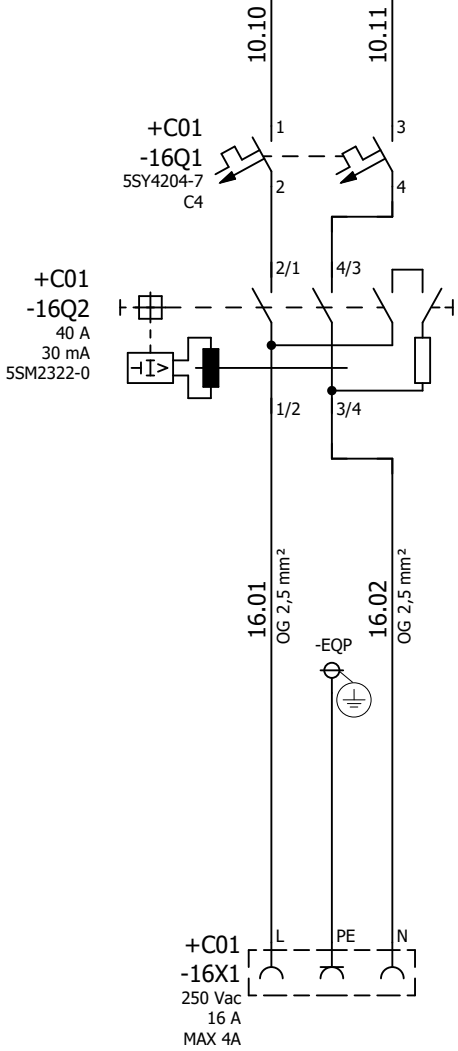




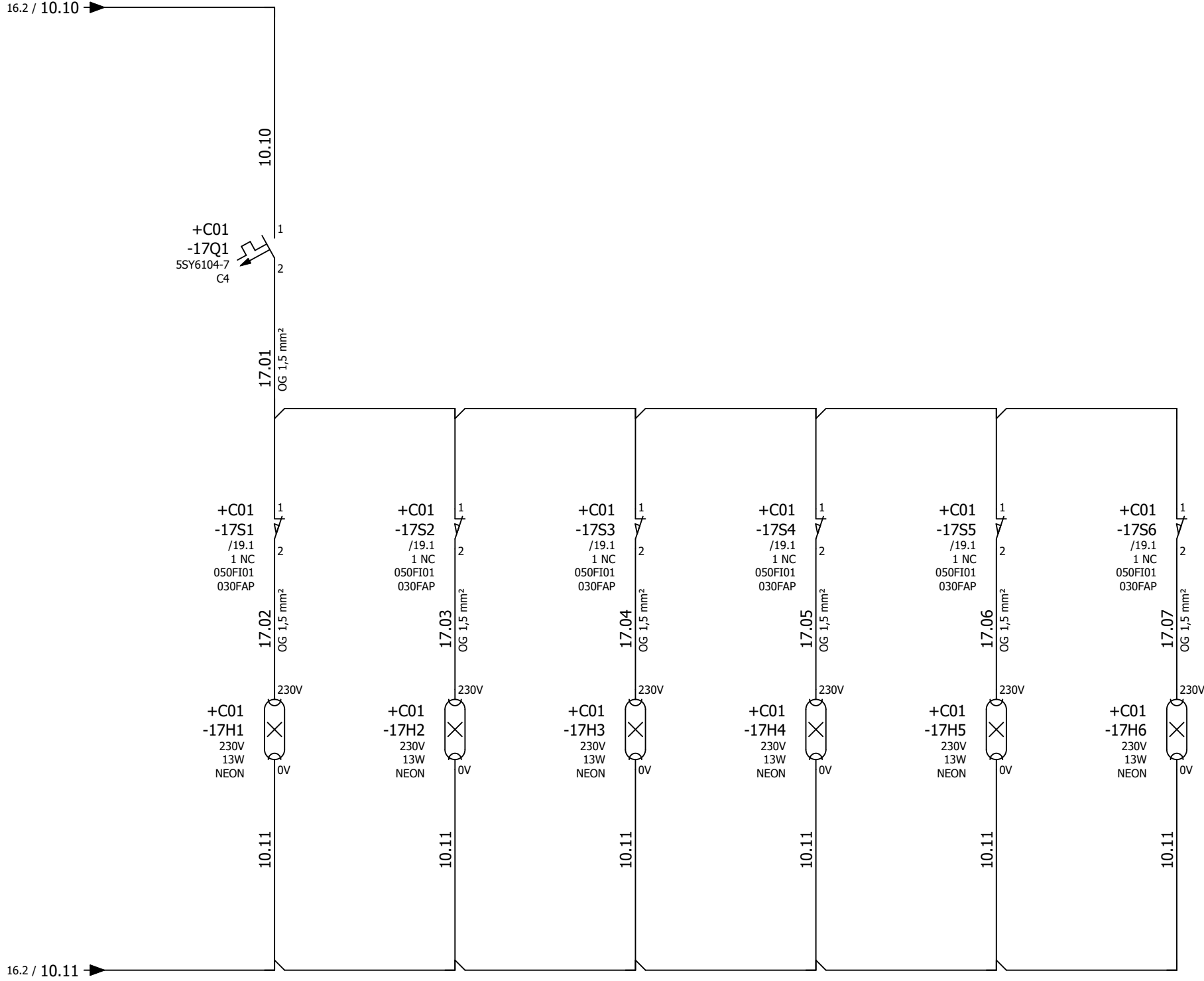
TRANSFORMER 400 VAC
RESISTANCE

Date	13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Transformer 400 Vac resistors	+ C01 60-04-76A		13	←		
Ed.	UTE									14	
Rev	08/08/2025	08/08/2025									
Rev	1	=> 1									
						r43.51	00-2400000		→ 15		

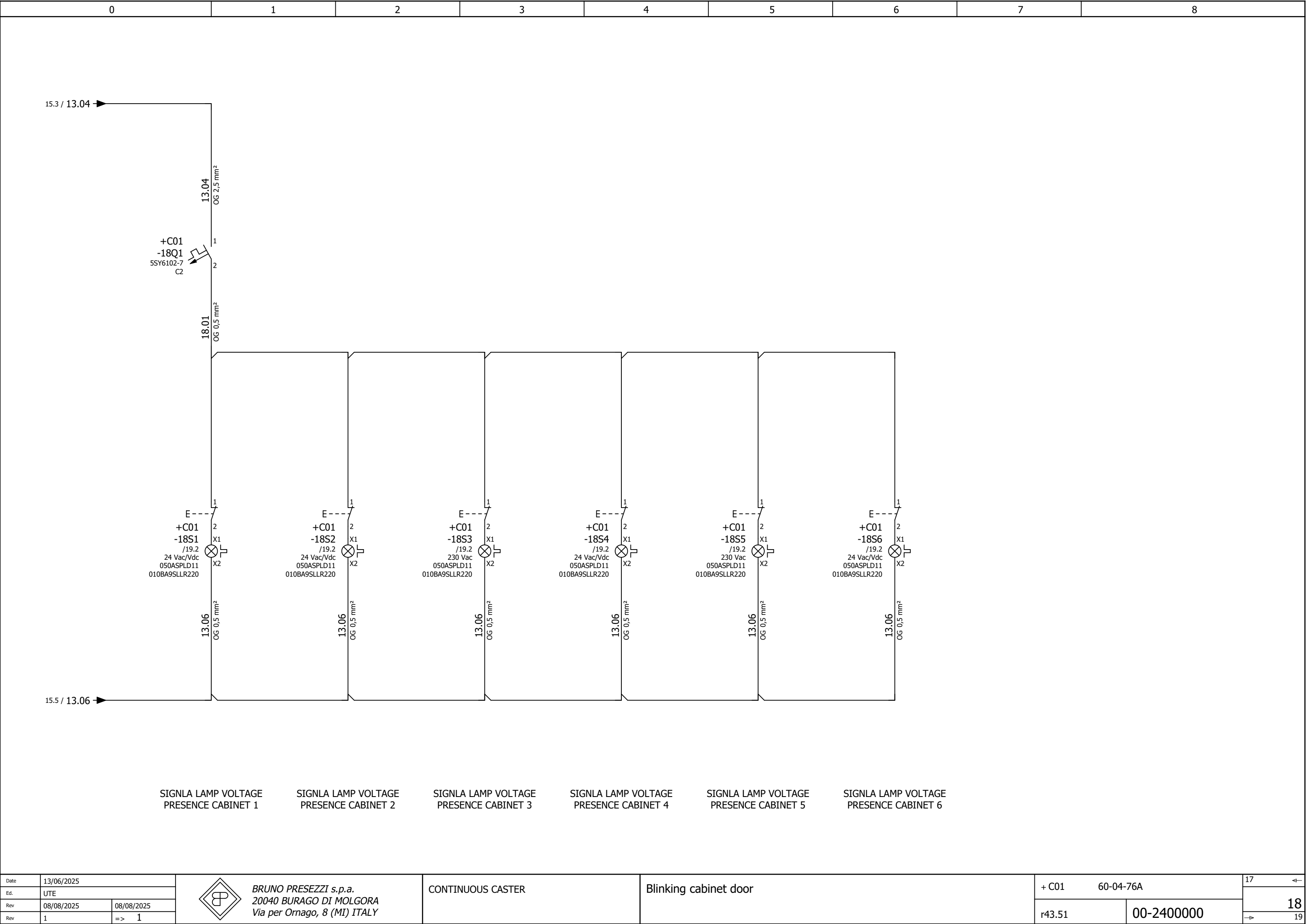
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10.8 / 10.11 → 10.11 / 17.0

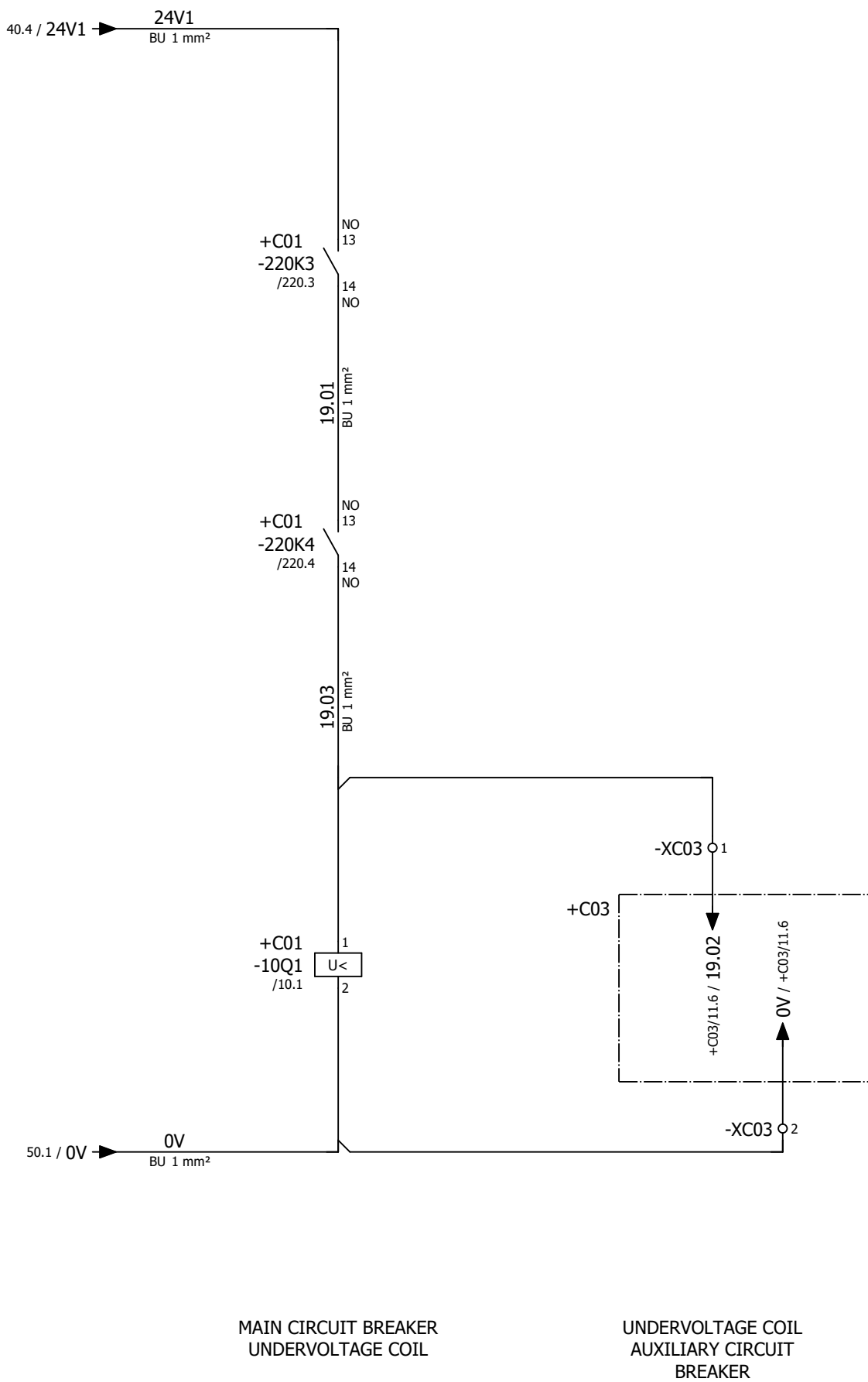
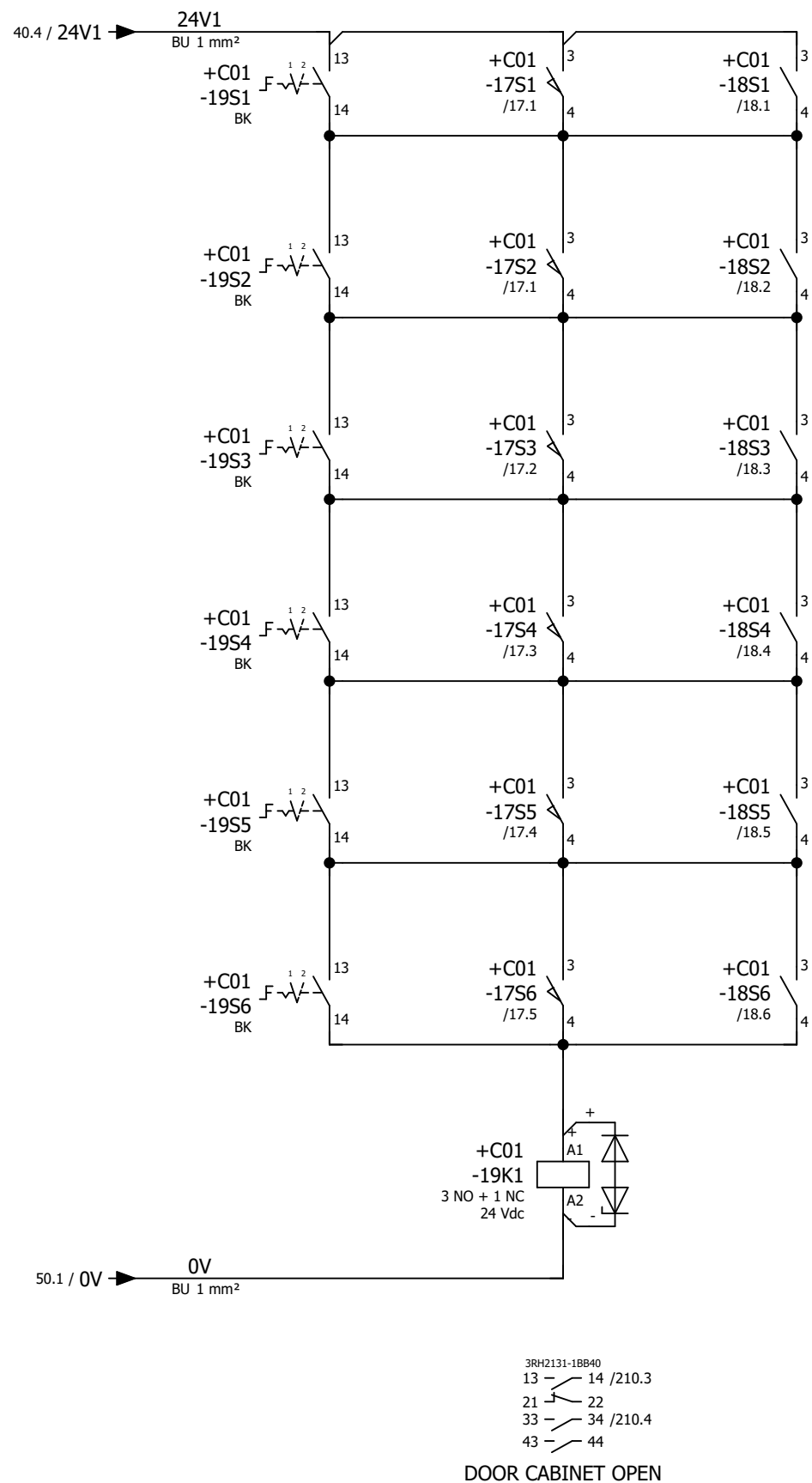


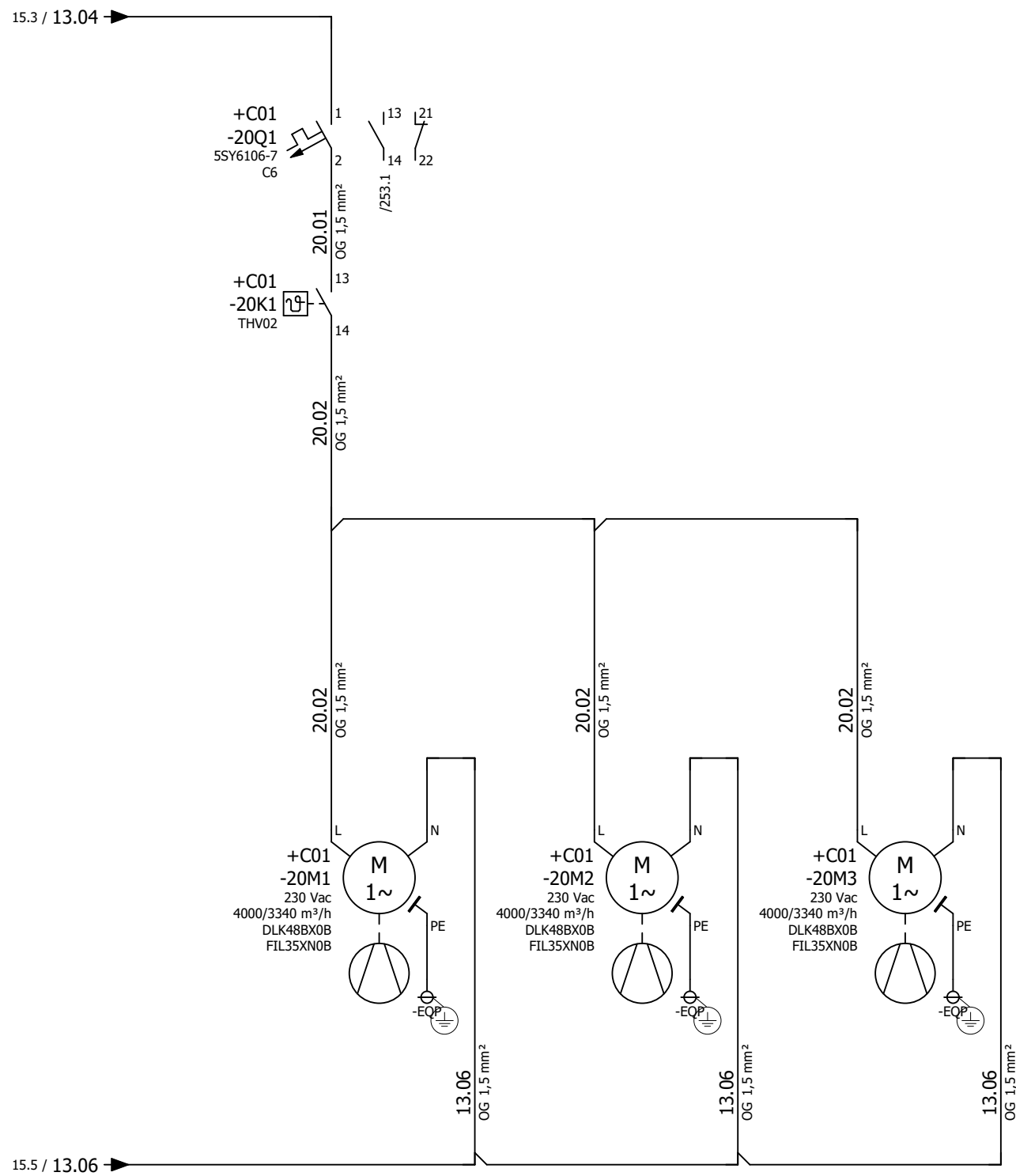
SOCKET SERVICE




LIGHT CABINET

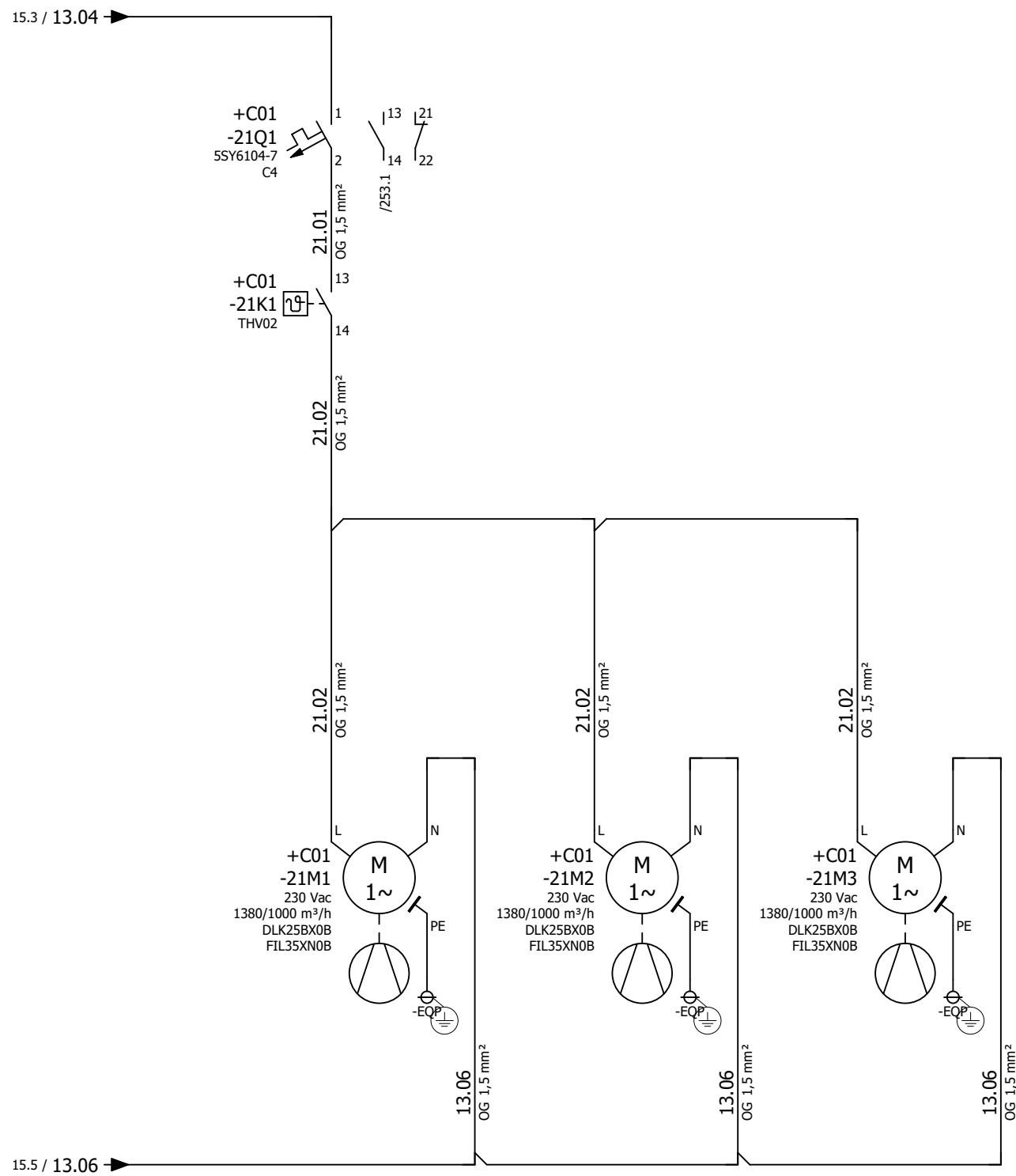







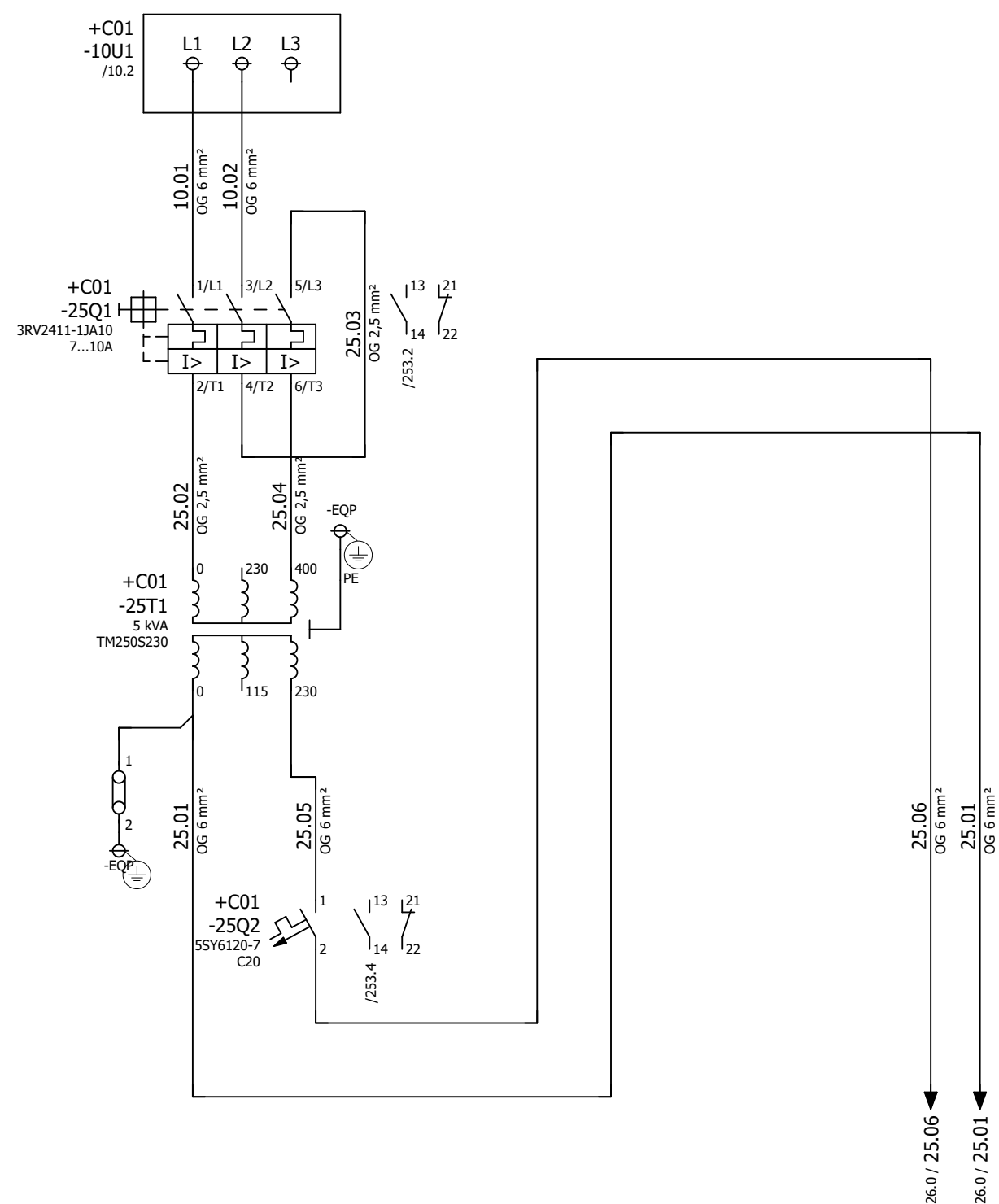
FAN CABINET

Date	13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Fan cabinet	+ C01 60-04-76A		19	←		
Ed.	UTE									20	
Rev	08/08/2025	08/08/2025									
Rev	1	=> 1						r43.51	00-2400000		21




FAN CABINET

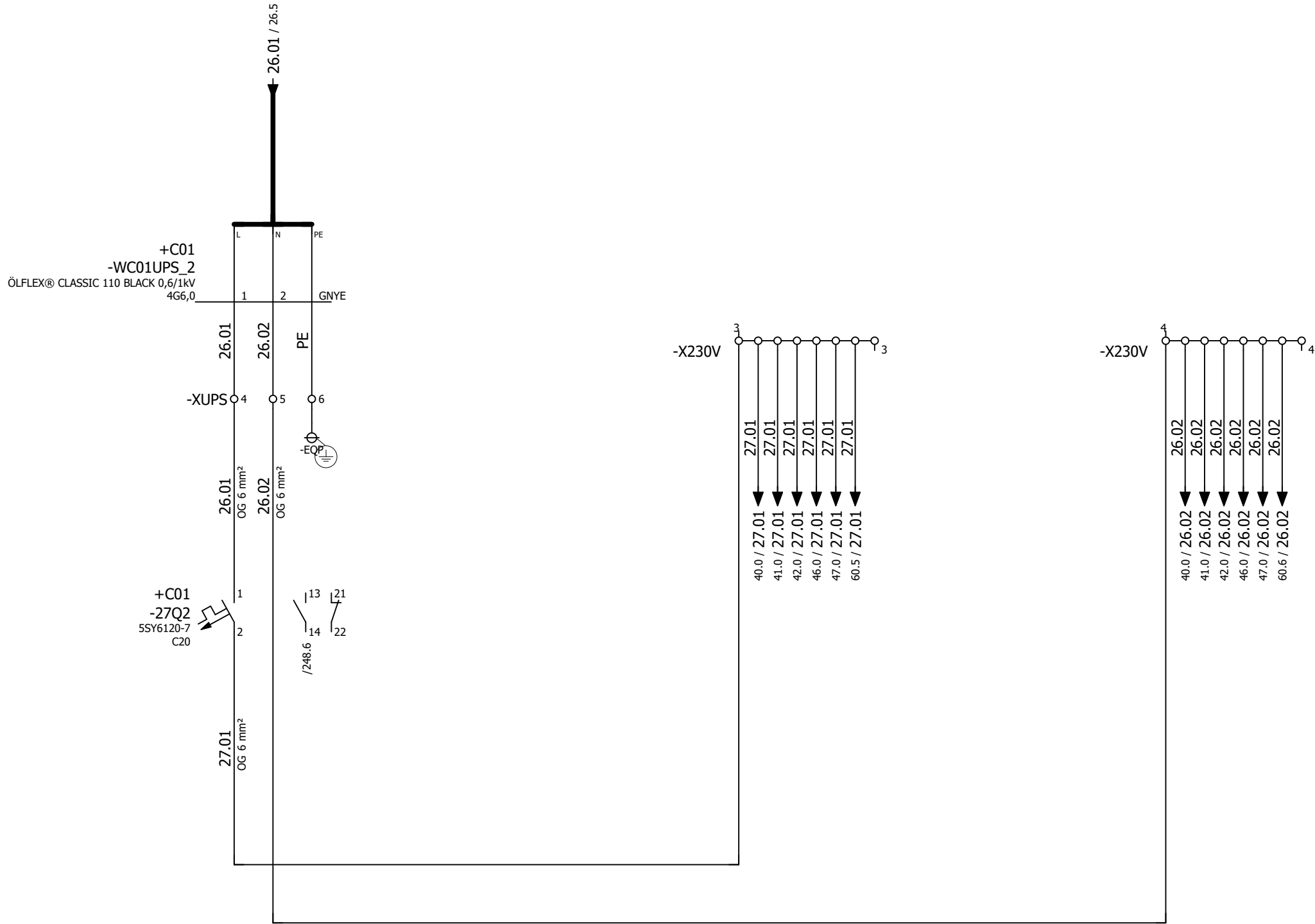
Date	13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Fan cabinet	+ C01 60-04-76A		20	←		
Ed.	UTE									21	
Rev	08/08/2025	08/08/2025									
Rev	1	=> 1						r43.51	00-2400000		→ 25

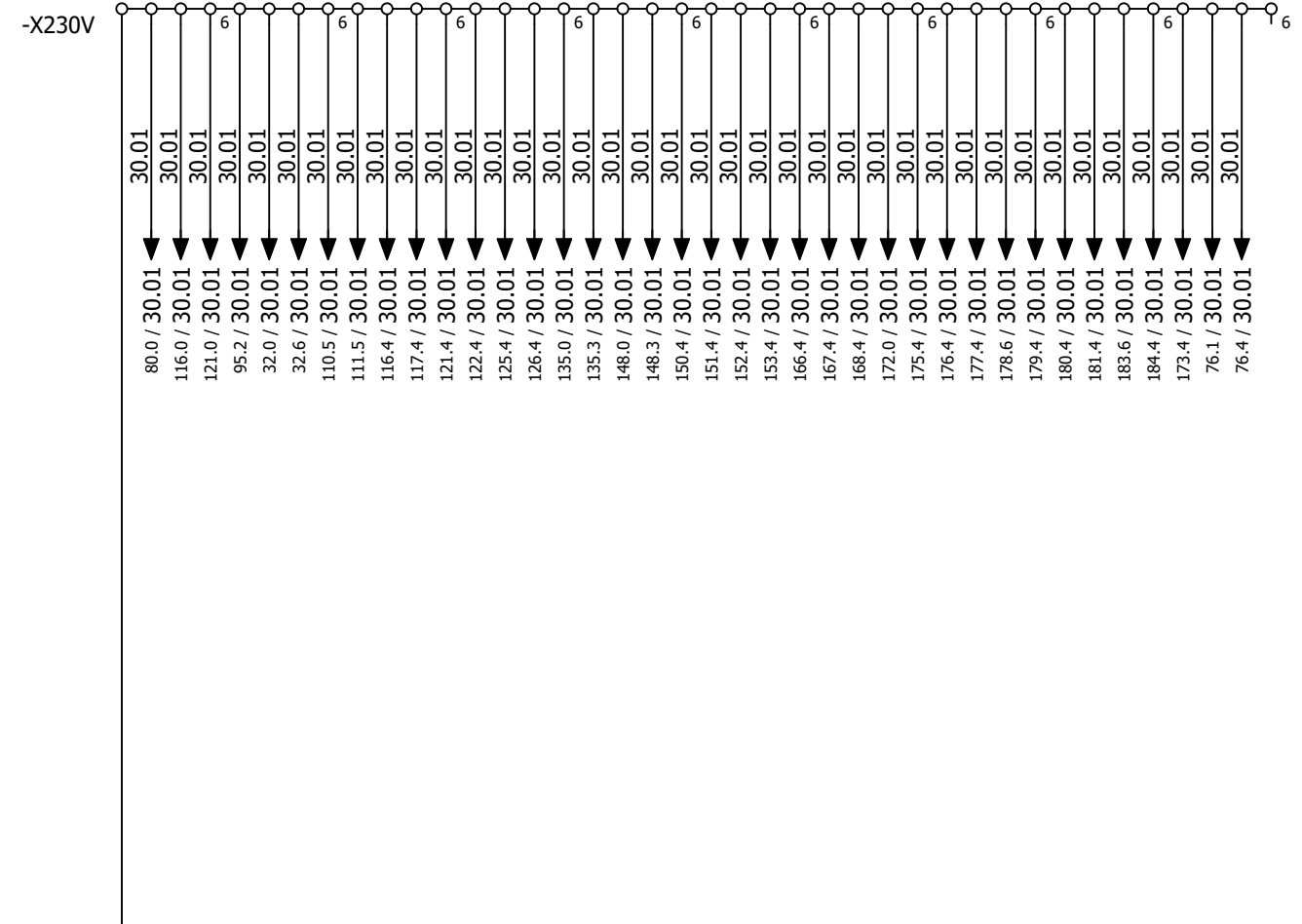
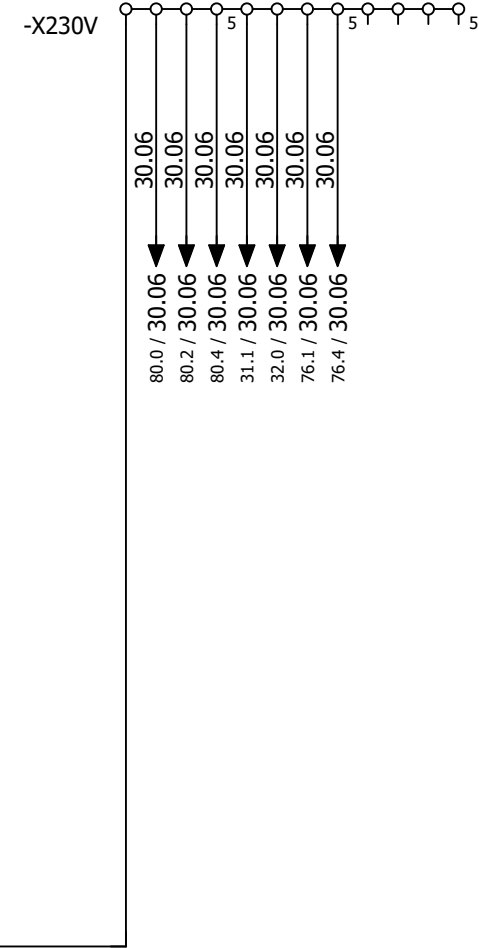
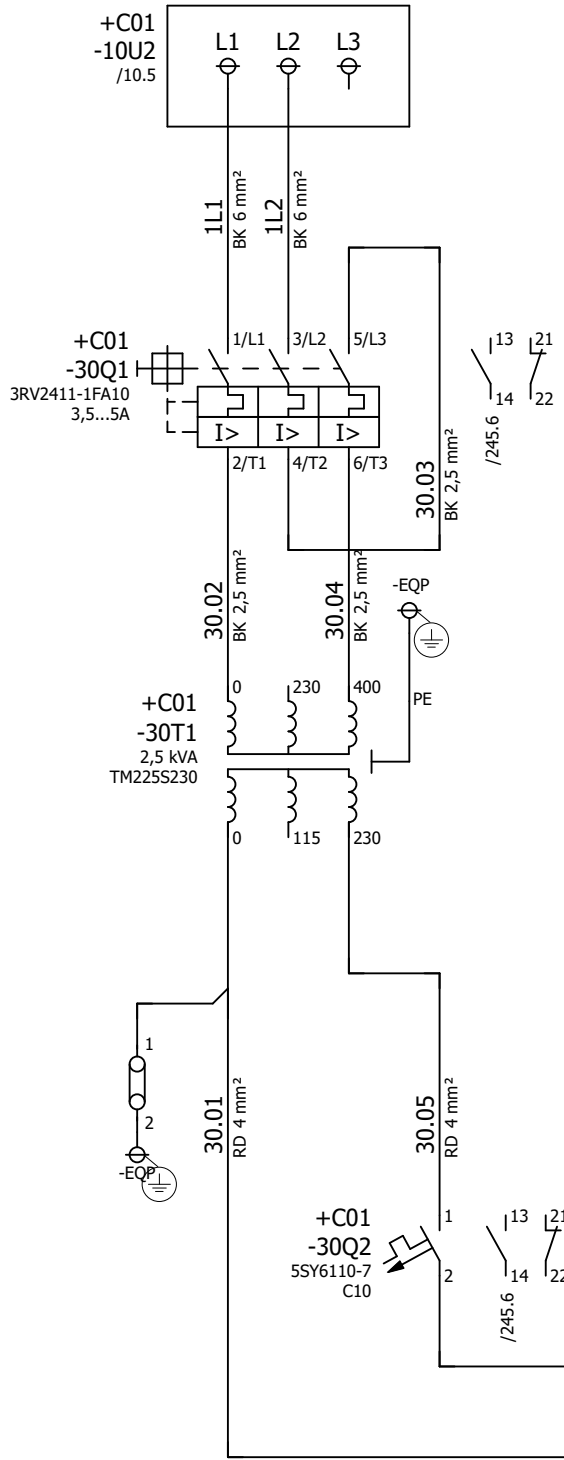


POWER SUPPLY 230 Vac
UPS

POWER SUPPLY 230 Vac
UPS

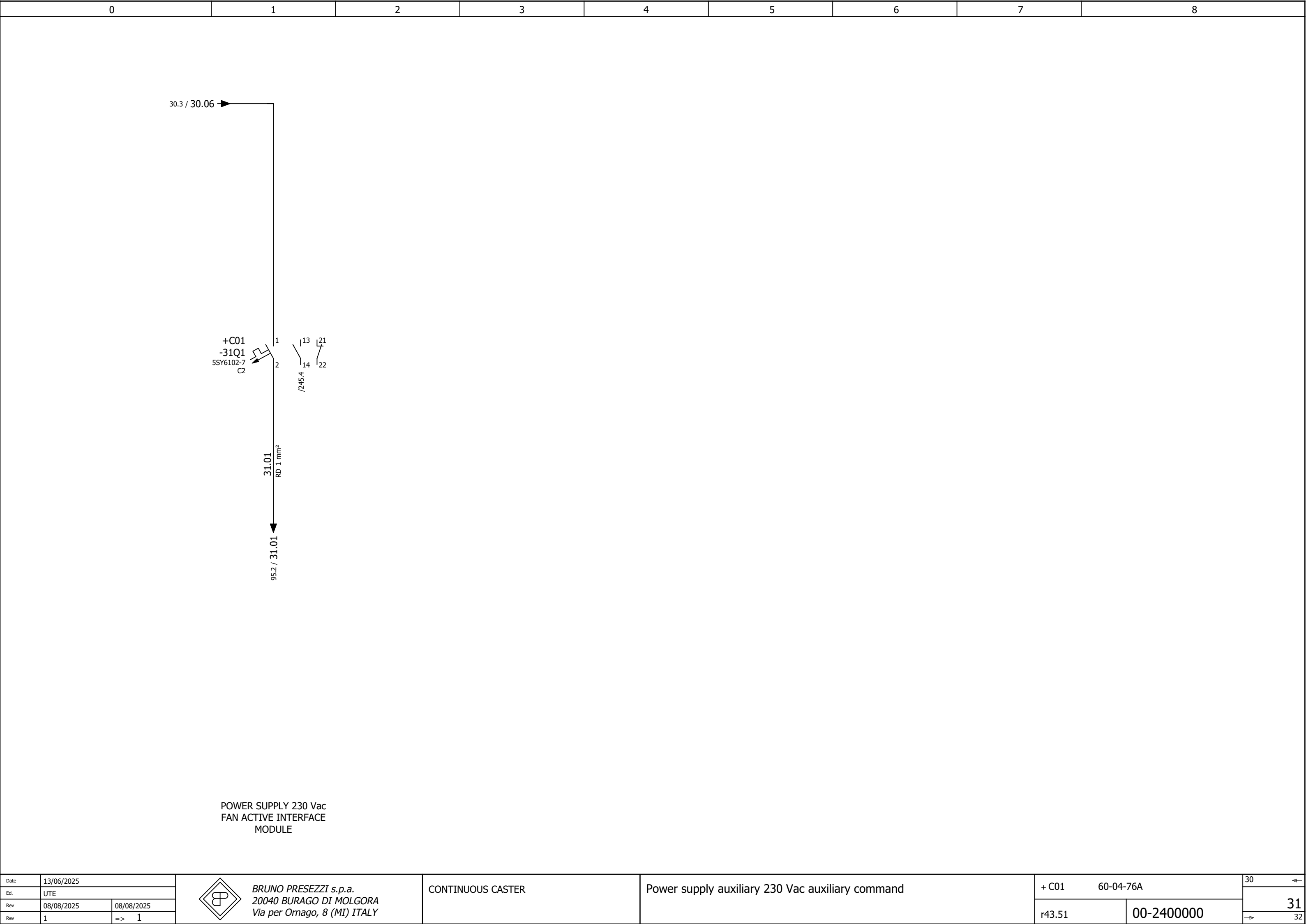
Date	13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	UPS	+ C01 60-04-76A		25
Ed.	UTE					r43.51	00-2400000	26
Rev	08/08/2025	08/08/2025						27
Rev	1	=> 1						

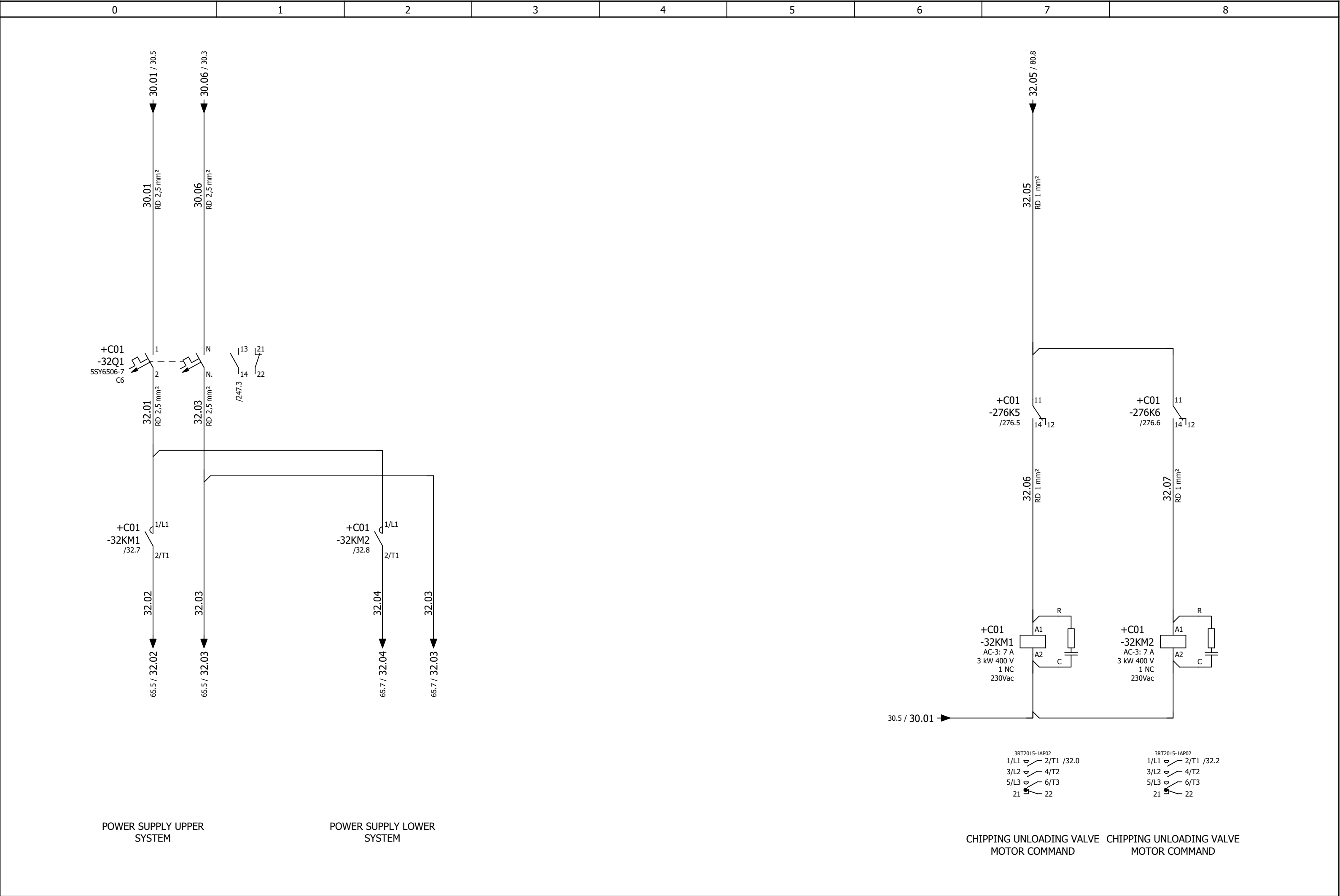


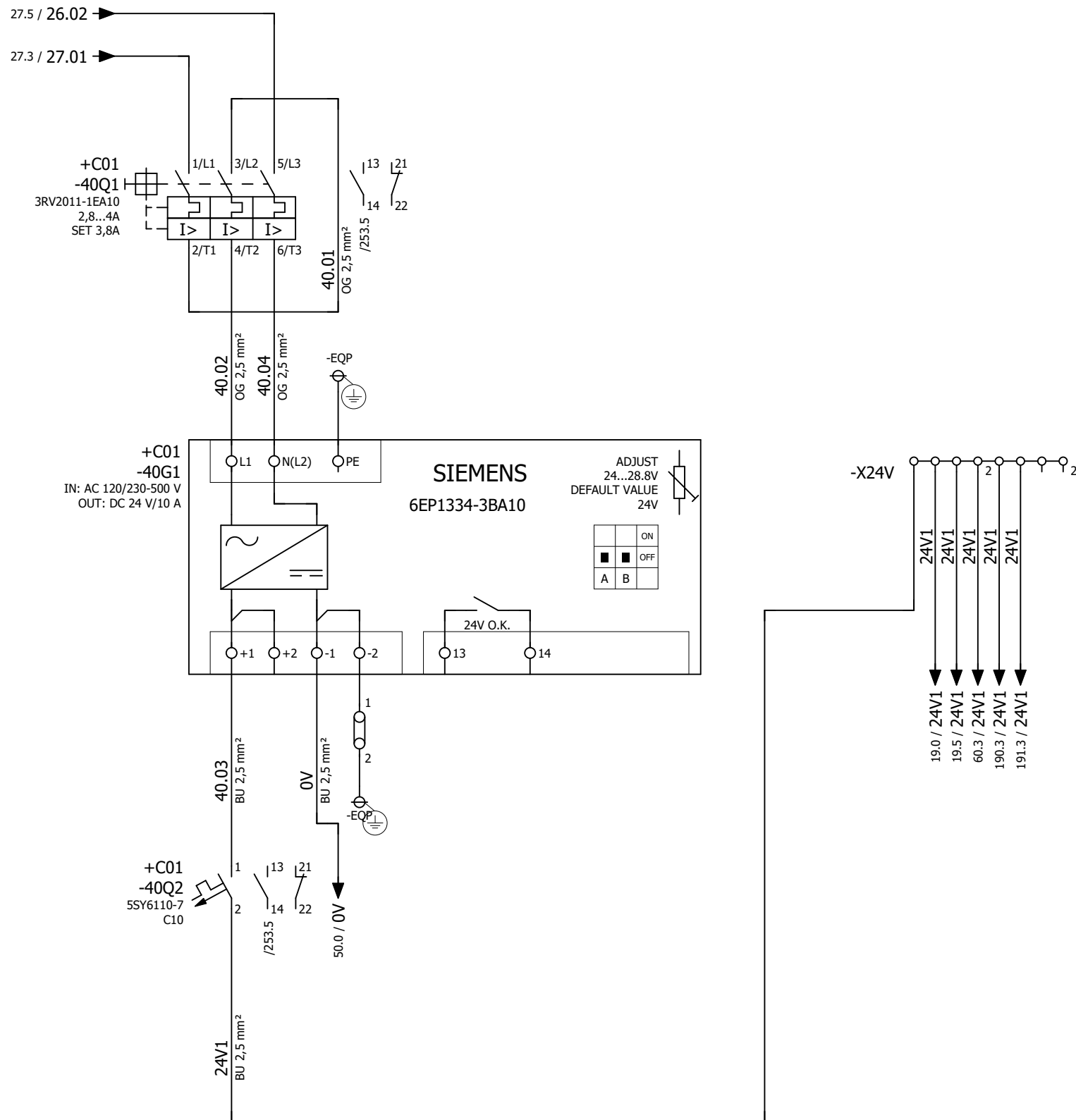


POWER SUPPLY 230 Vac
COMMAND

DISTRIBUTION 230 Vac
COMMAND







POWER SUPPLY 24 Vdc
PC-SWITCH

DISTRIBUTION 24 Vdc
PC-SWITCH

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1

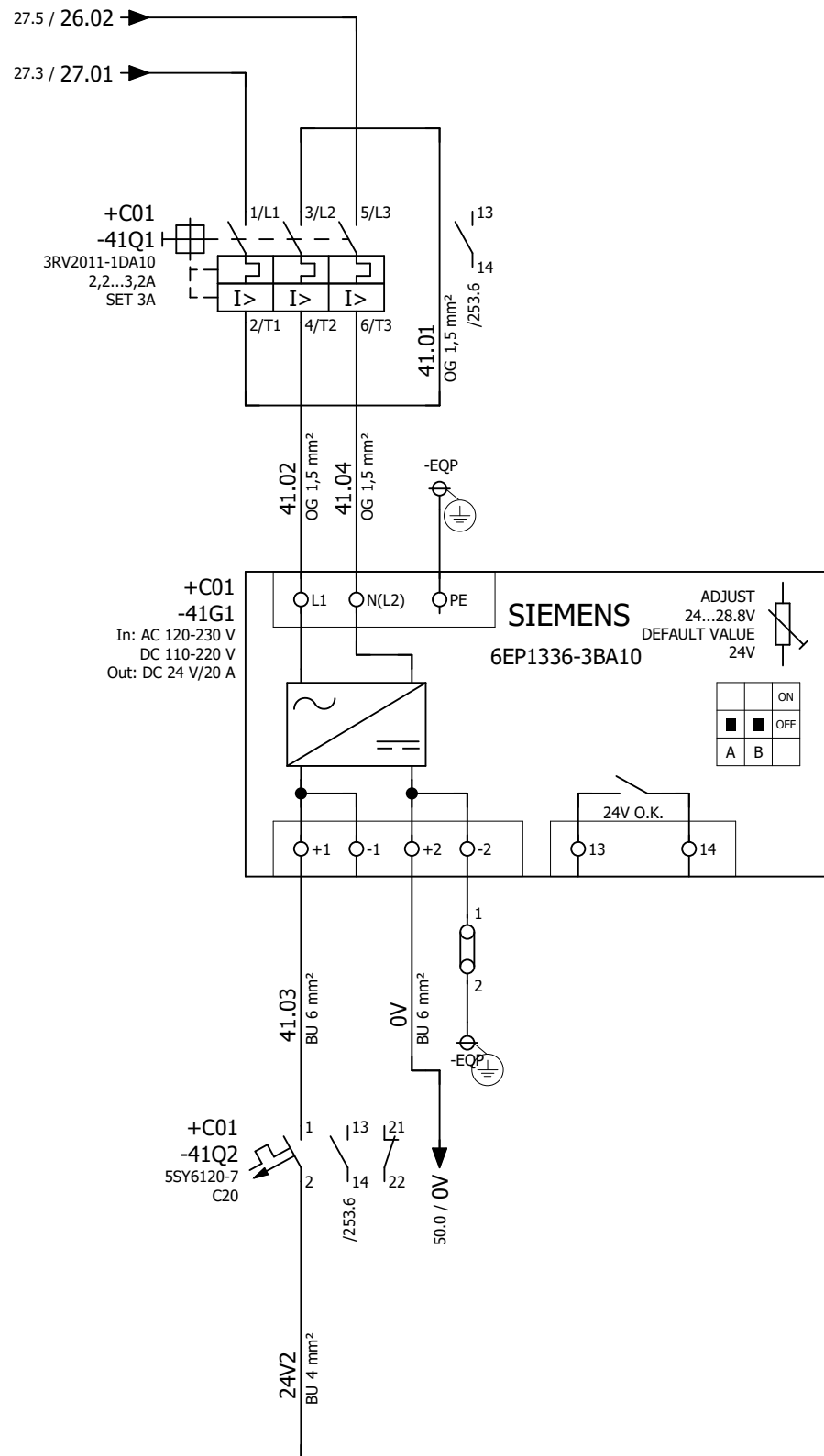


BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

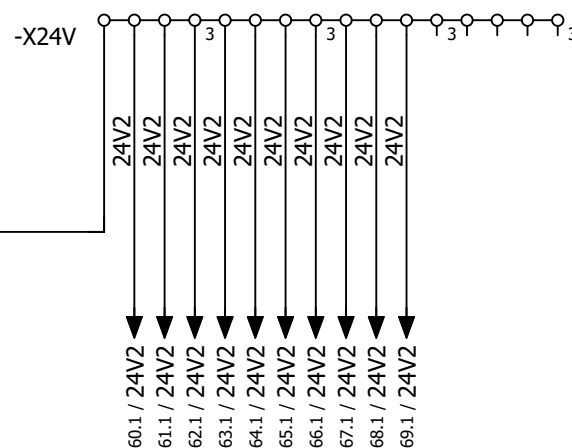
CONTINUOUS CASTER

Power supply auxiliary 24 Vdc PC Box - Switch

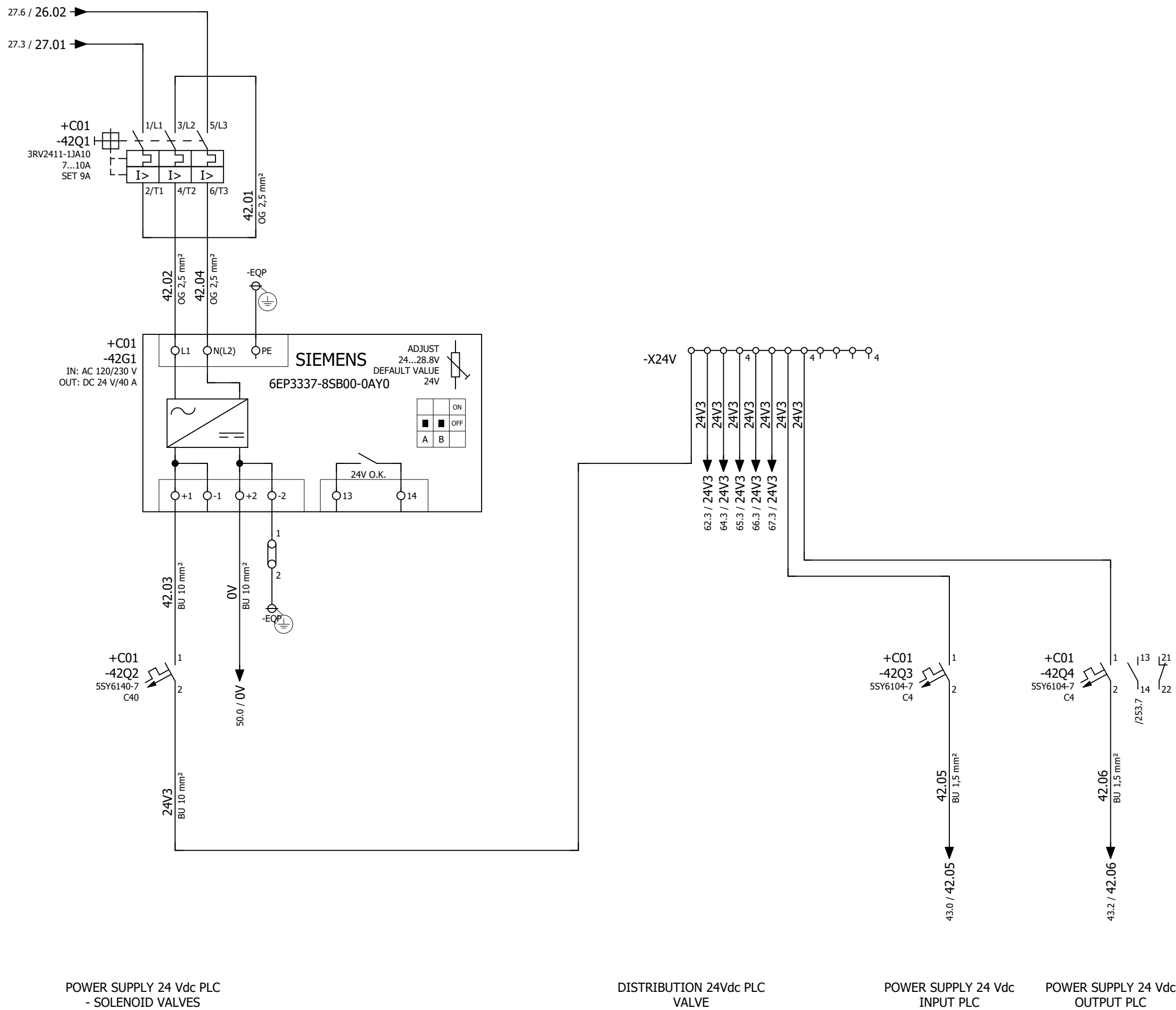
+ C01	60-04-76A	32	←
r43.51	00-2400000	40	→

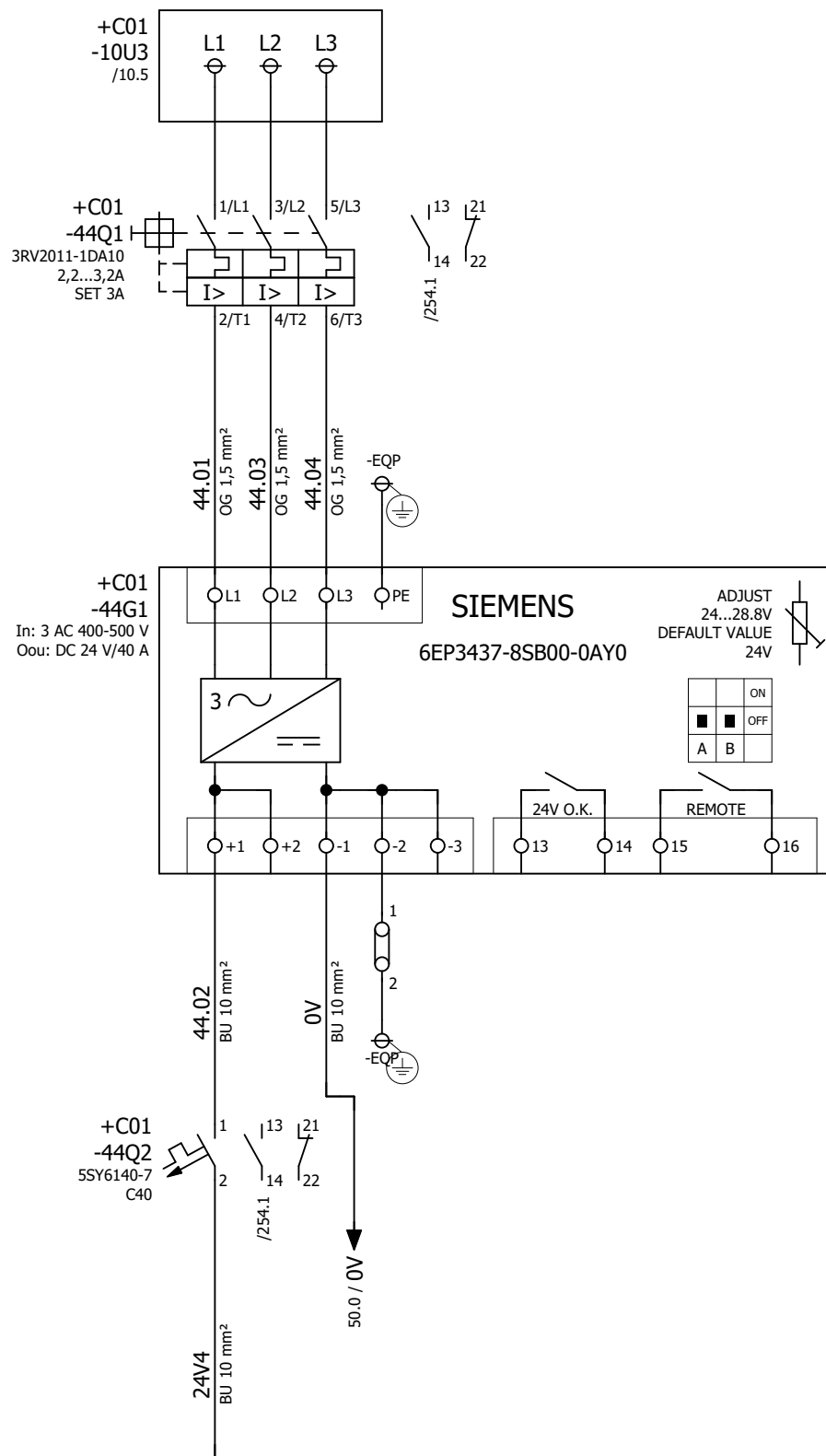


POWER SUPPLY 24 Vdc PLC
REMOTE I/O

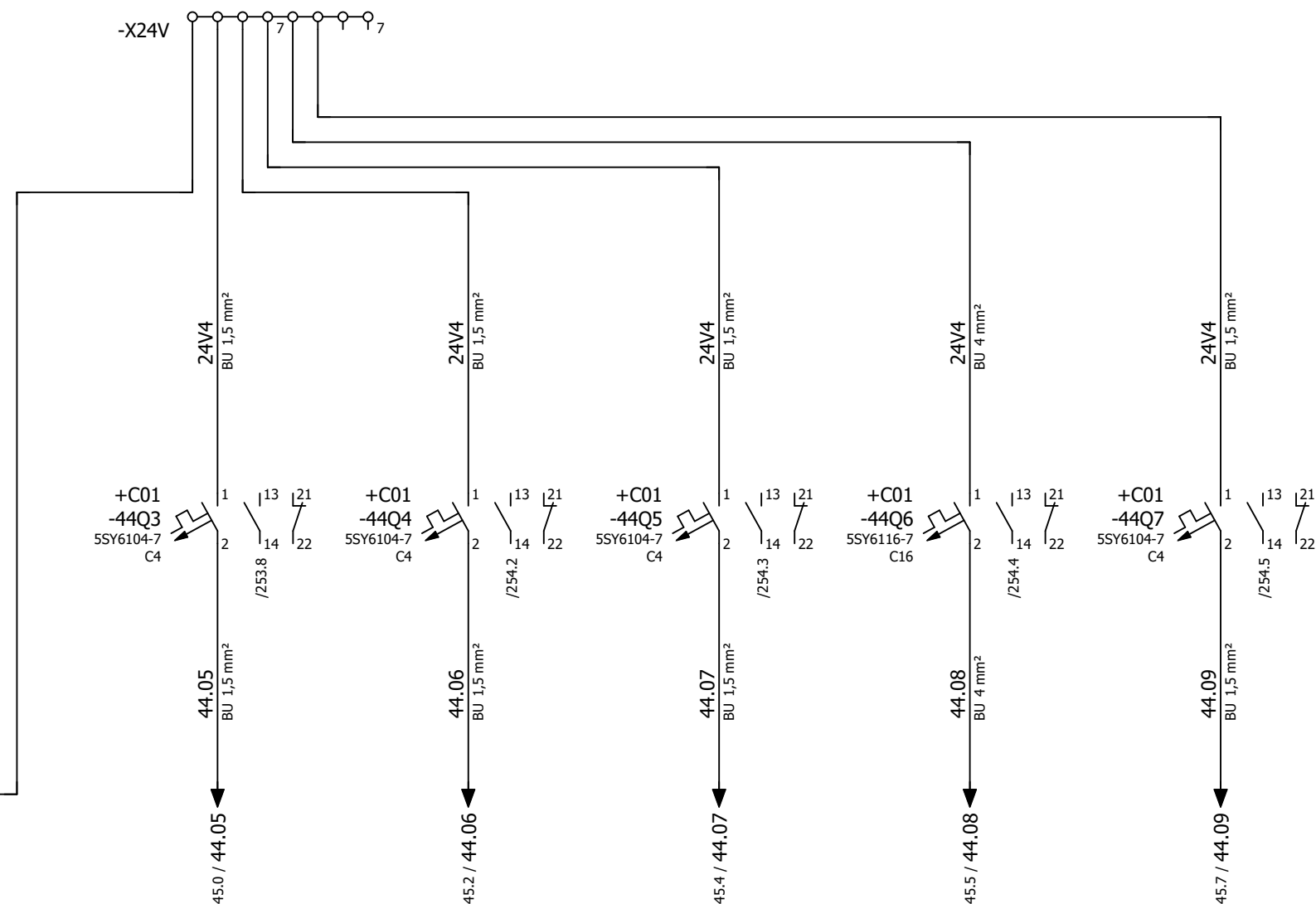


DISTRIBUTION 24 Vdc PLC
REMOT I/O





POWER SUPPLY 24 Vdc
DRIVE



POWER SUPPLY 24 Vdc
CONTROL UNIT

POWER SUPPLY 24 Vdc
ACTIVE LINE

POWER SUPPLY 24 Vdc
DRIVE CHASSIS

POWER SUPPLY 24 Vdc
DRIVE BOOKSIZE

POWER SUPPLY 24 Vdc
DRIVE G120C

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

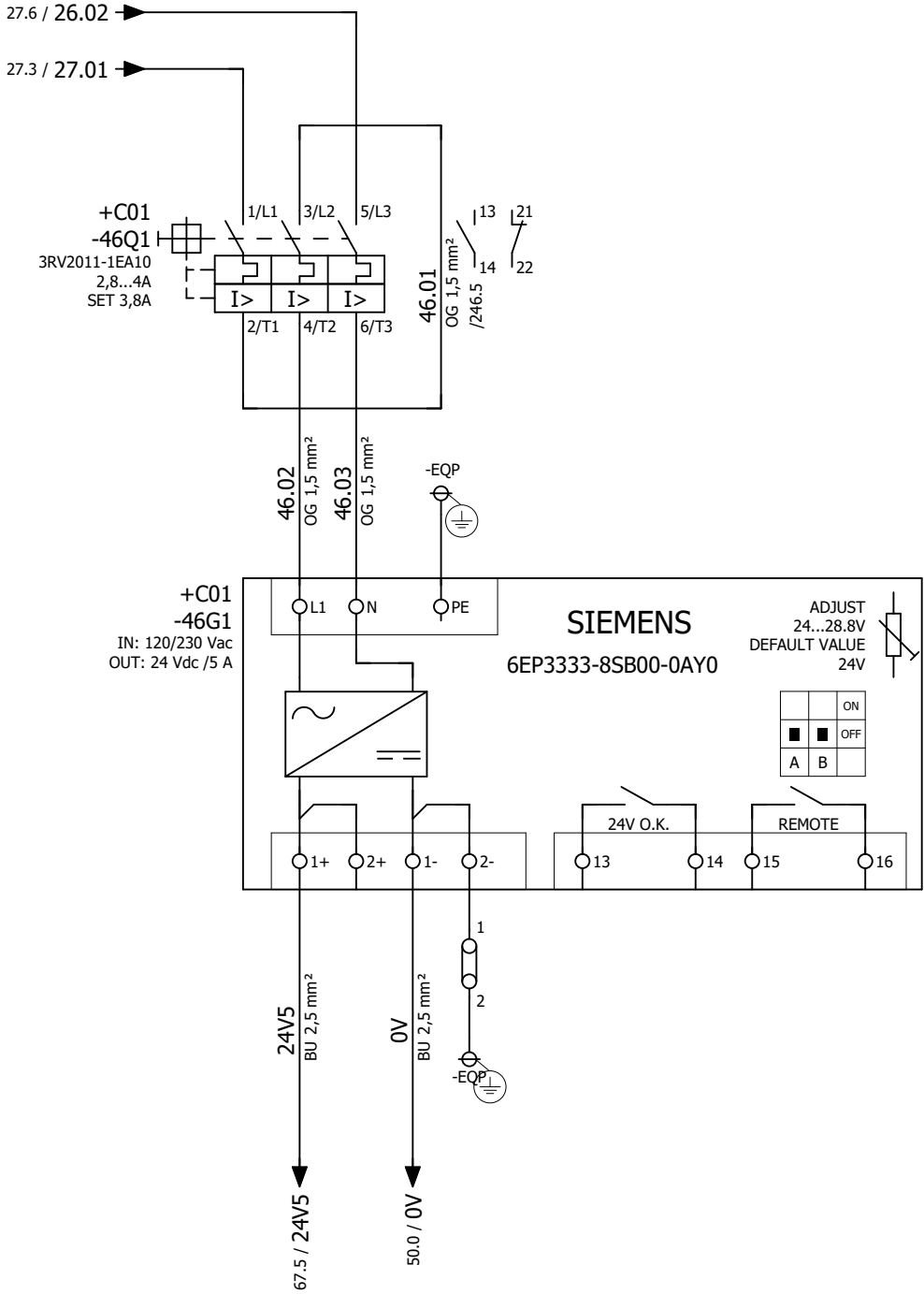
CONTINUOUS CASTER

Power supply auxiliary 24 Vdc drive

+ C01 60-04-76A


r43.51

00-2400000



POWER SUPPLY 24 Vdc
TRANSDUCERS

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1

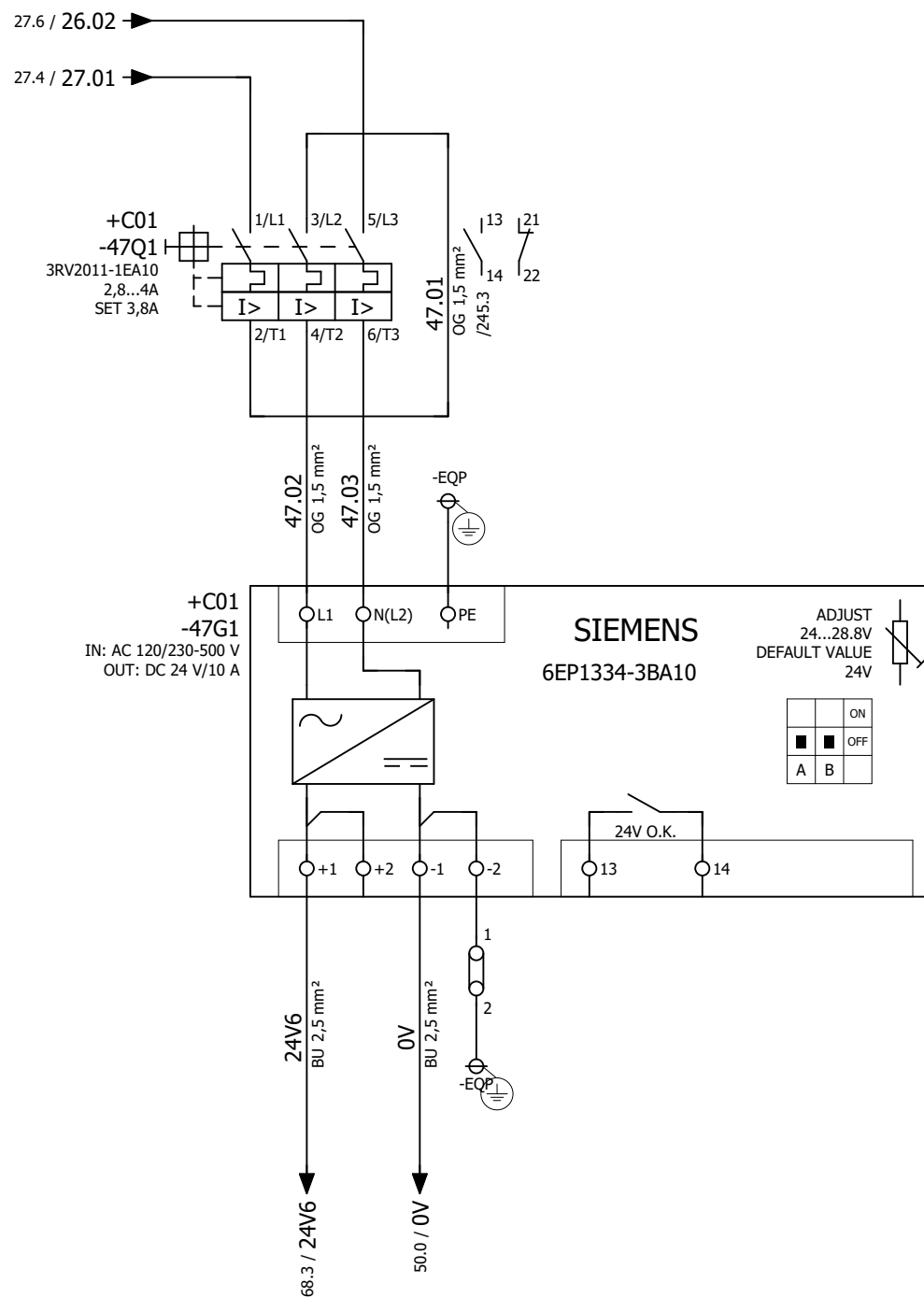


BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Power supply auxiliary 24 Vdc transducers

+ C01 60-04-76A		45	←
r43.51 00-2400000		46	
		47	→



POWER SUPPLY 24 Vdc
TRANSDUCERS

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1

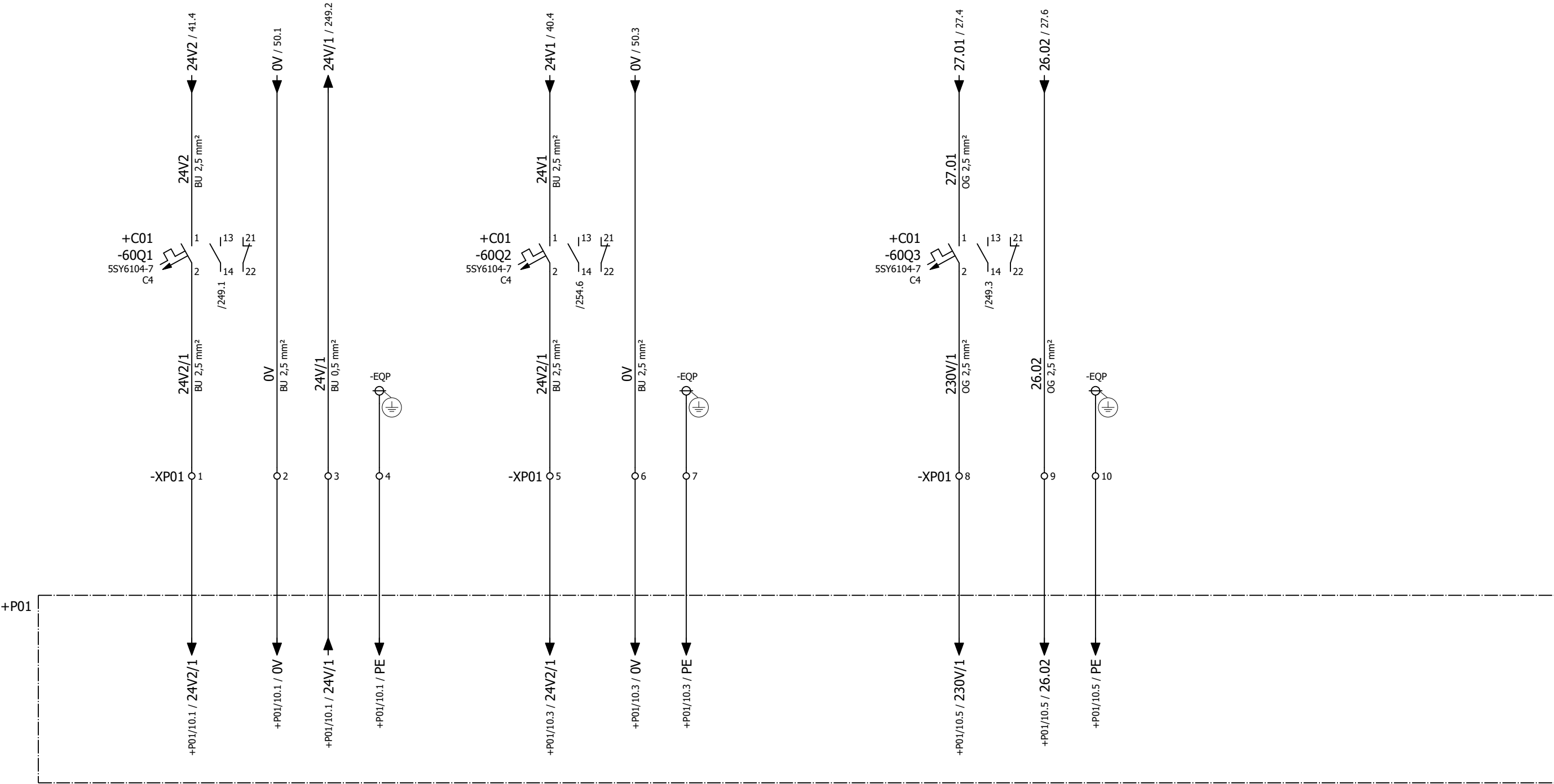


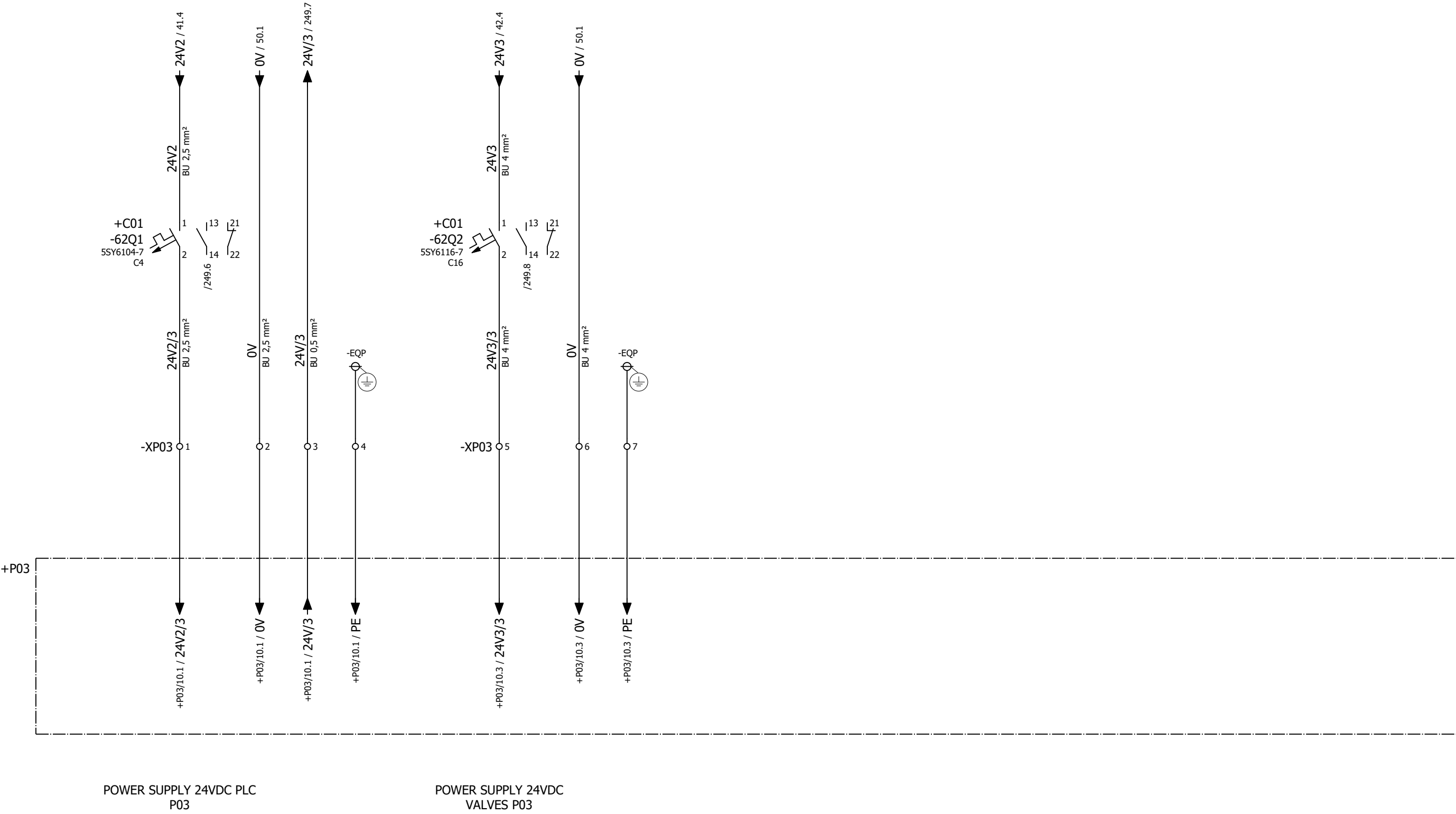
BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

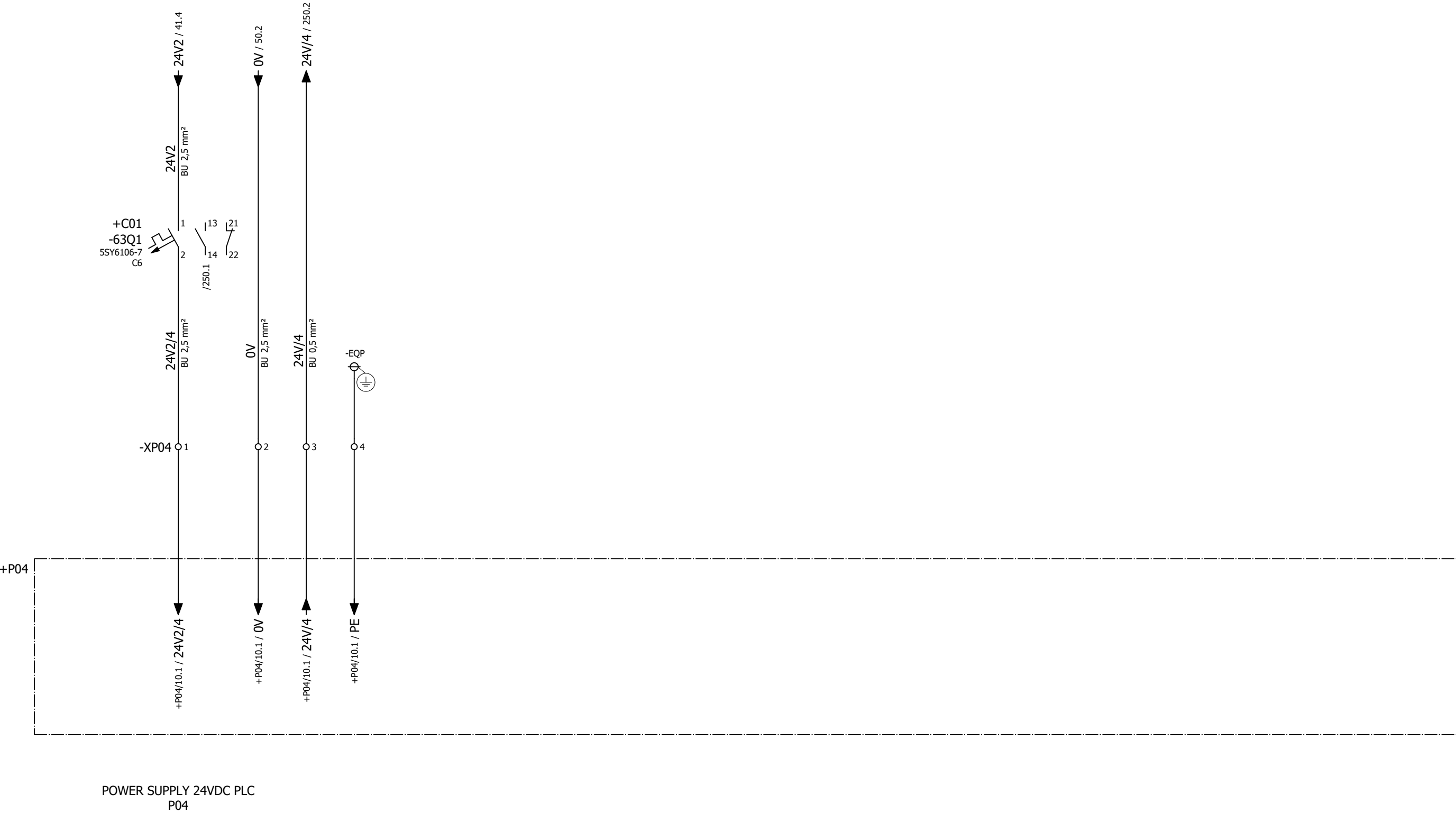
CONTINUOUS CASTER

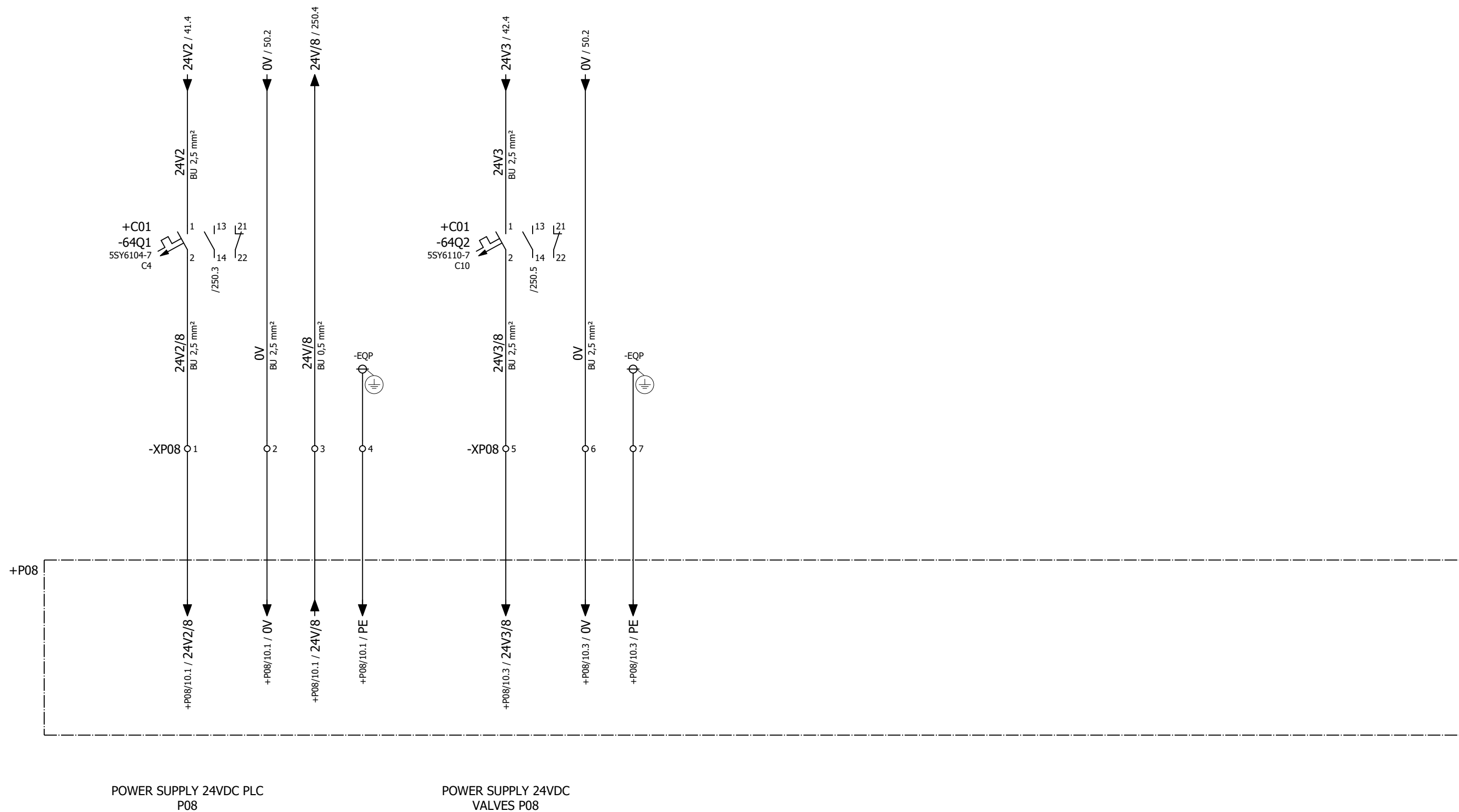
Power supply auxiliary 24 Vdc level controller

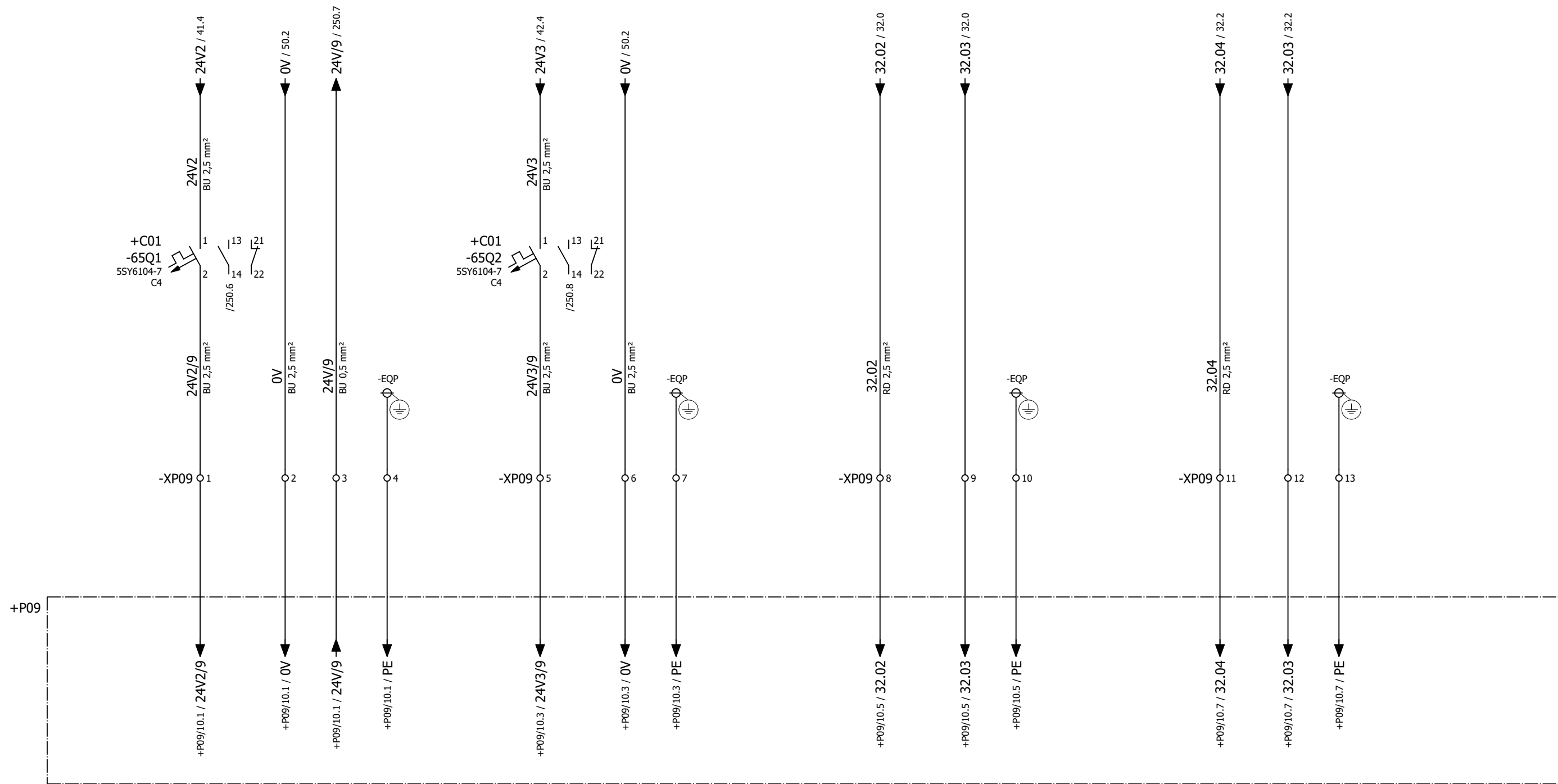
+ C01	60-04-76A	46	←
r43.51	00-2400000	47	→
		50	

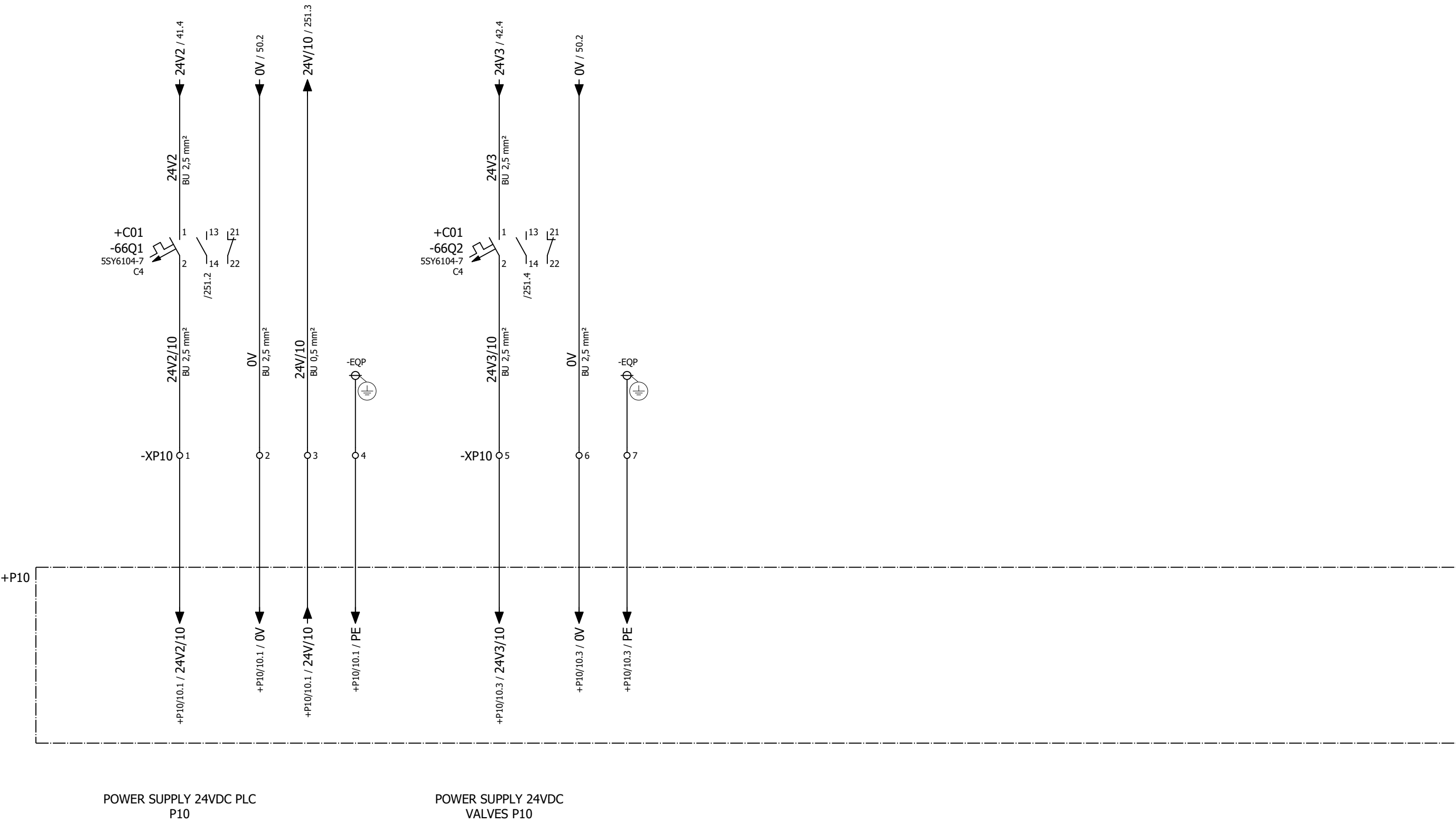


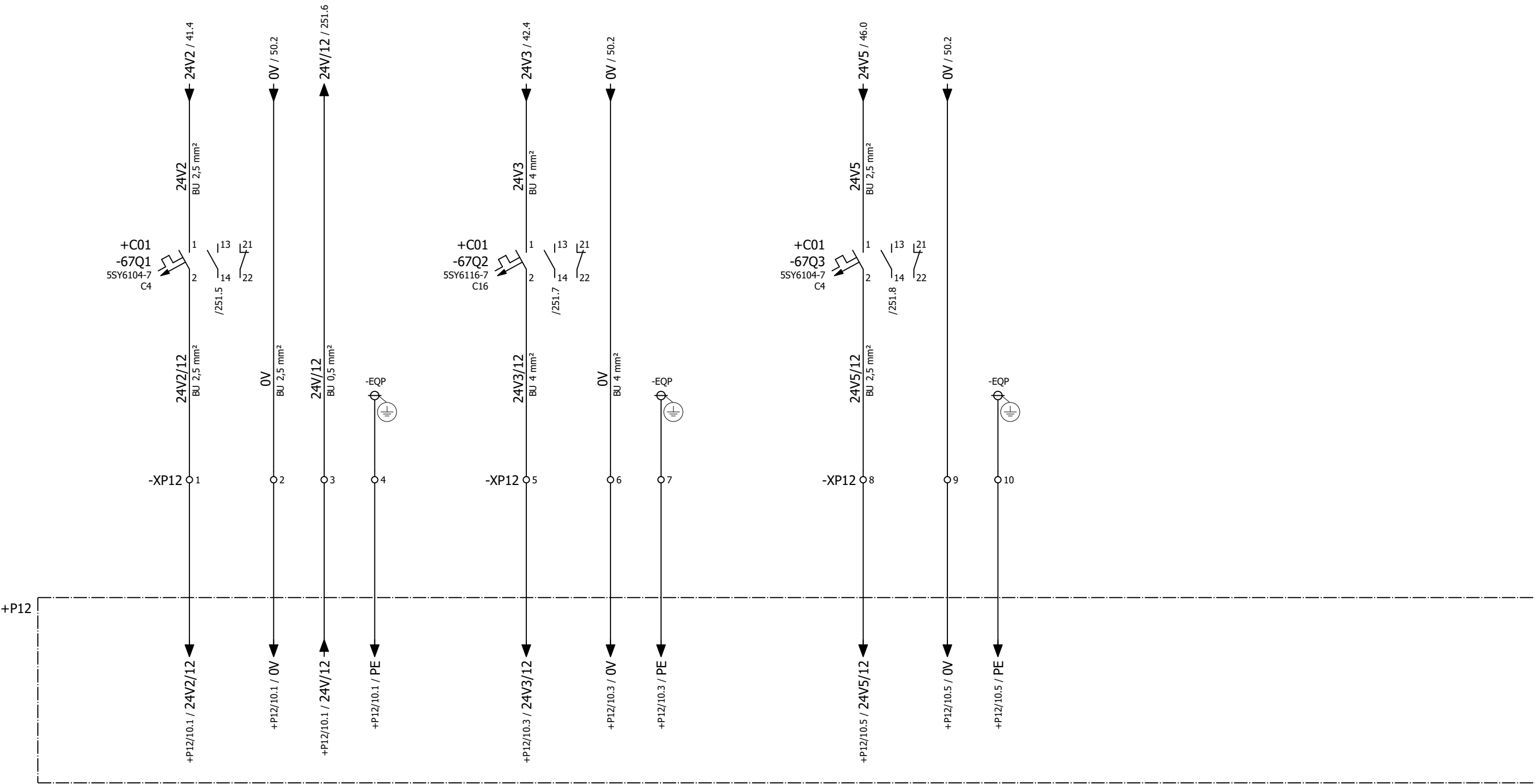


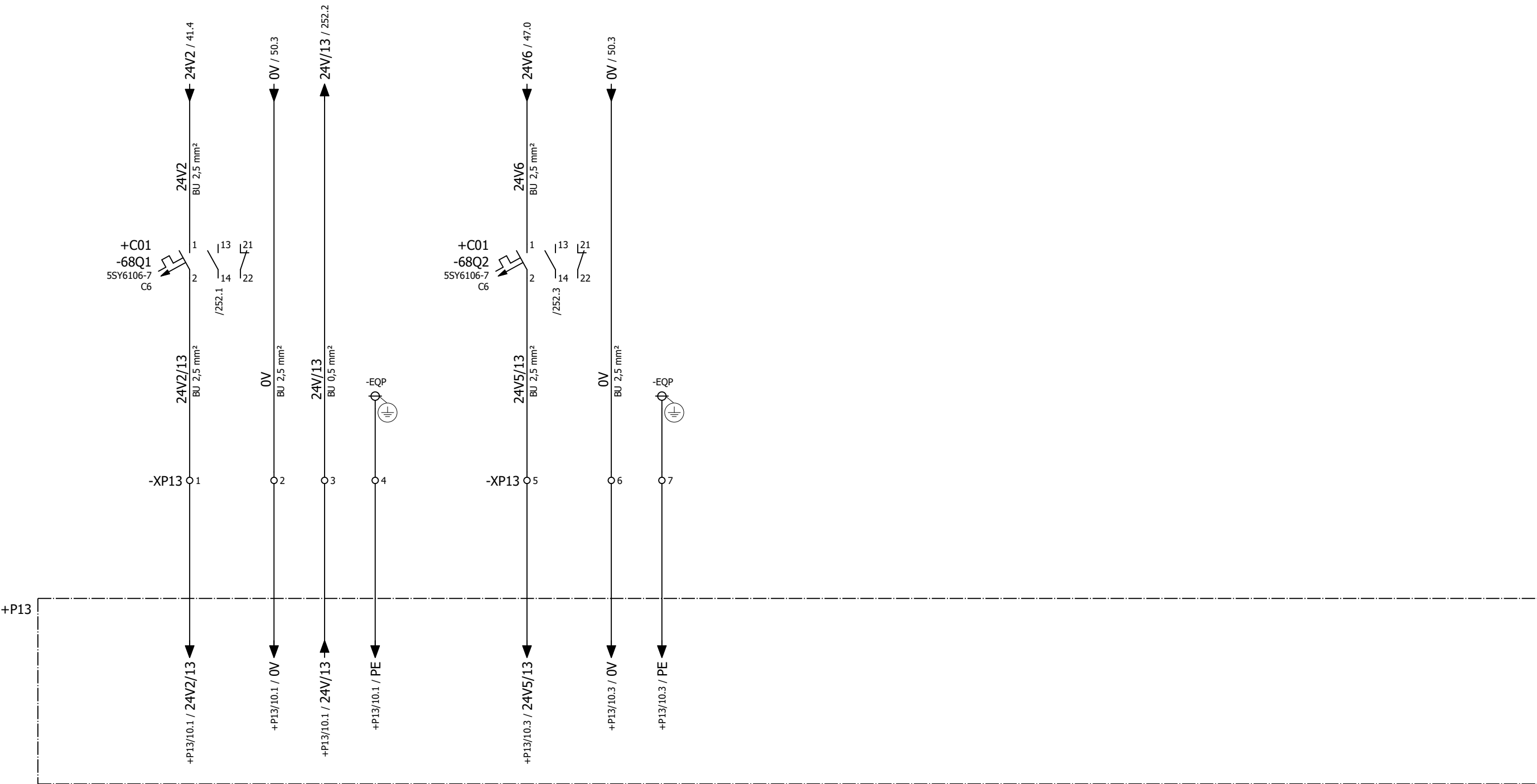


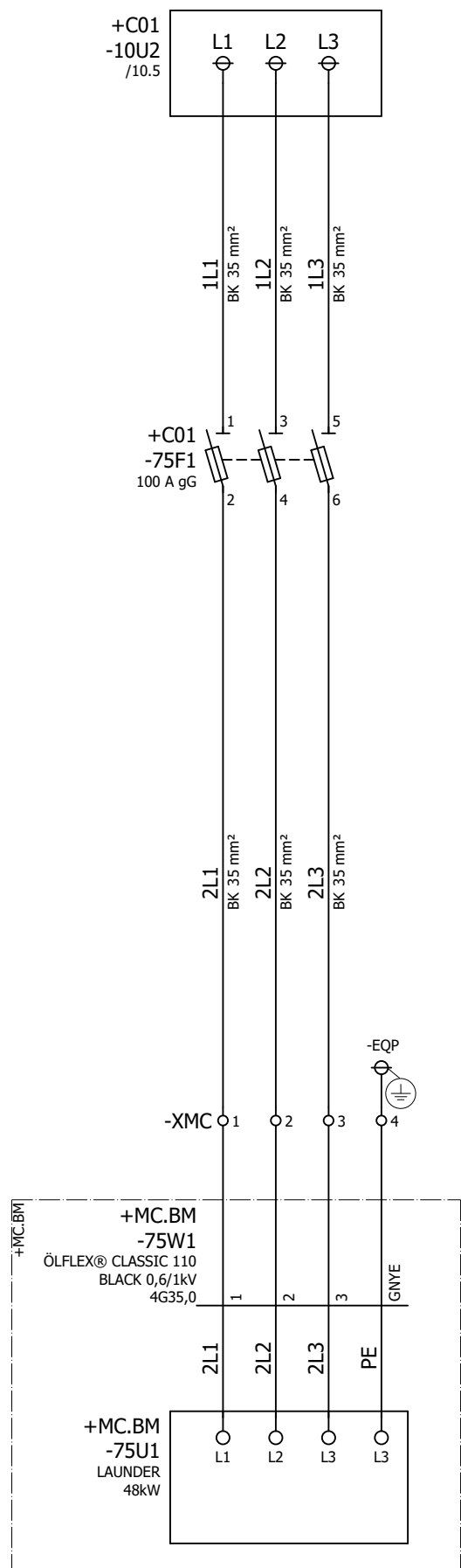




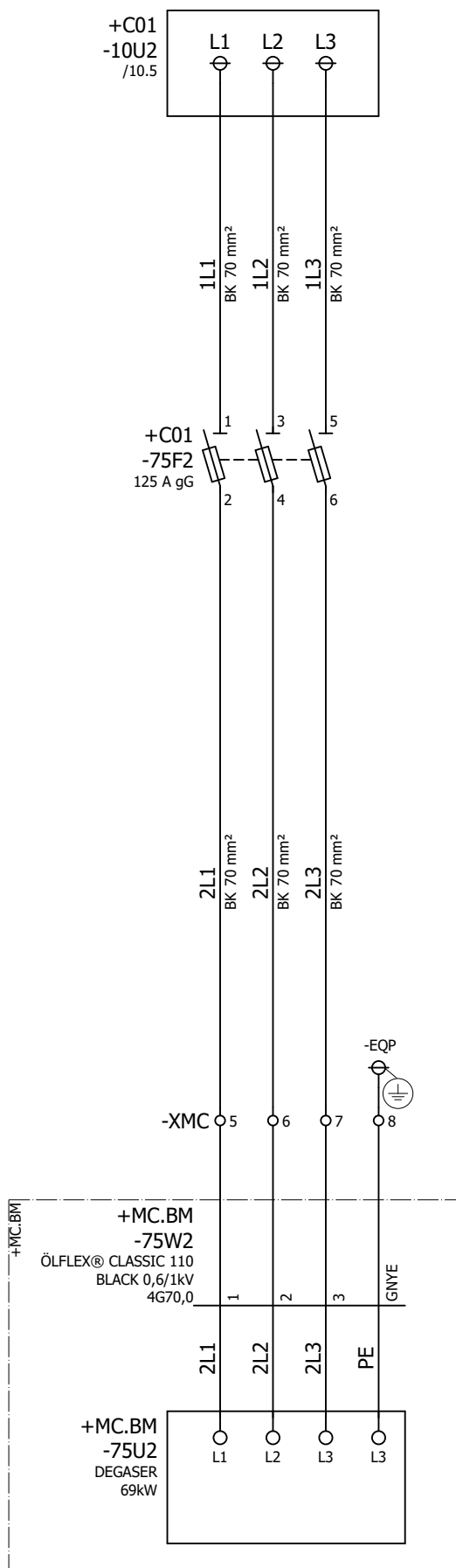




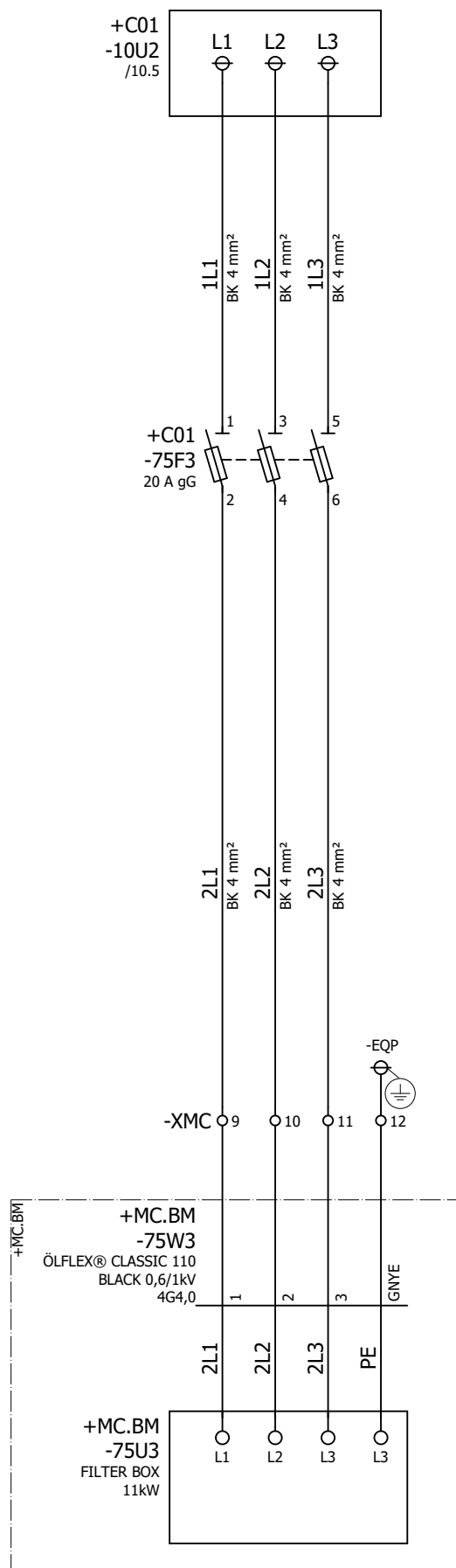




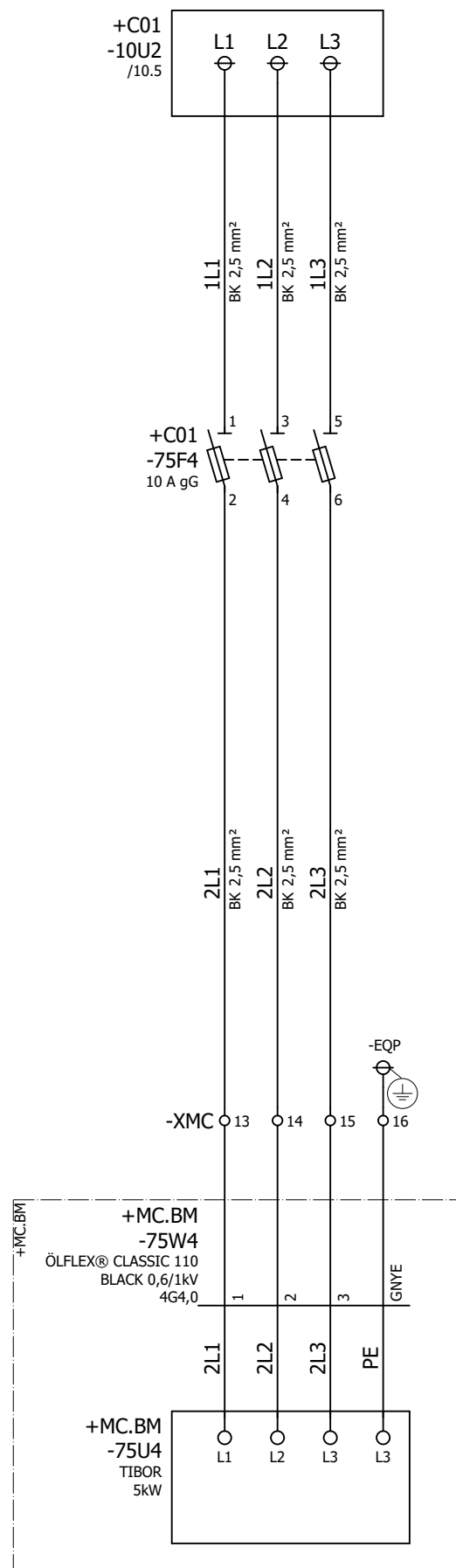
POWER SUPPLY 400Vac
LAUNDER



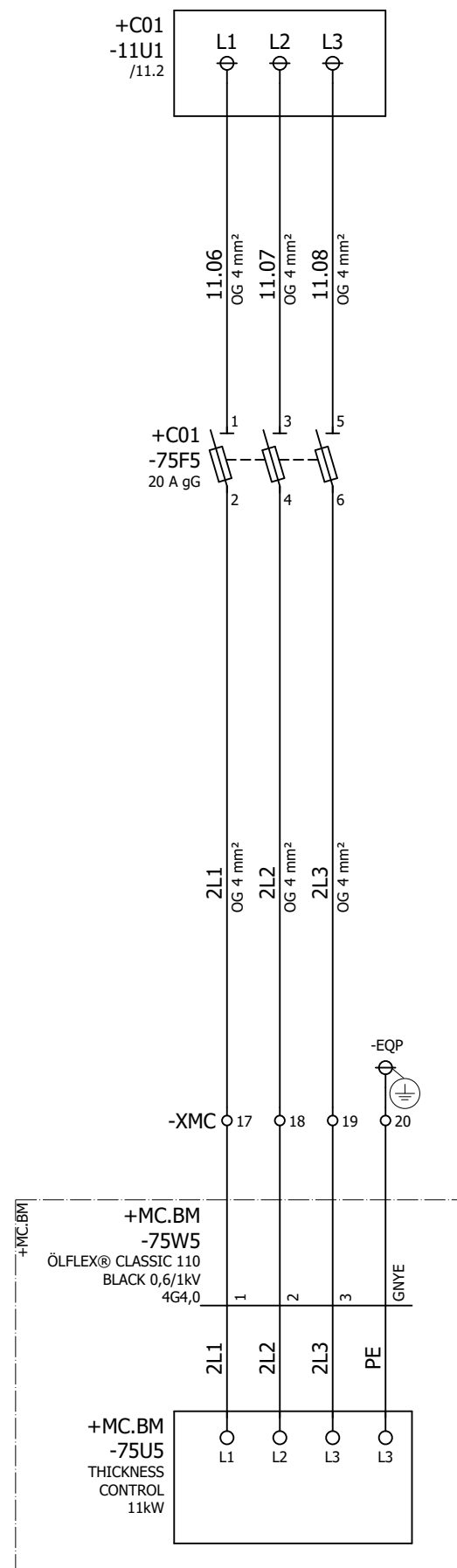
POWER SUPPLY 400Vac
DEGASER



POWER SUPPLY 400Vac
FILTER BOX



POWER SUPPLY 400Vac
TIBOR



POWER SUPPLY 400Vac
THICKNESS CONTROL

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Power supply external machines

+ C01 60-04-76A

r43.51

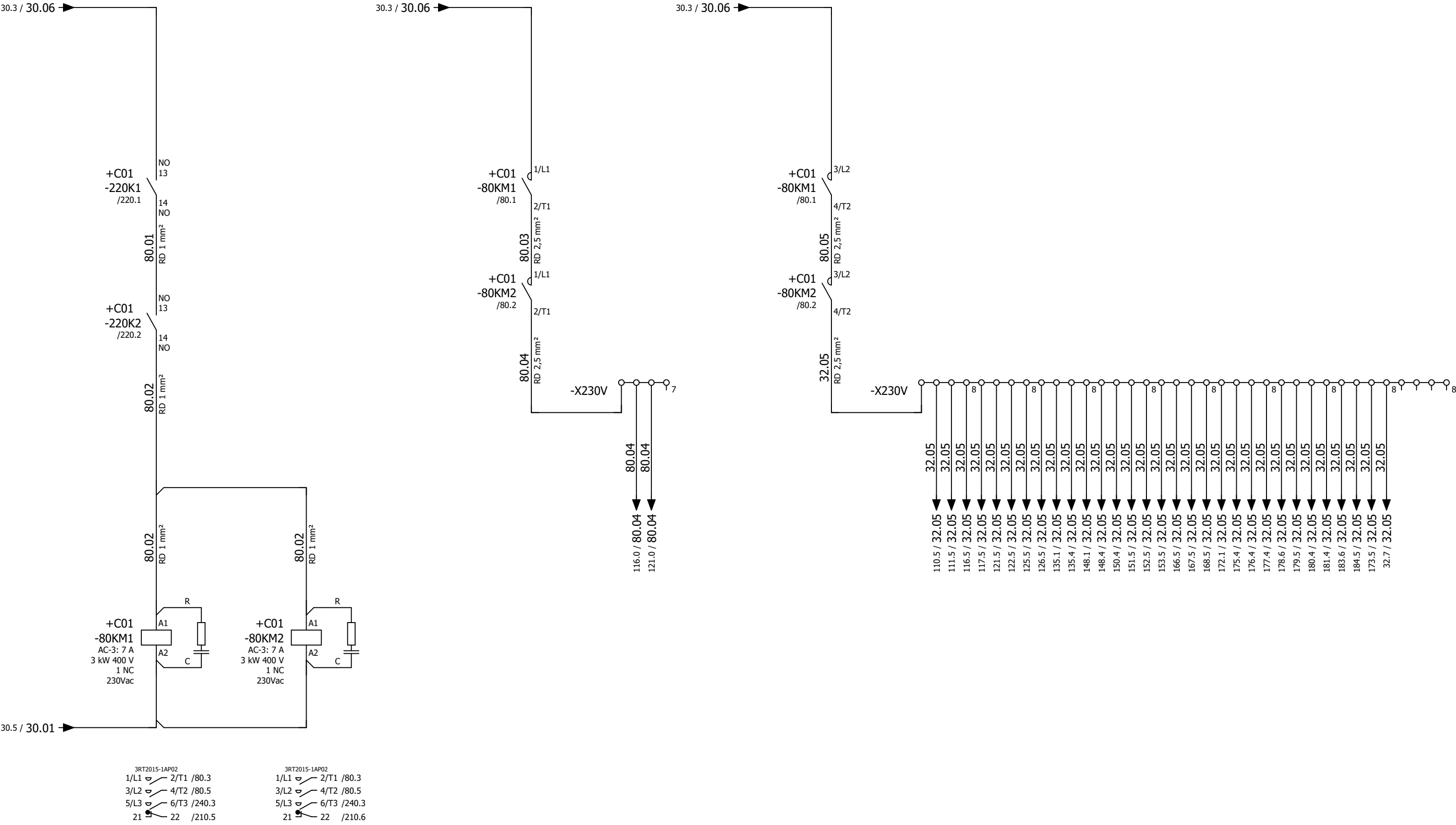
00-2400000

69

←

75

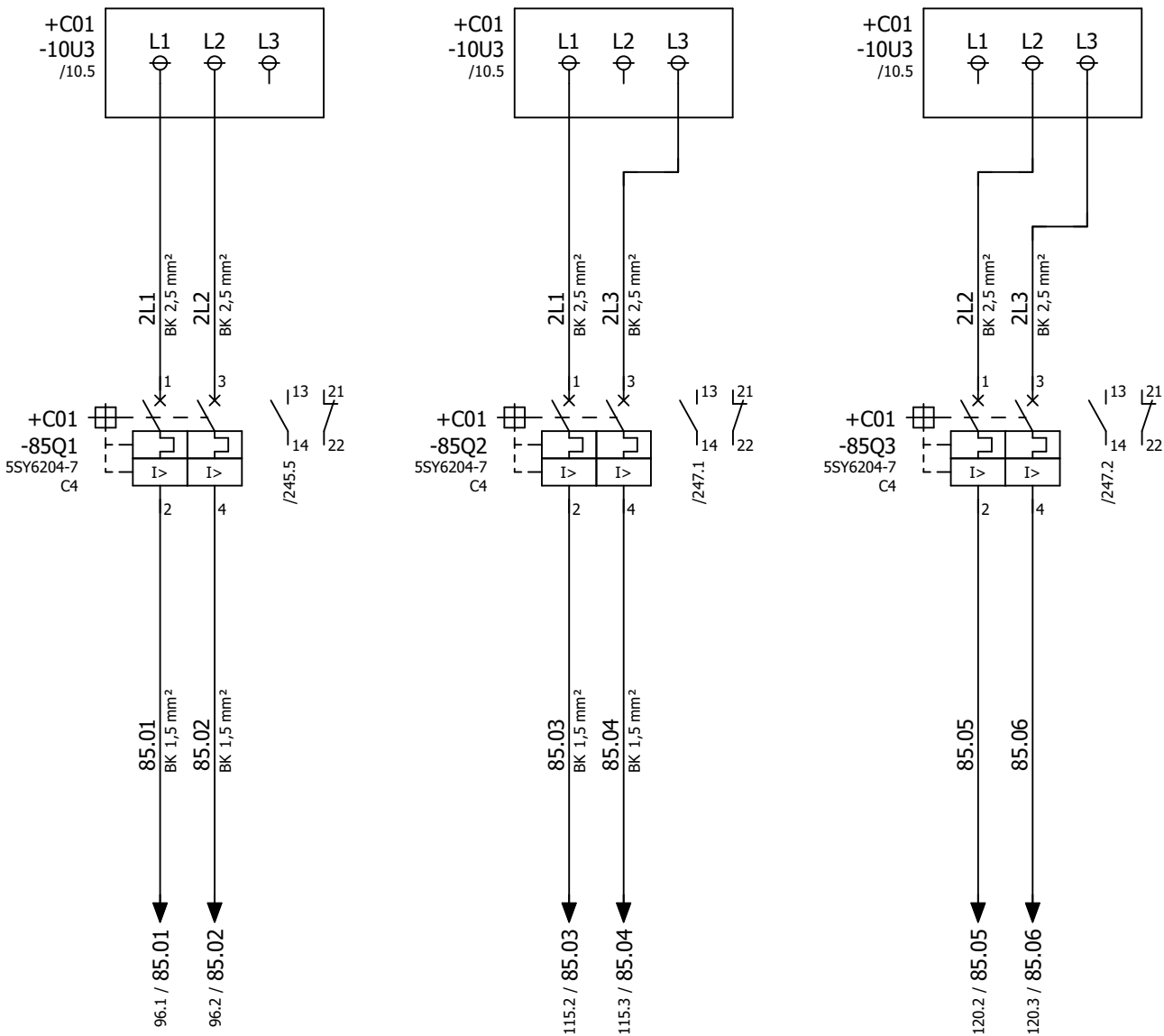
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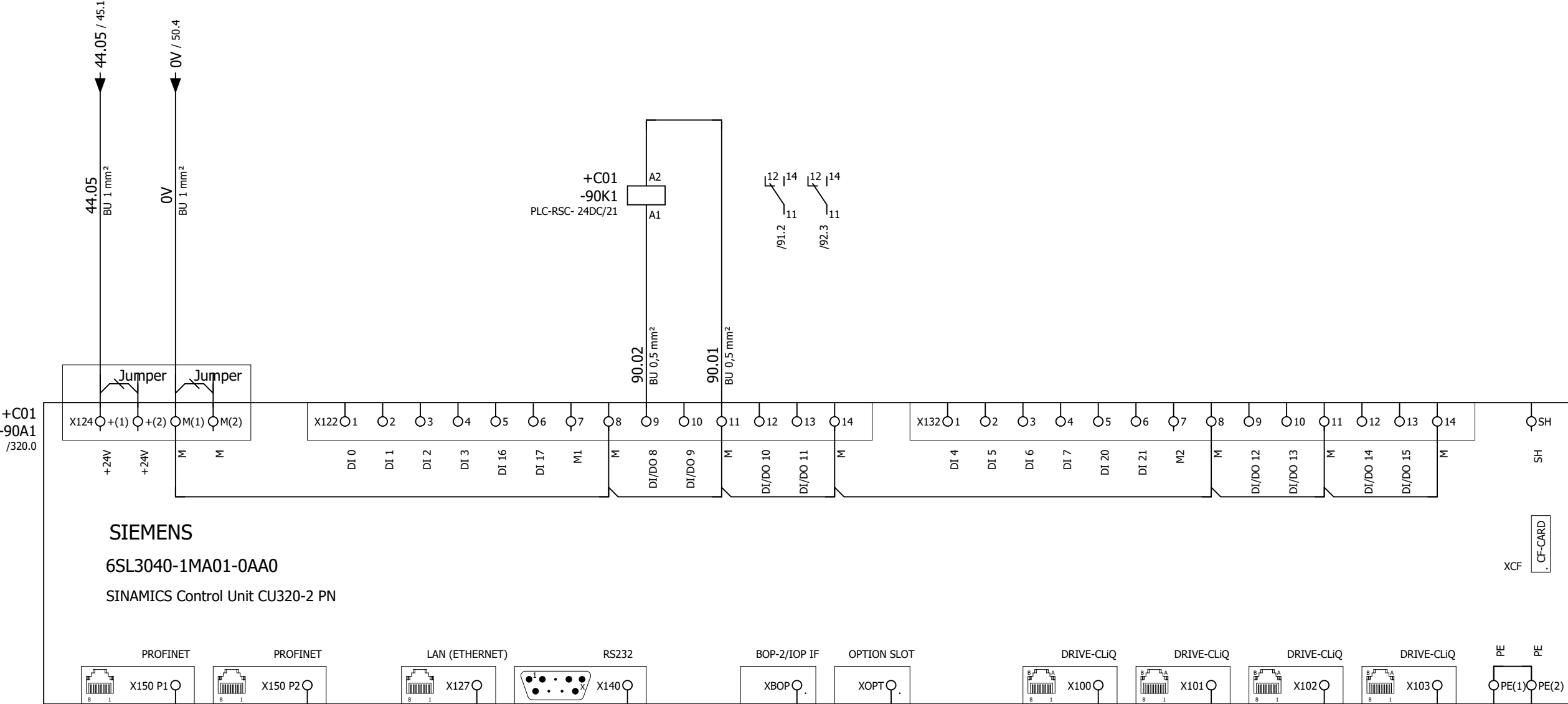


EMERGENCY CONTACTORS

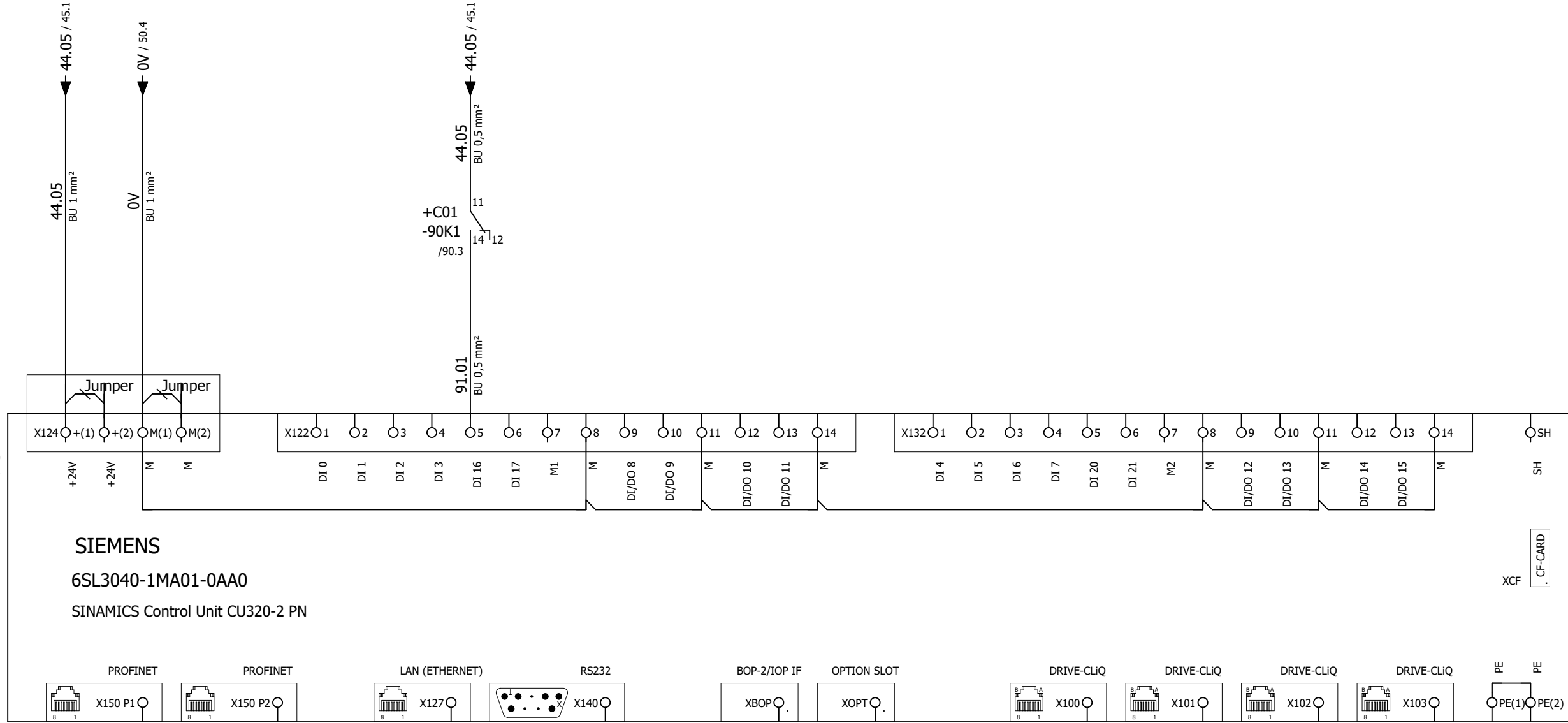
DISTRIBUTION 230 Vac
EMERGENCY FAN

DISTRIBUTION 230 Vac
CONTACTOR

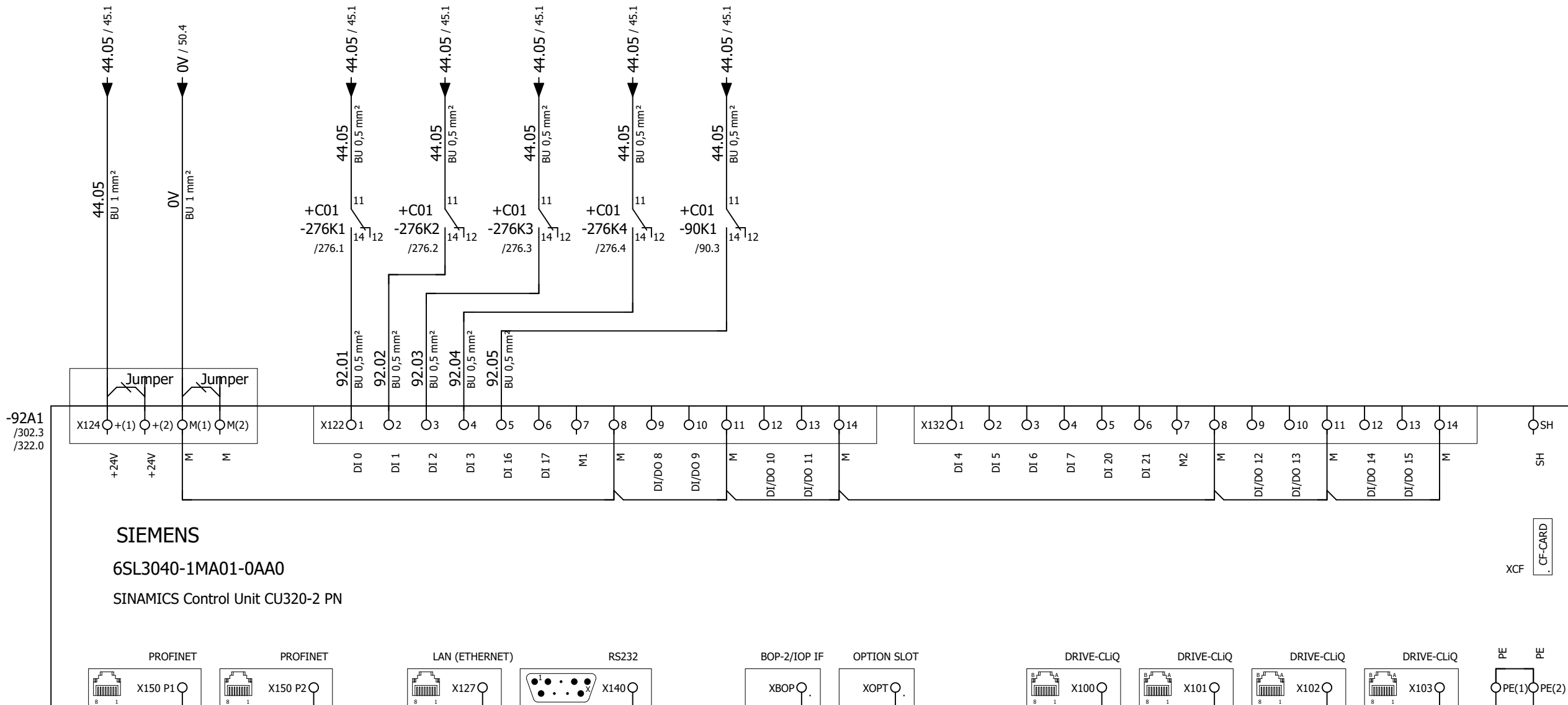




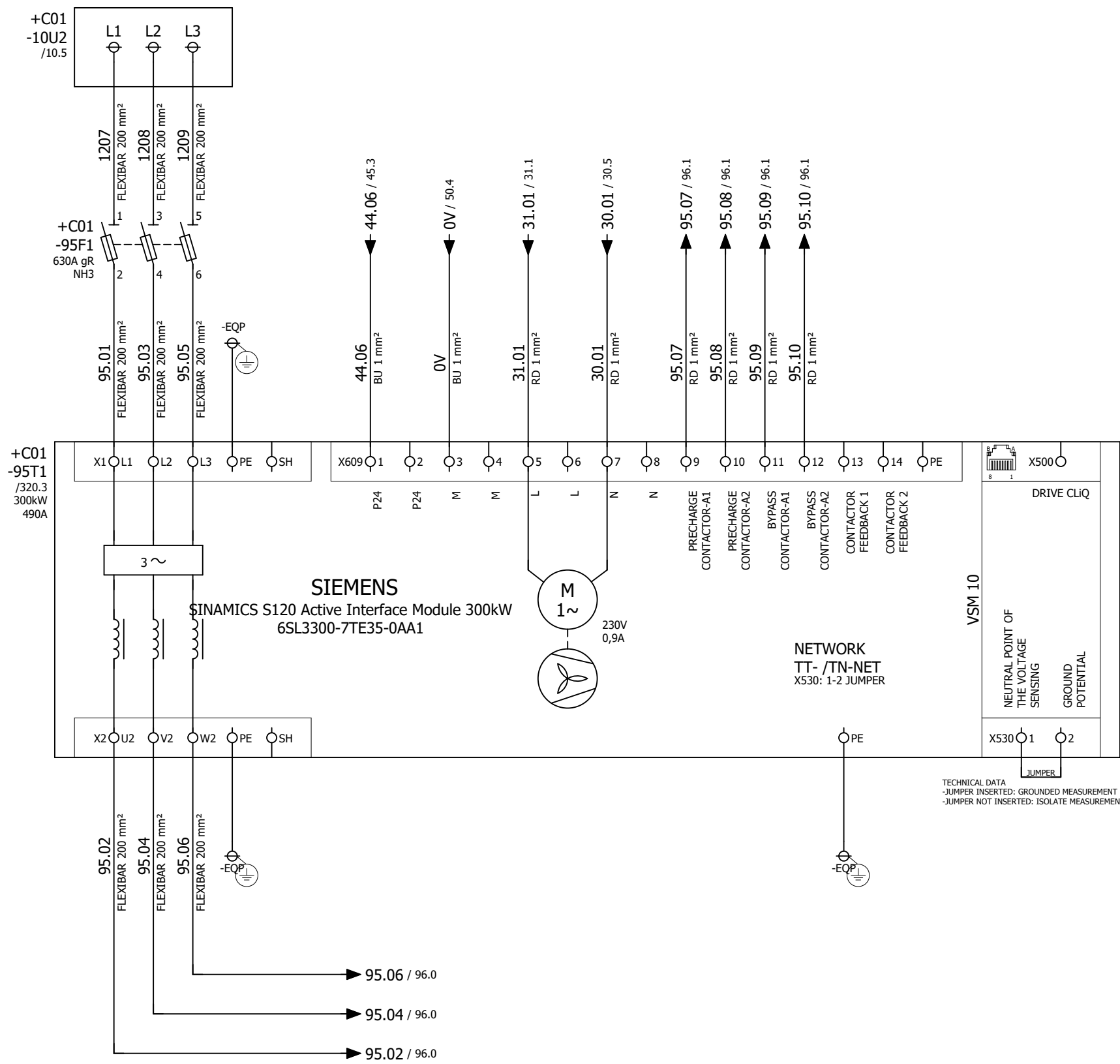
CONTROL UNIT 1

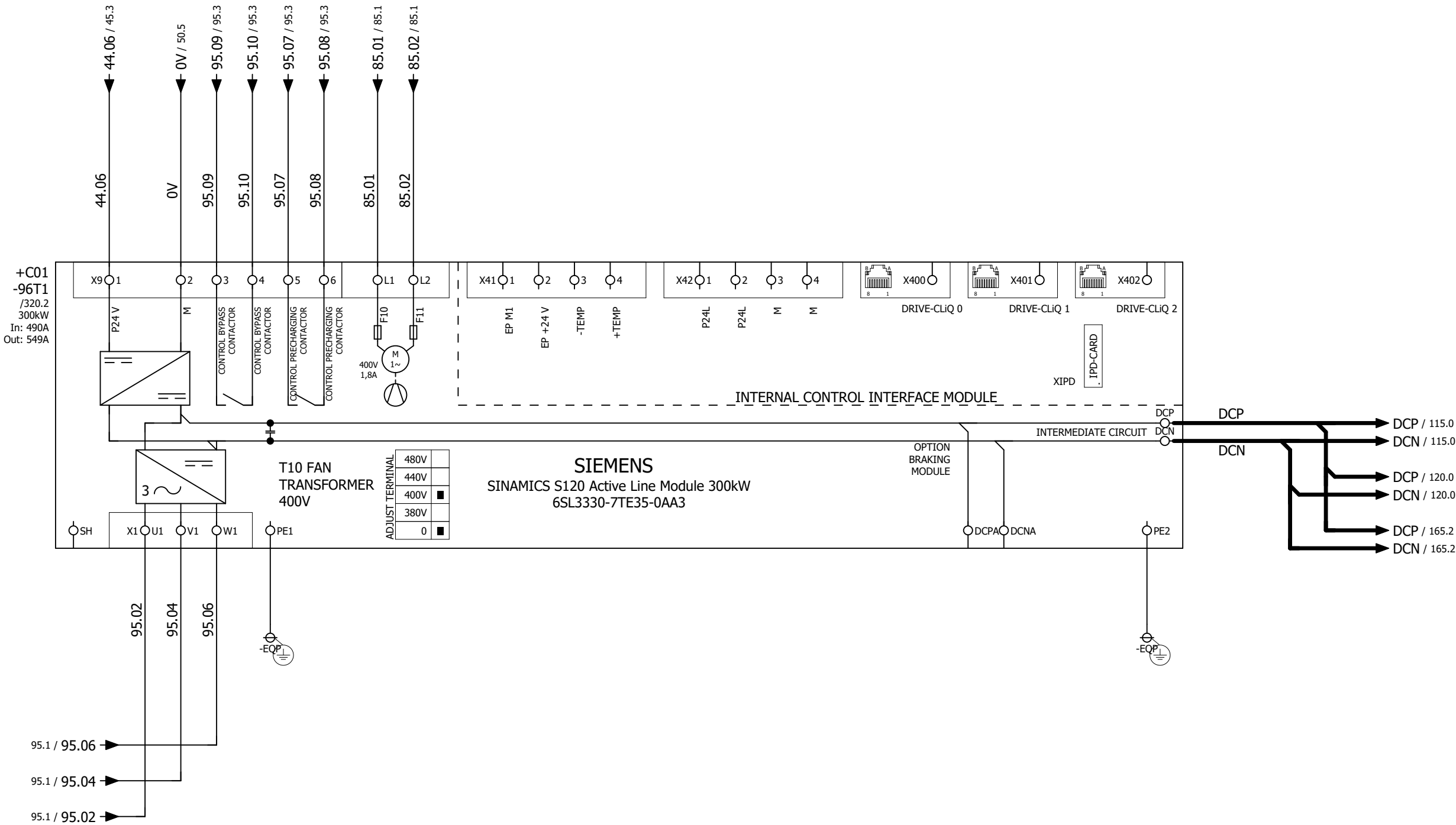


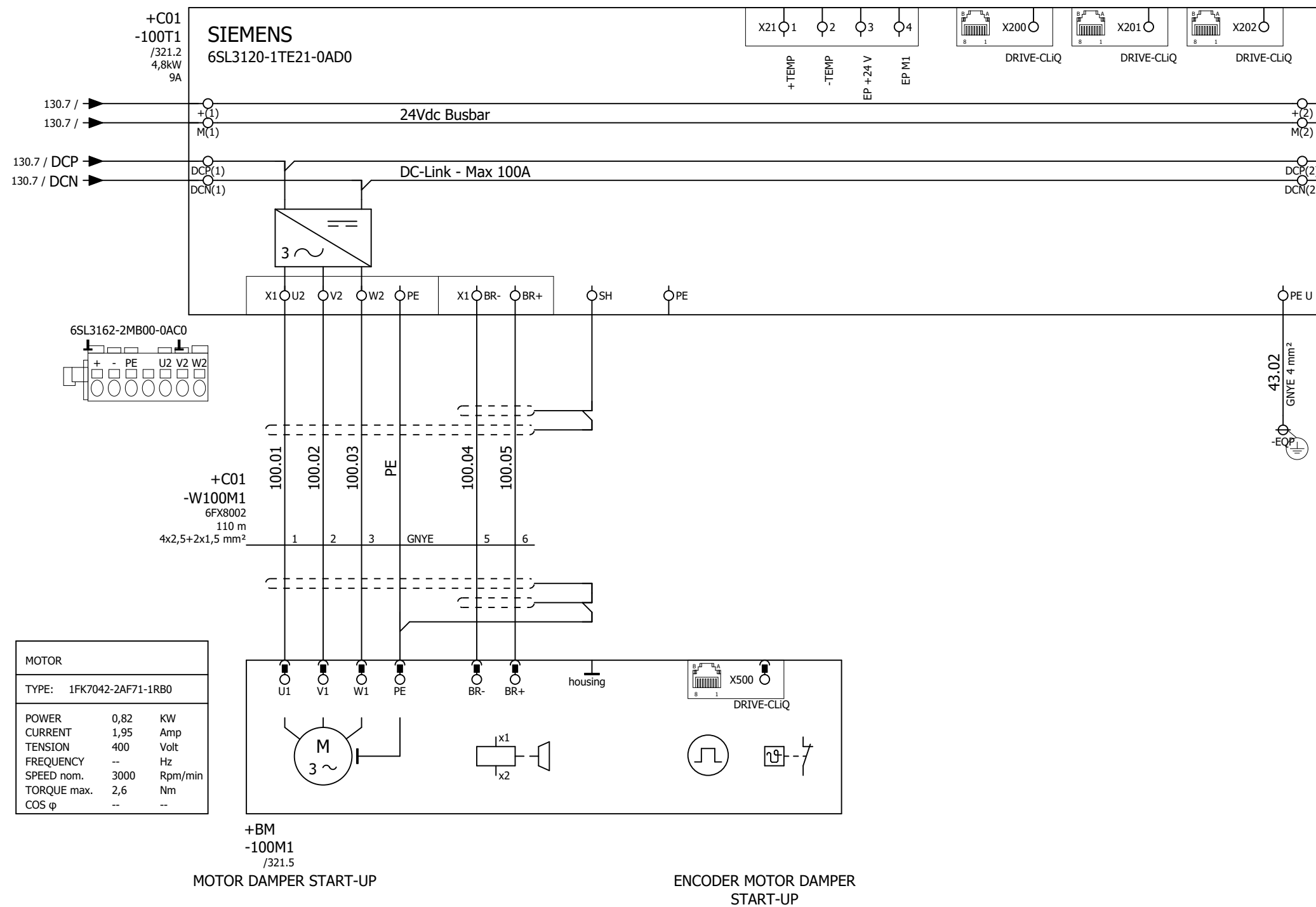
CONTROL UNIT 2



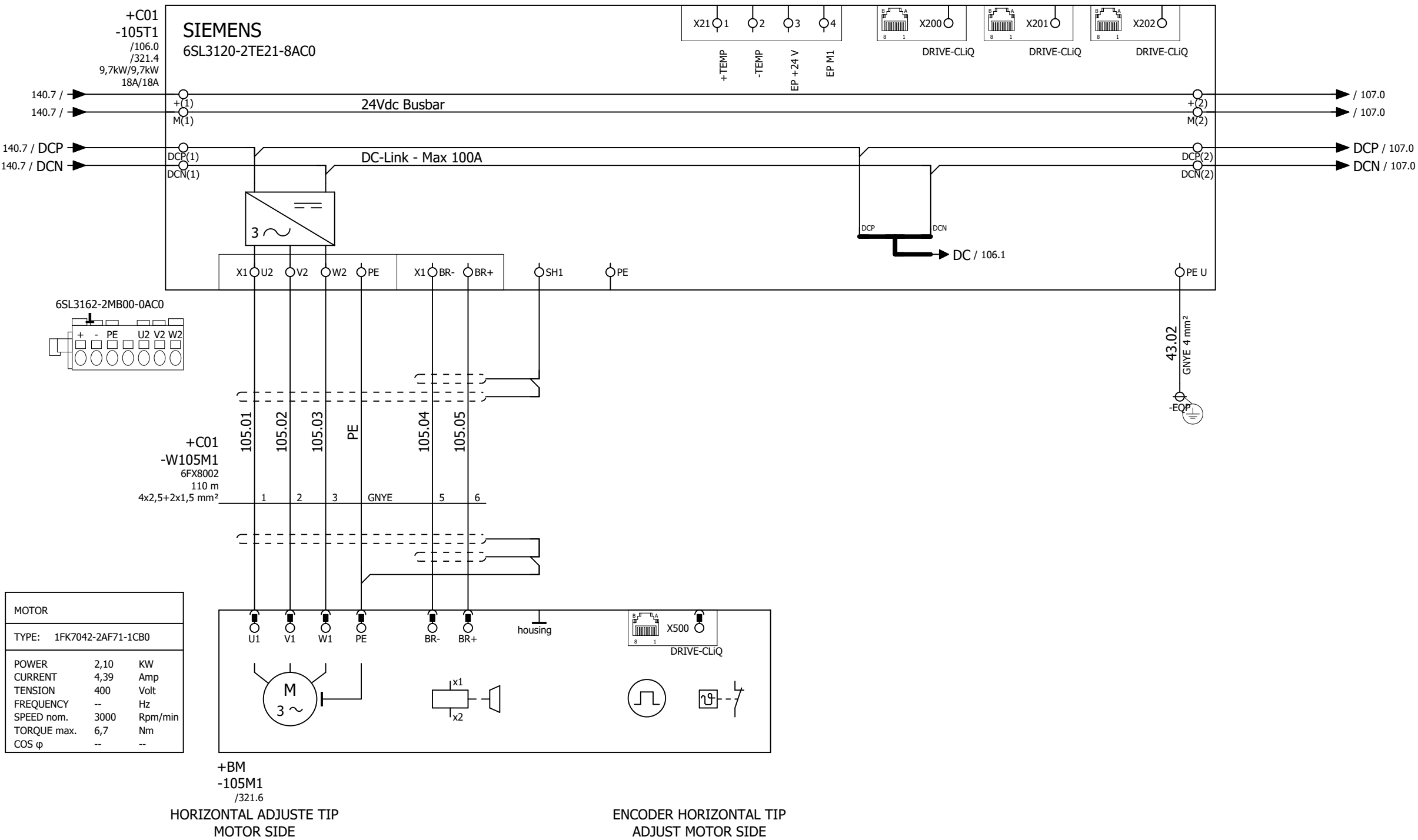
CONTROL UNIT 3

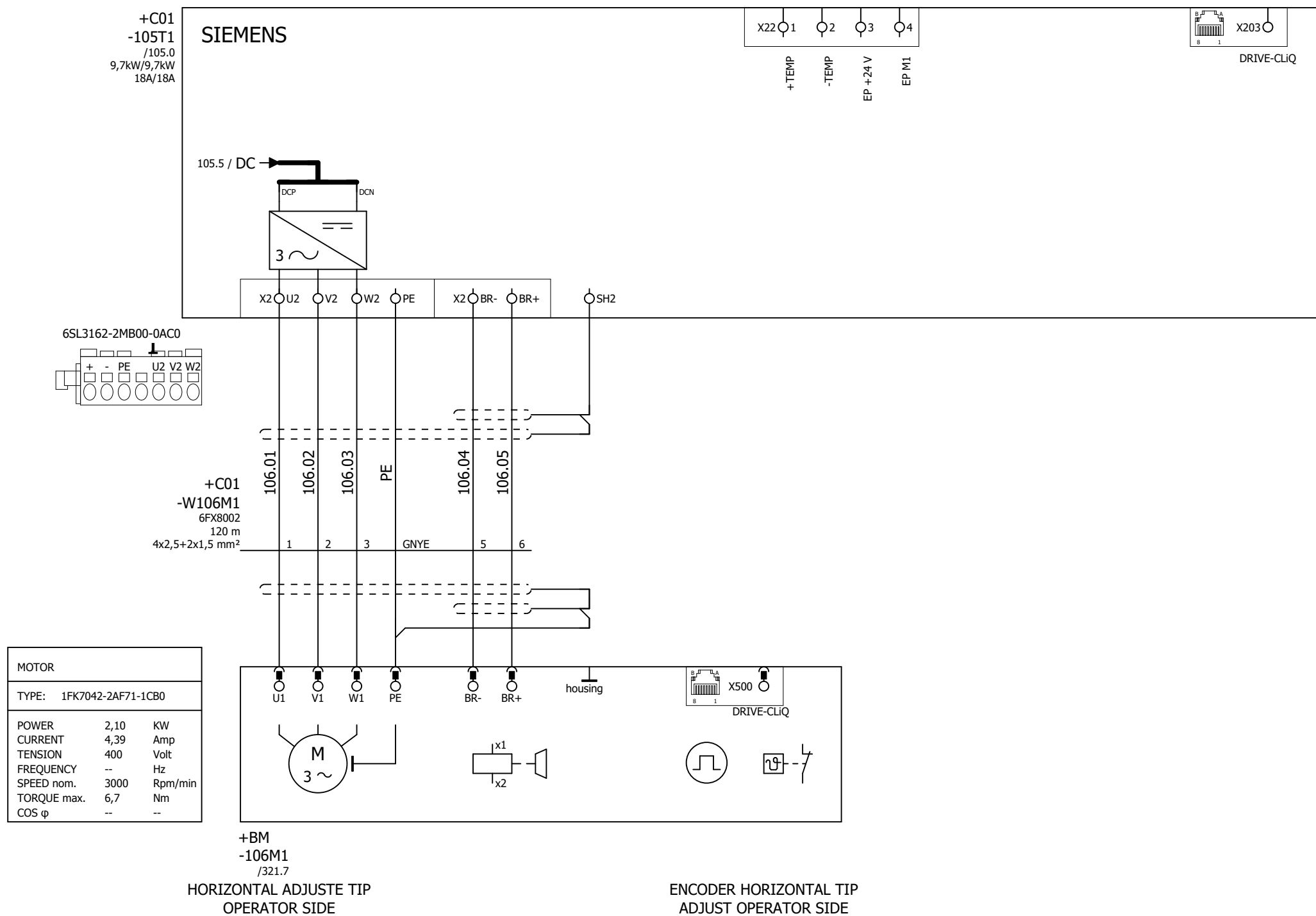




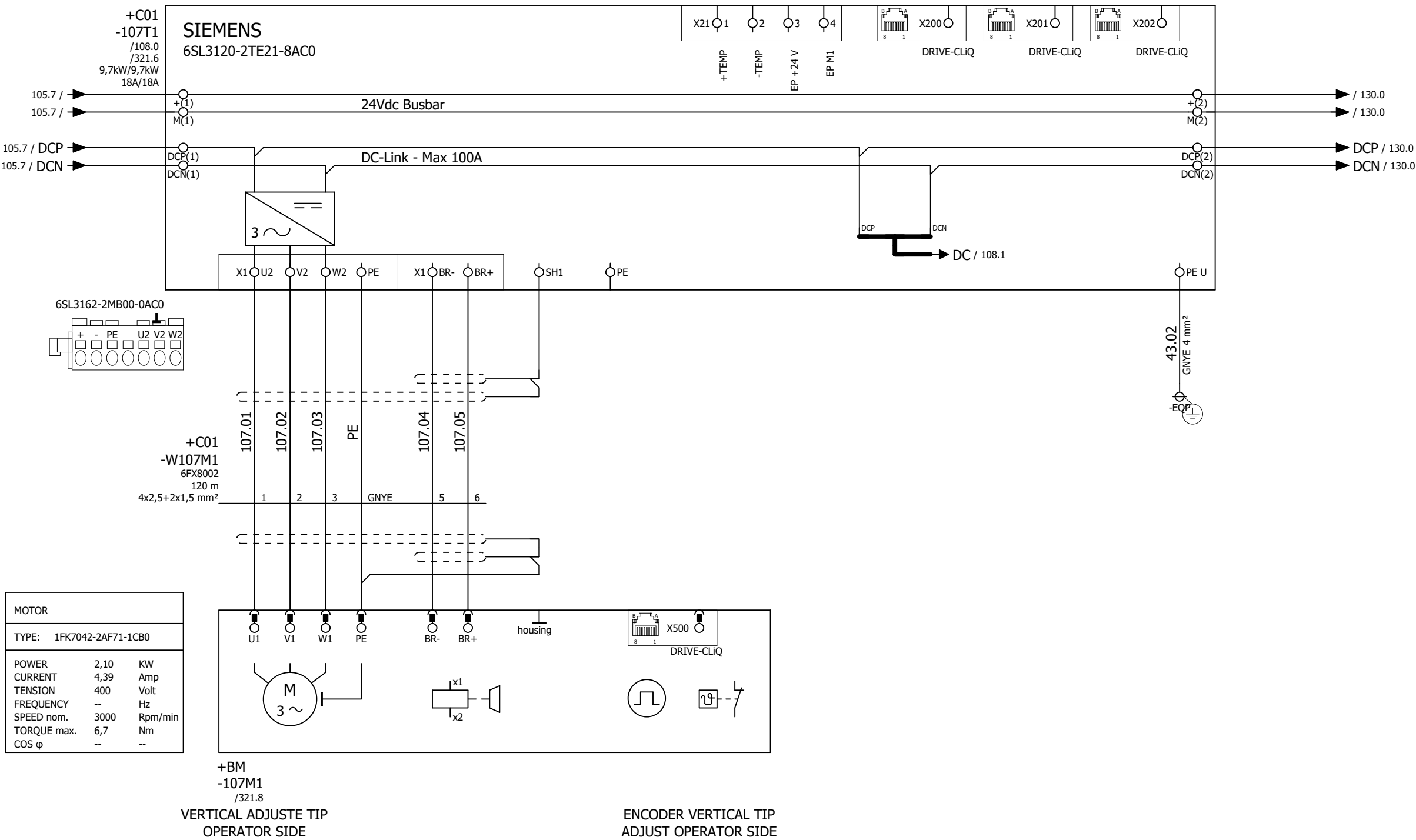


Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1





Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



MOTOR		
TYPE: 1FK7042-2AF71-1CB0		
POWER	2,10	KW
CURRENT	4,39	Amp
TENSION	400	Volt
FREQUENCY	--	Hz
SPEED nom.	3000	Rpm/min
TORQUE max.	6,7	Nm
COS φ	--	--

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Motor vertical tip adjust operator side

+ C01 60-04-76A

r43.51

00-2400000

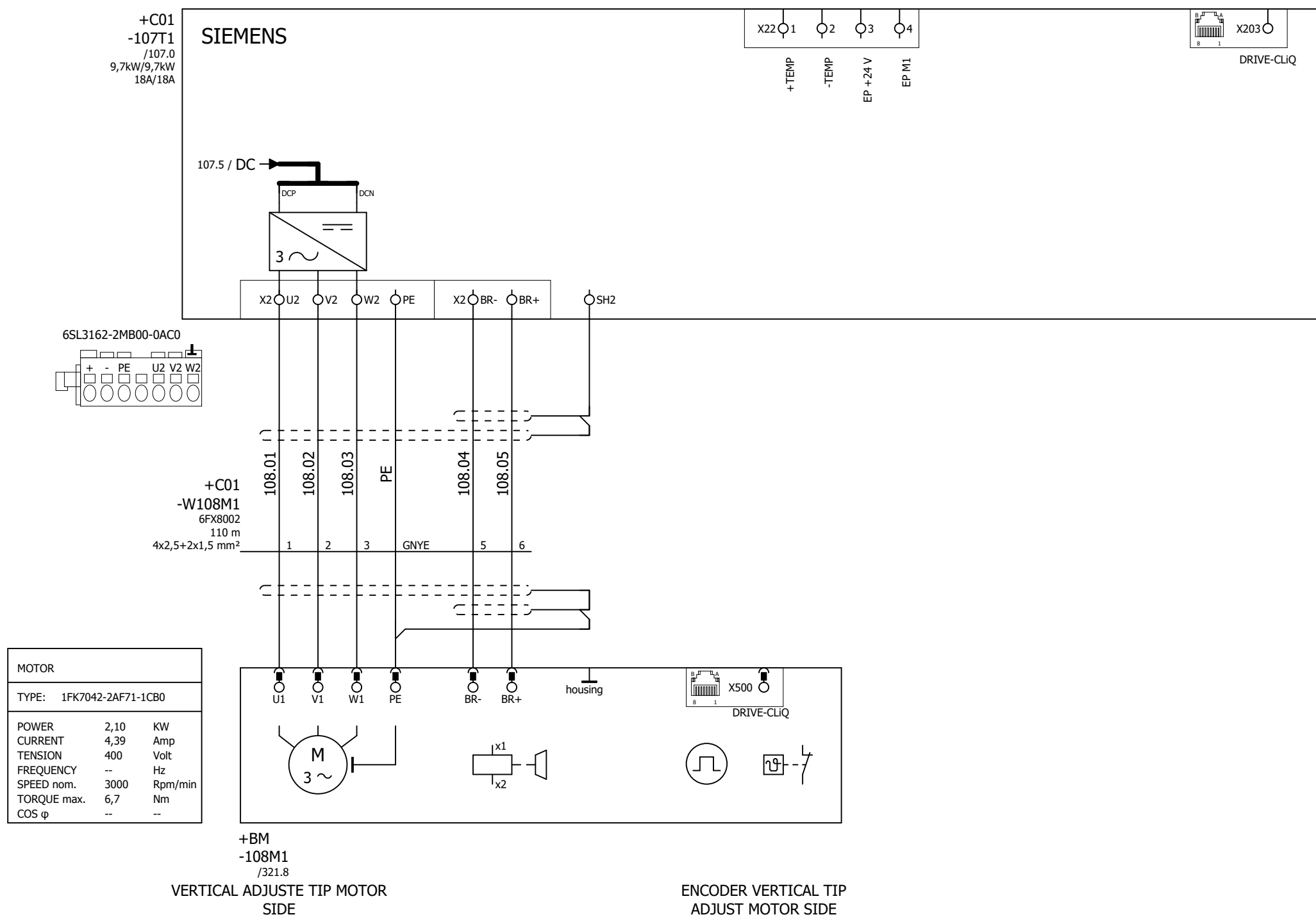
106


←

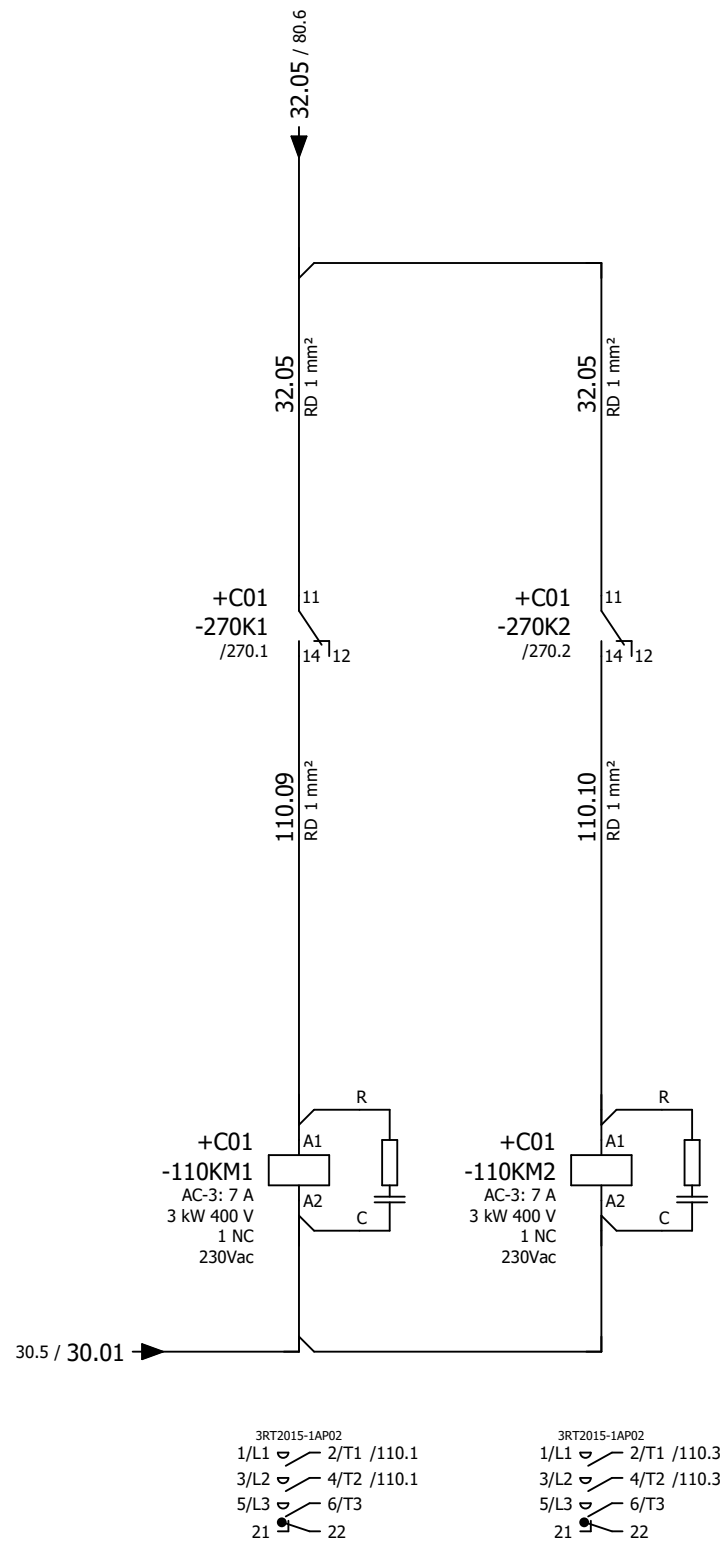
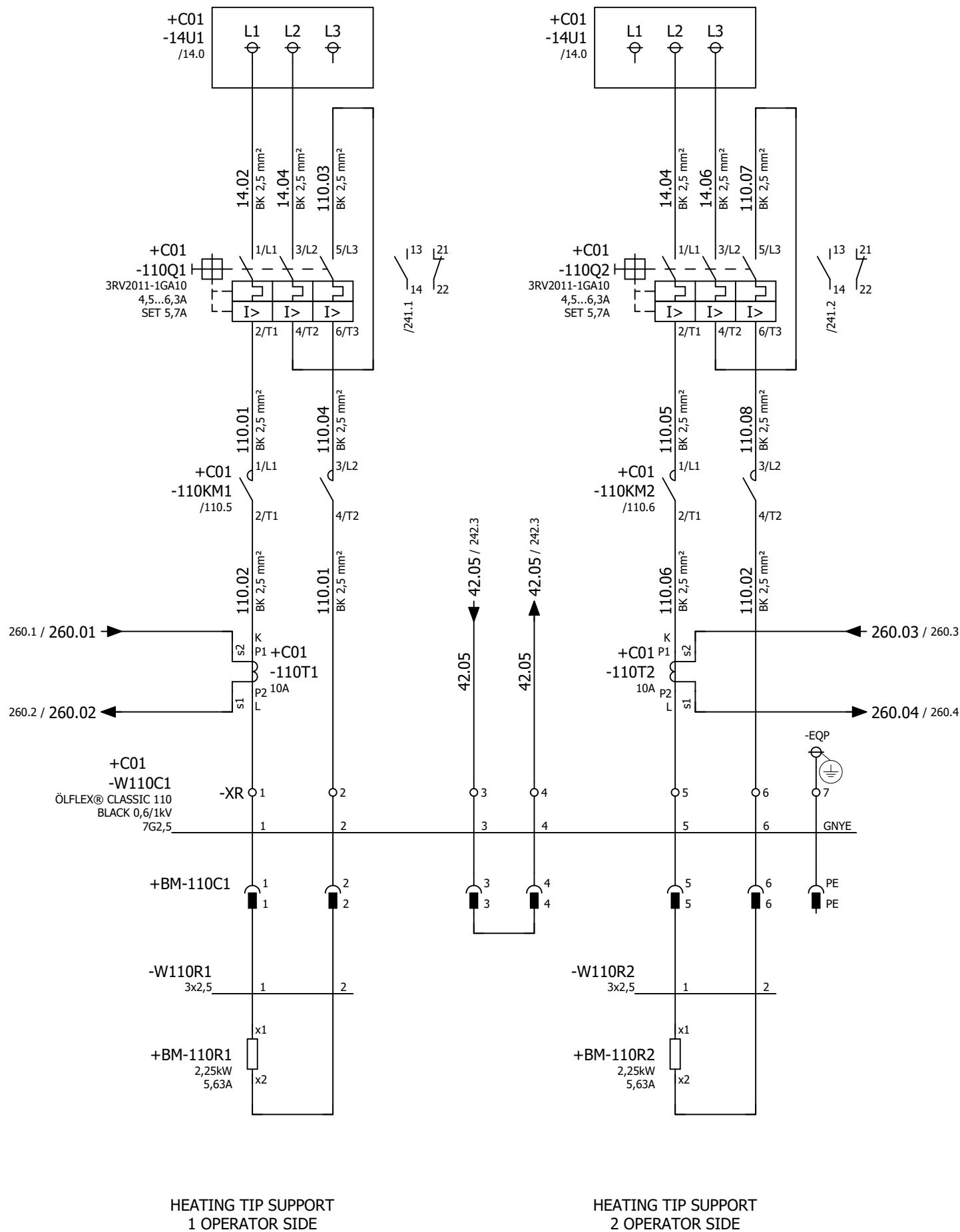
107

→

108



Date	13/06/2025		 <i>BRUNO PREZEZZI s.p.a.</i> <i>20040 BURAGO DI MOLGORA</i> <i>Via per Ornago, 8 (MI) ITALY</i>	CONTINUOUS CASTER	Motor vertical tip adjust motor side	+ C01 60-04-76A		107	←		
Ed.	UTE									108	
Rev	08/08/2025	08/08/2025									
Rev	1	=> 1								r43.51	00-2400000



Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1

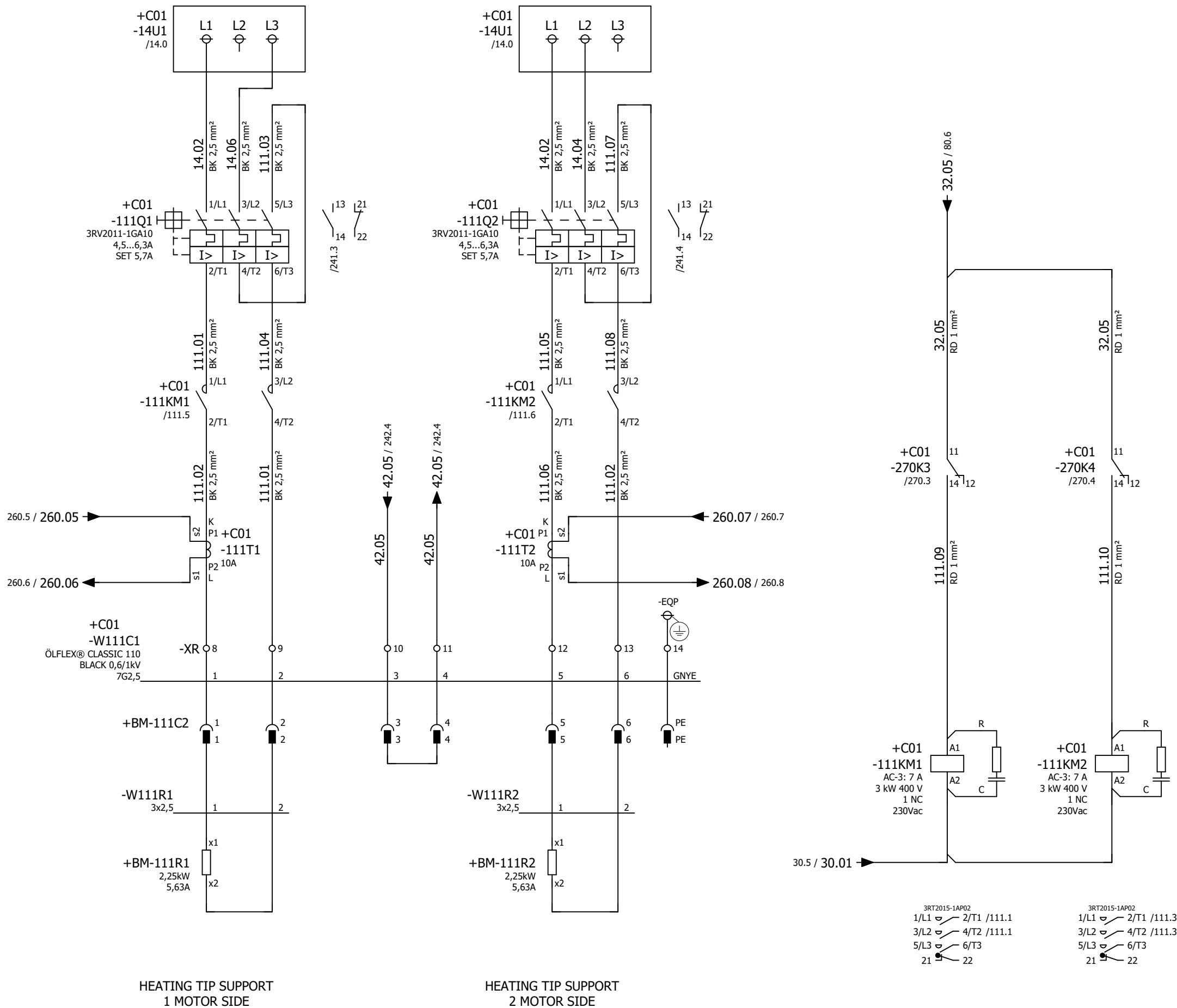


BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Tip operator side heating resistances

+ C01	60-04-76A	108
r43.51	00-2400000	110
		111



Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1

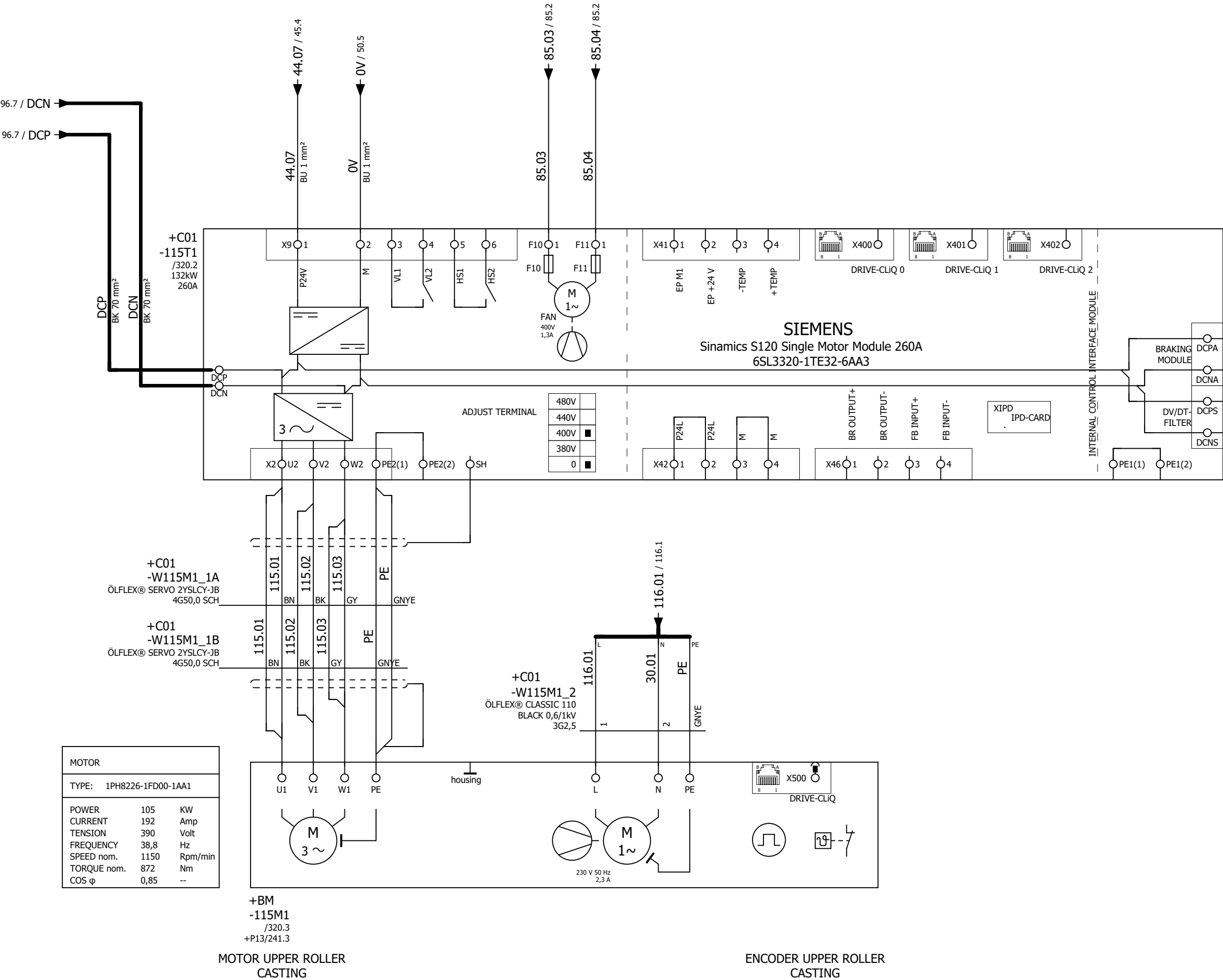


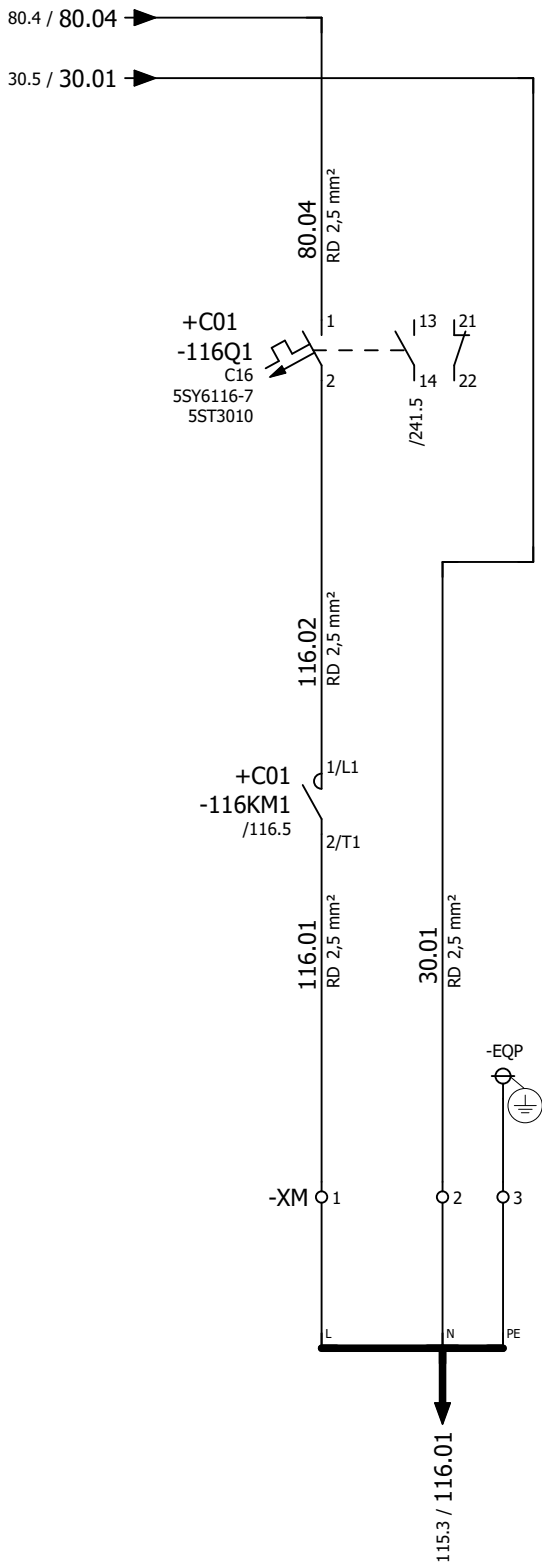
BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

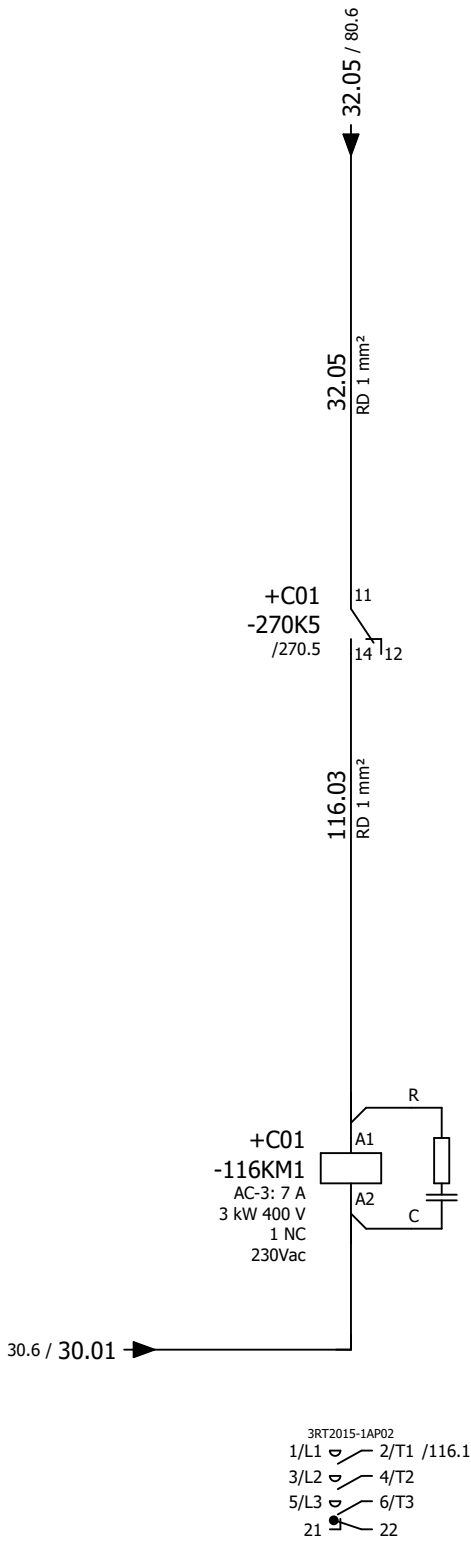
Tip motor side heating resistances

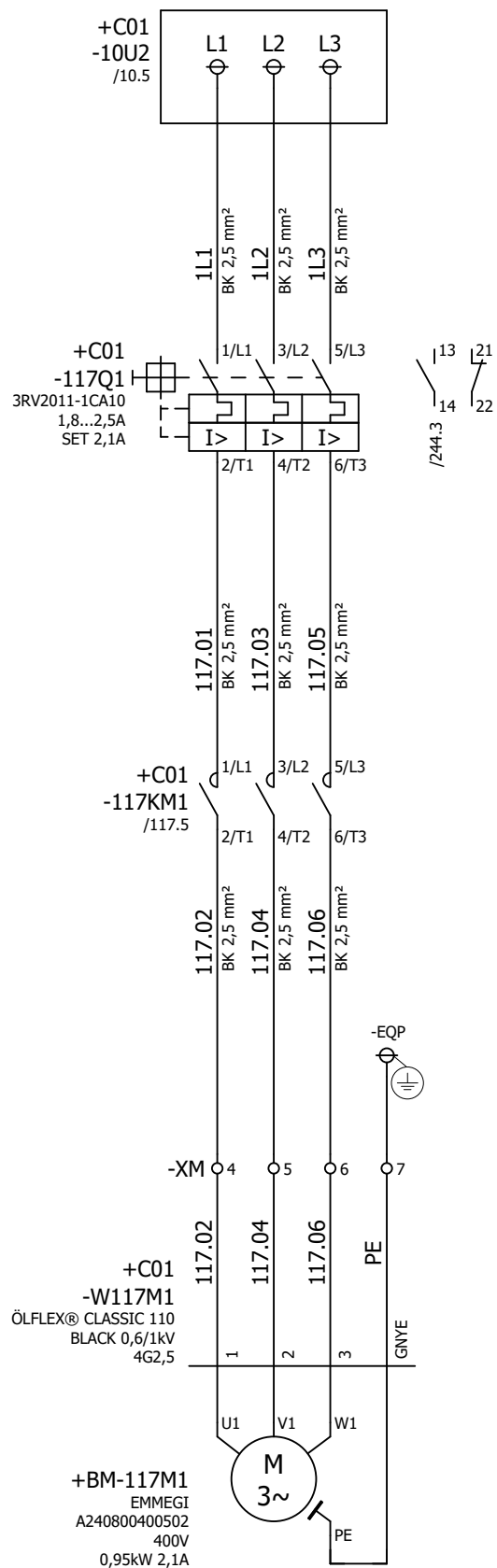
+ C01	60-04-76A	110	←
r43.51	00-2400000	111	→
		115	→



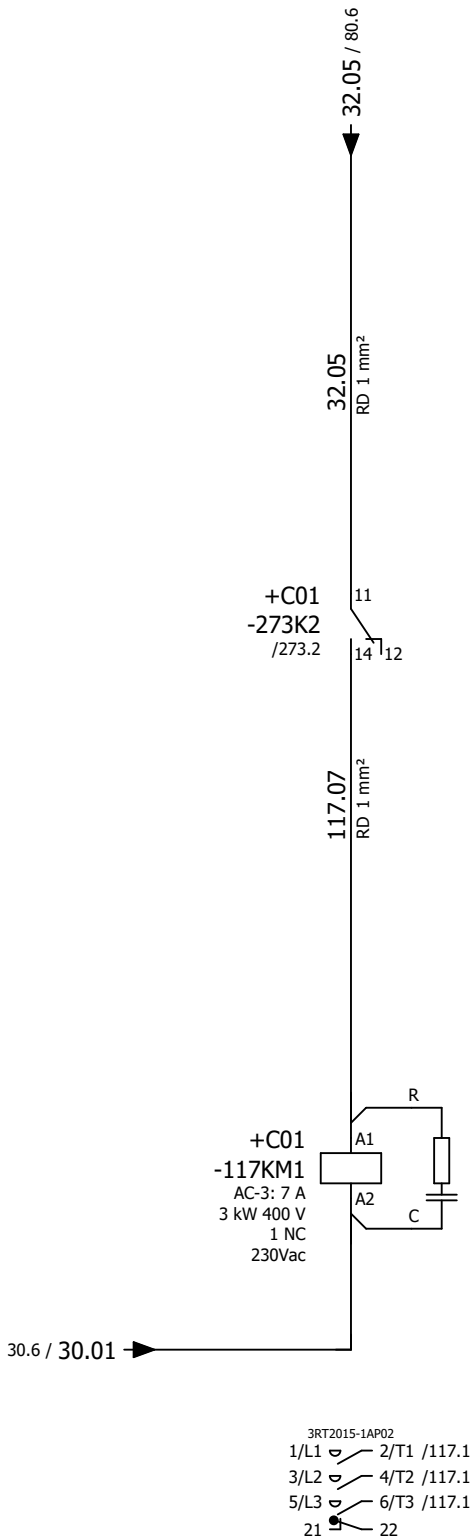


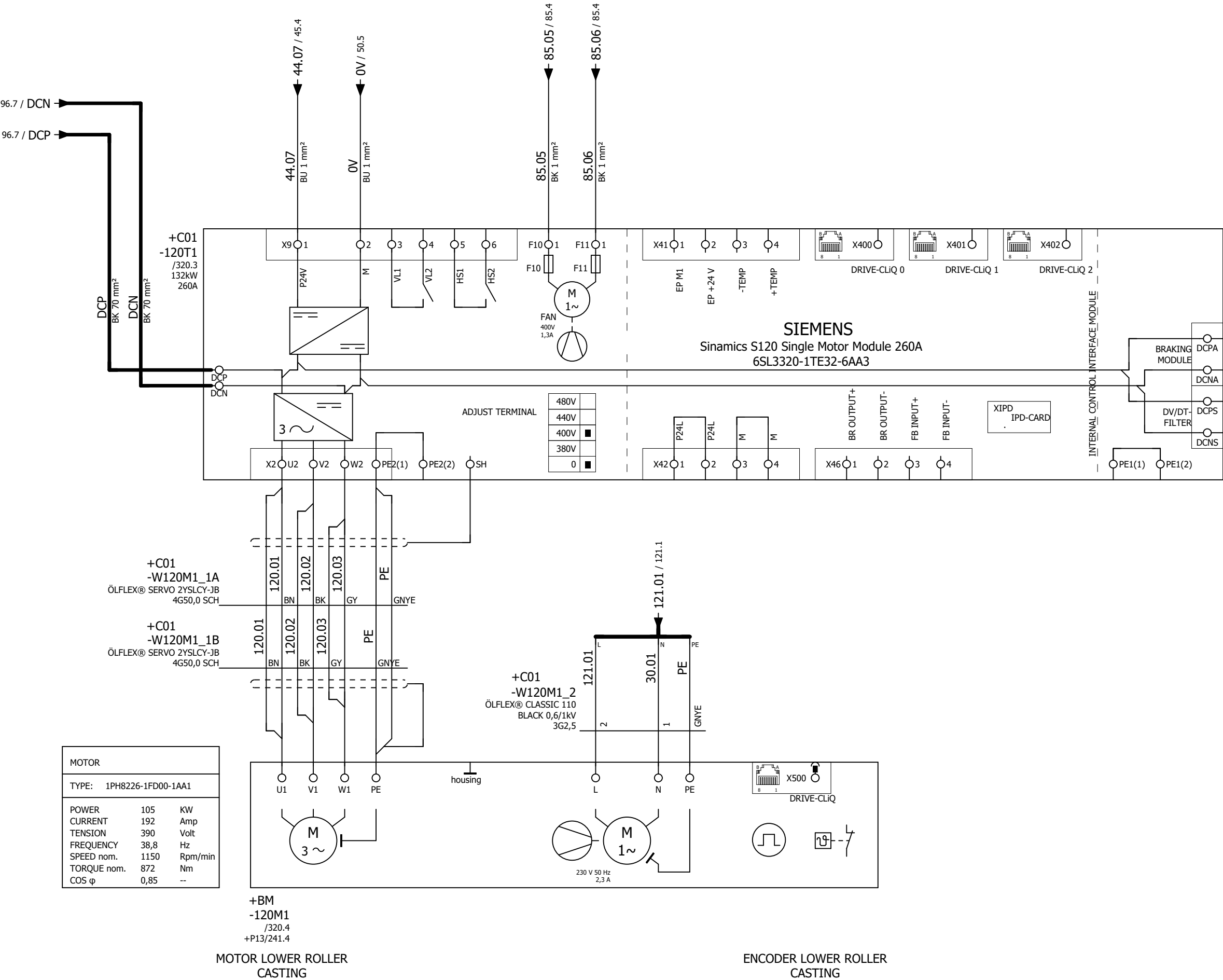
FAN MOTOR UPPER ROLLER
CASTING

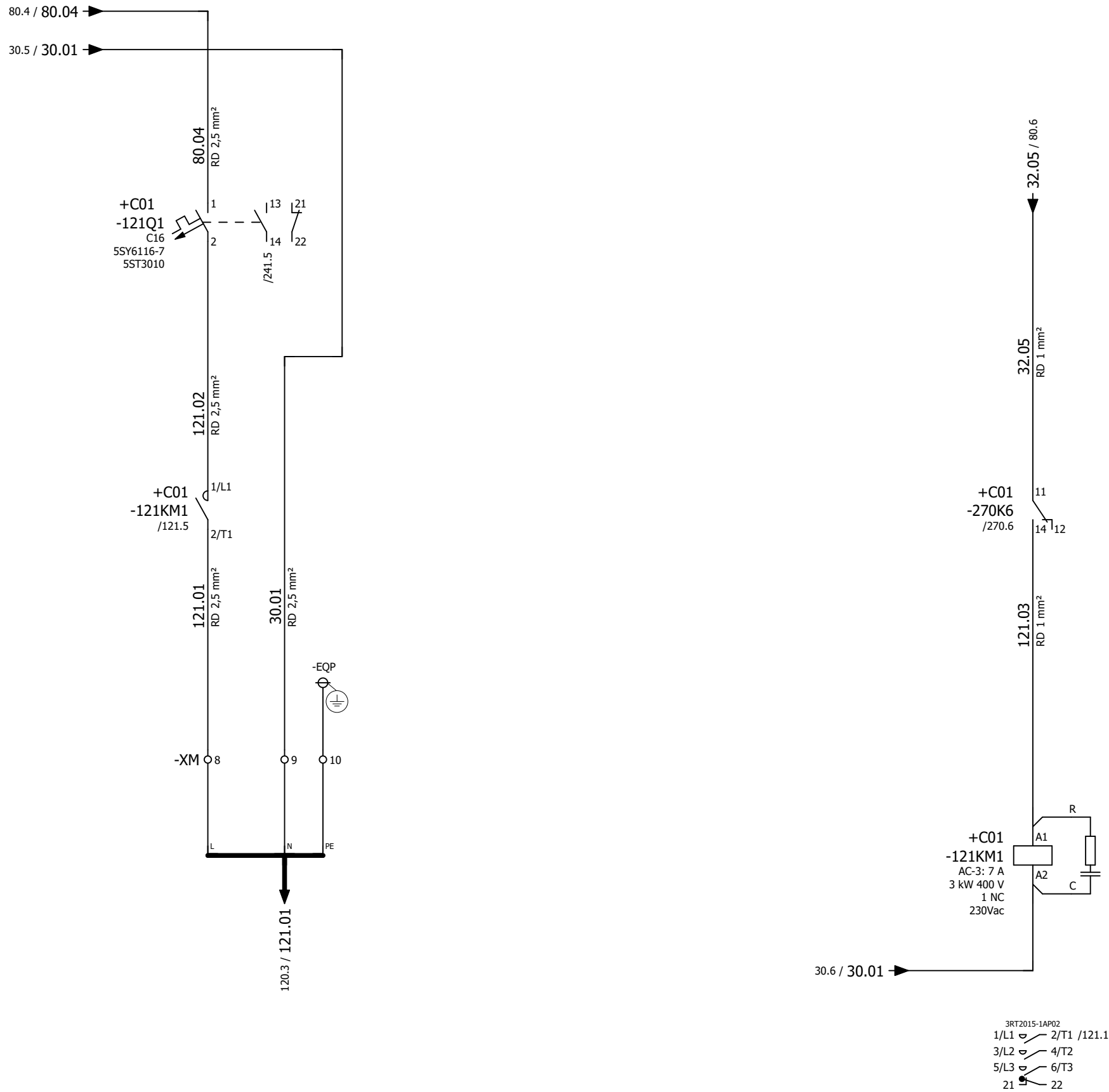




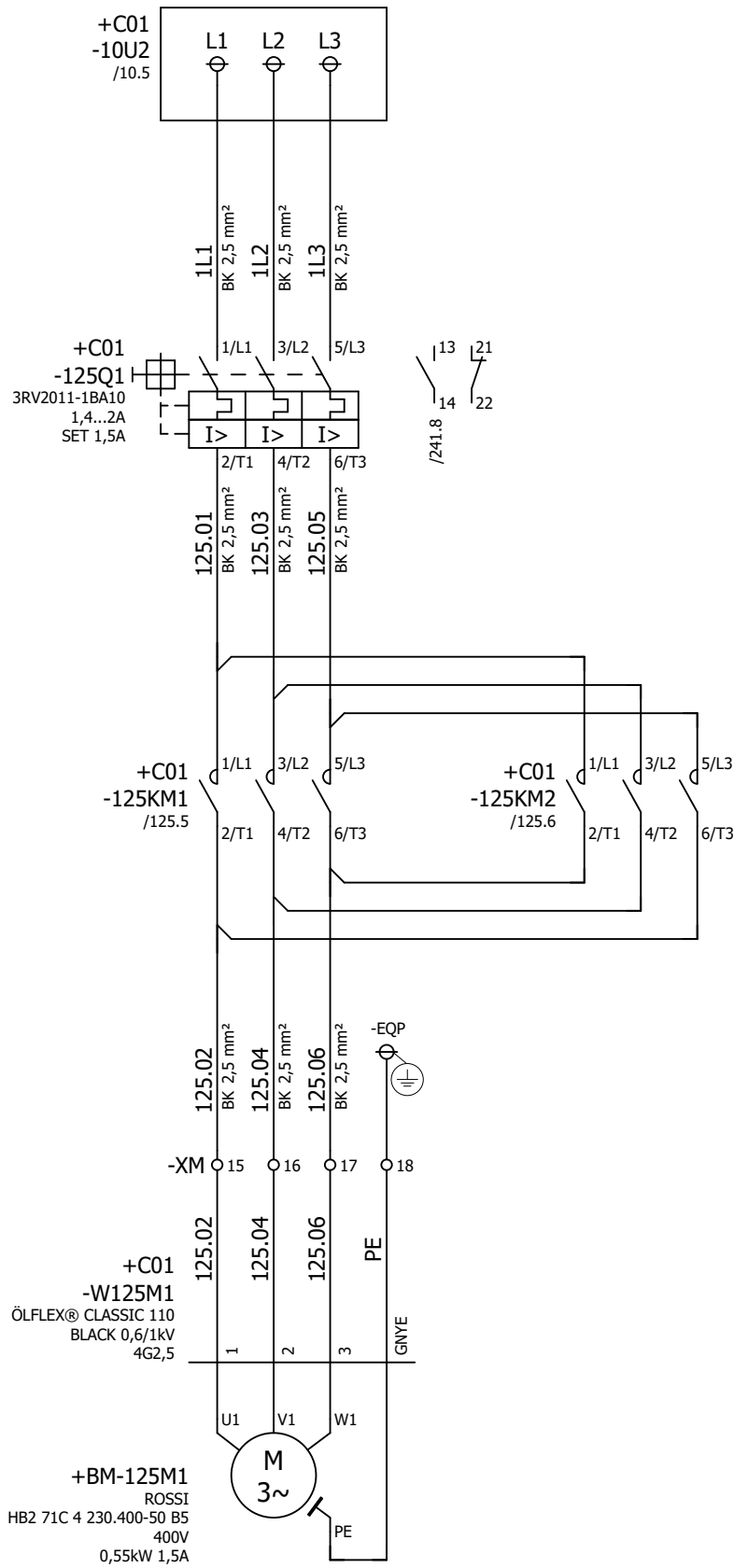
PUMP UPPER CASTING ROLLER
GEARBOX LUBRICATION



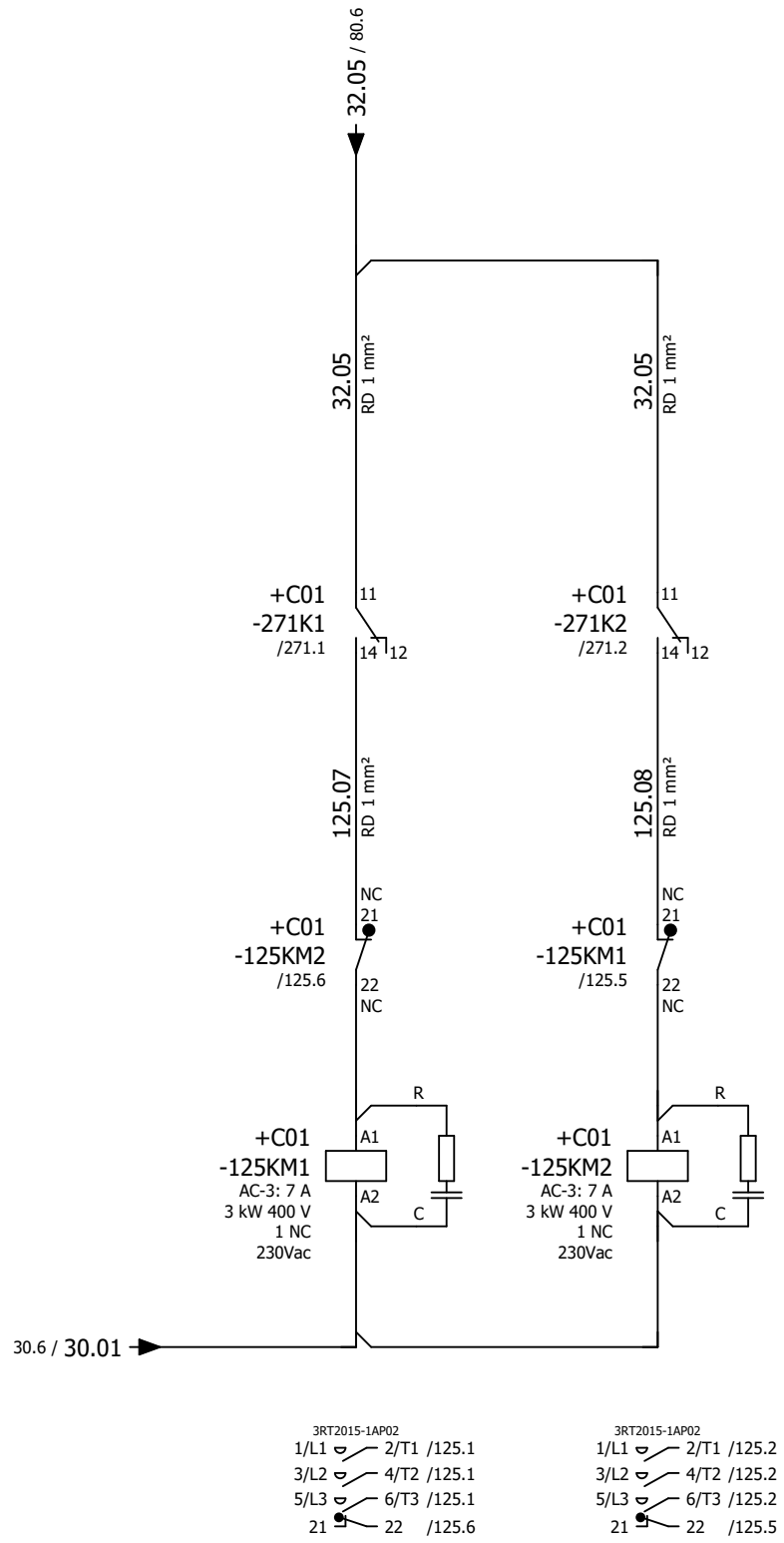




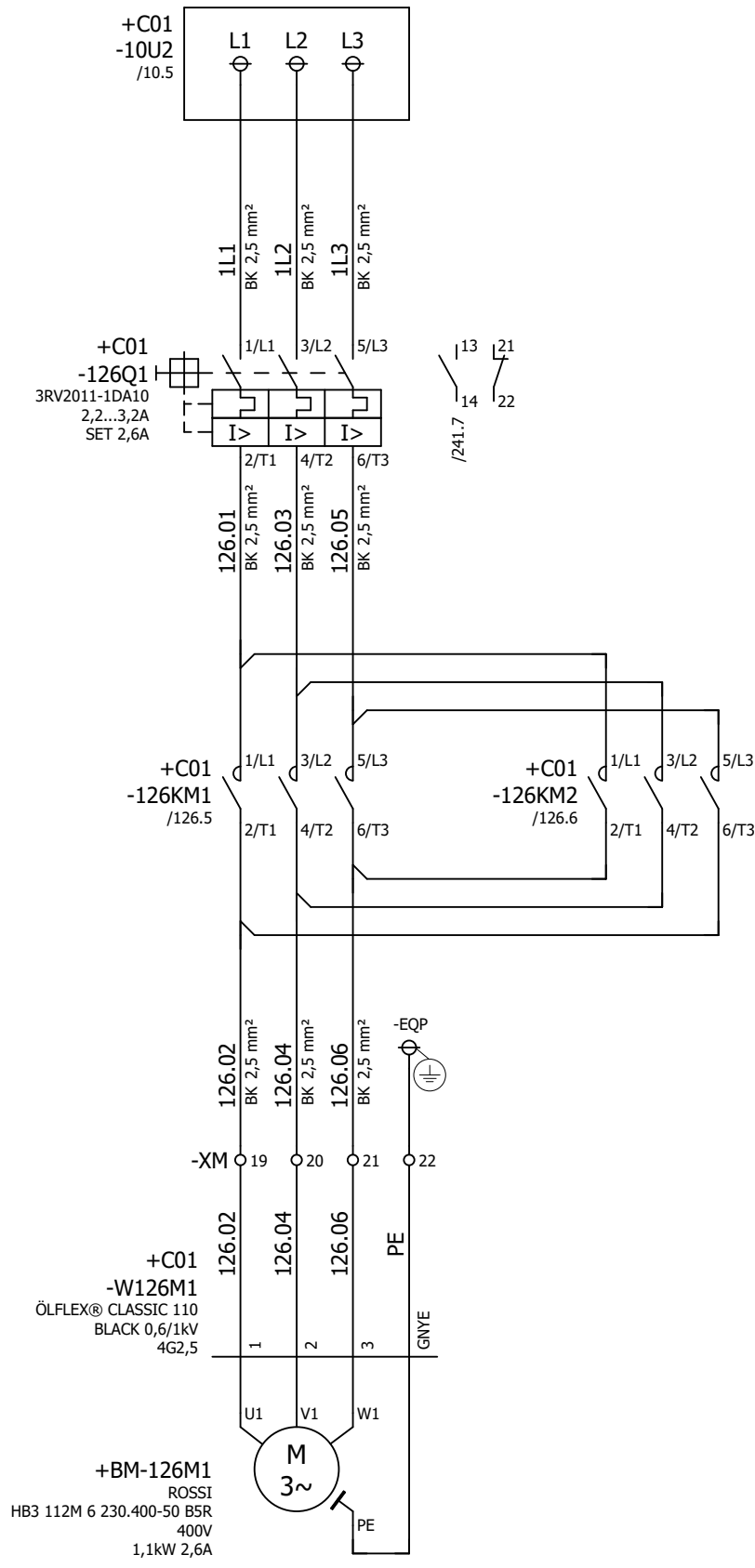
FAN MOTOR LOWER ROLLER
CASTING



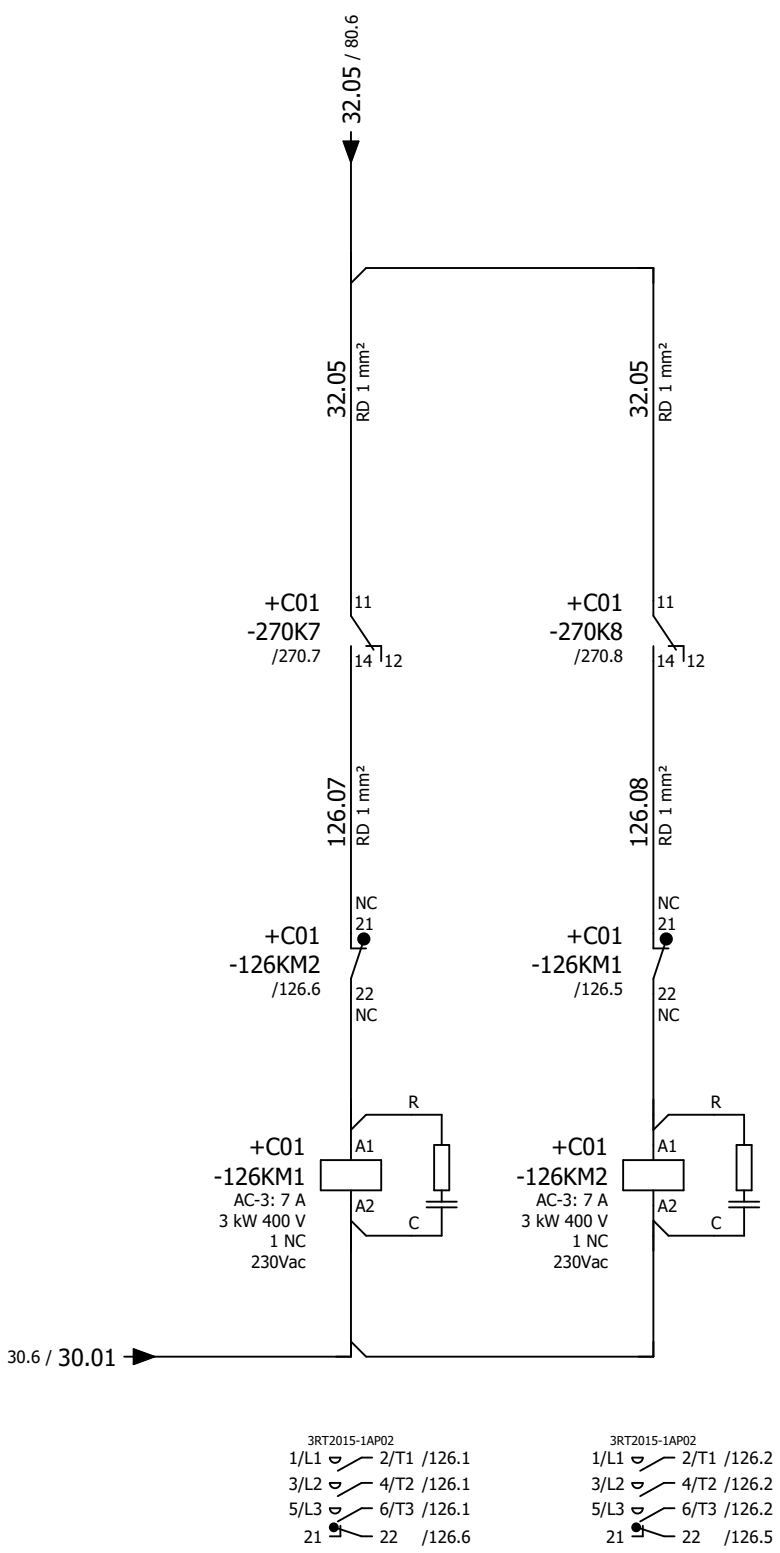
STRAPPING MOTOR



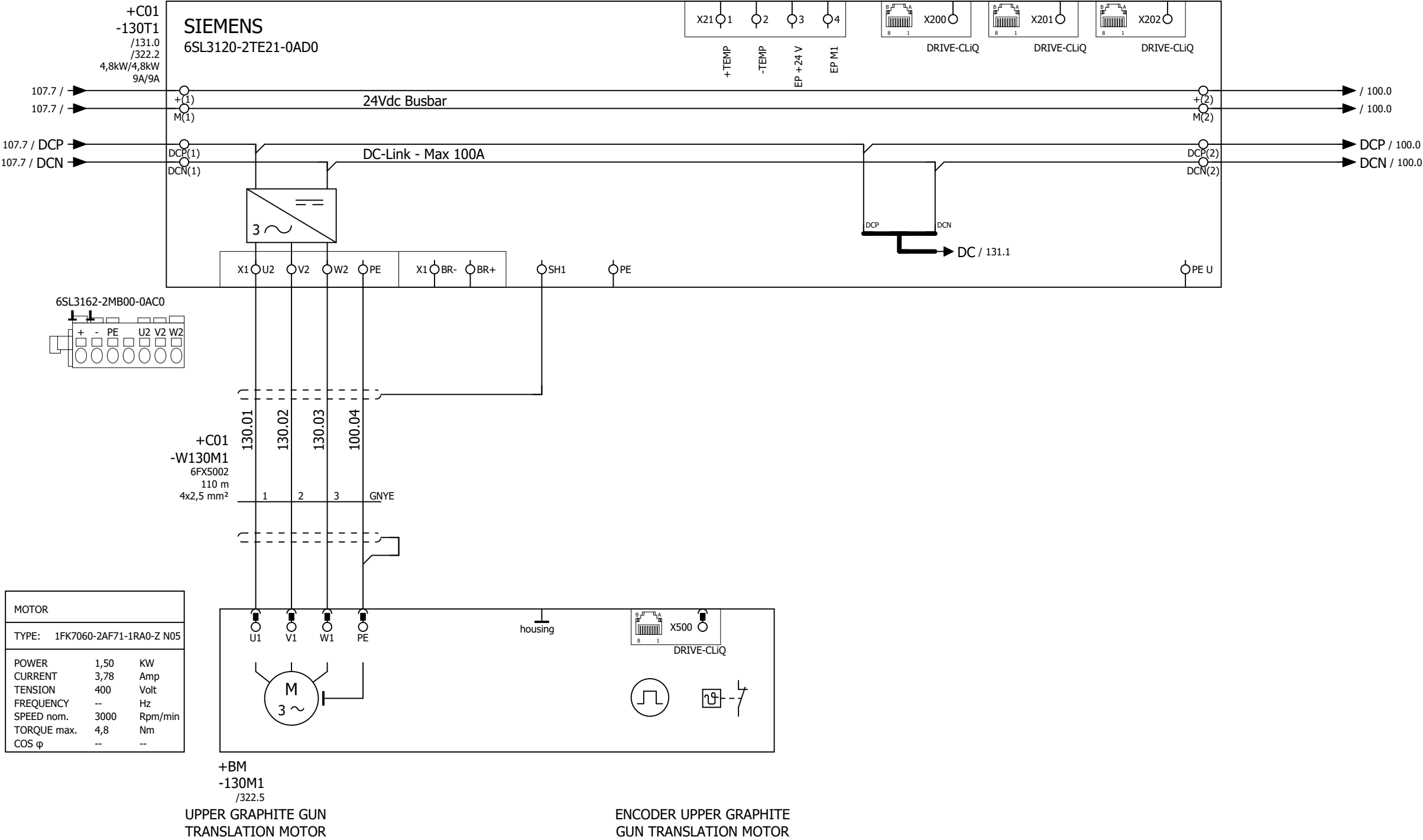
MOTOR ARROW SUPPORT RISE
MOTOR ARROW SUPPORT LOWER

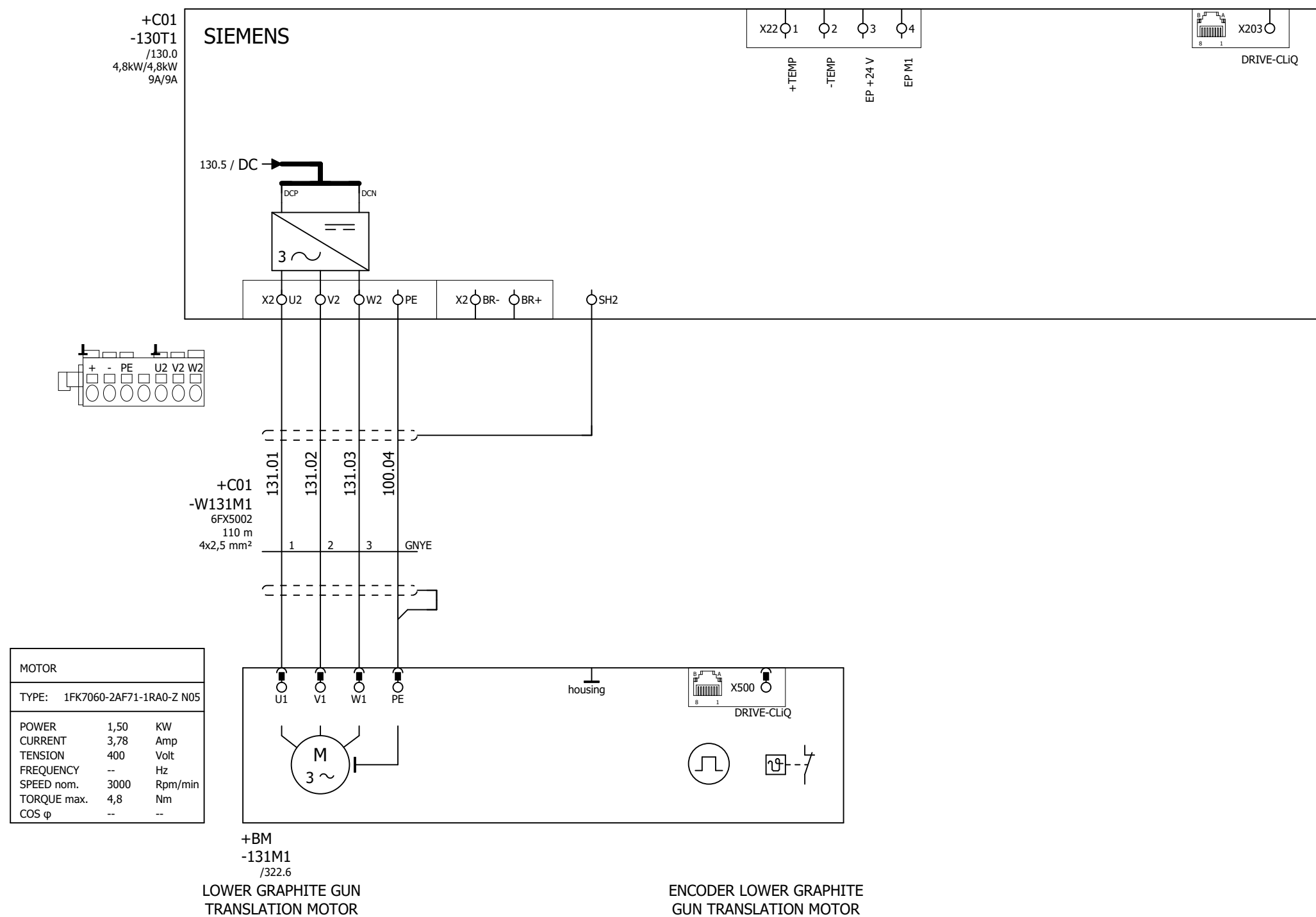


MOTOR EXTRACTION ROLLS

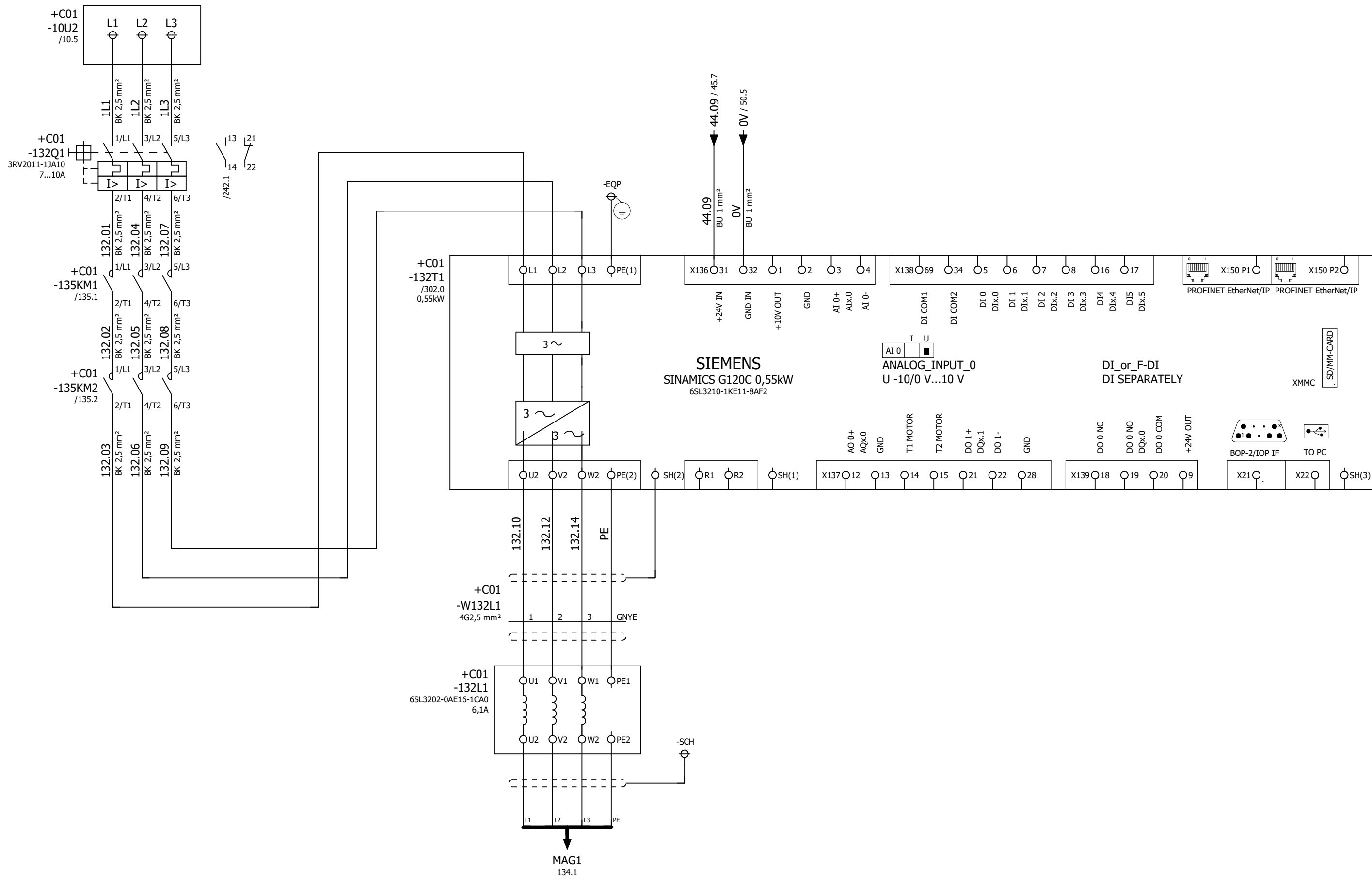


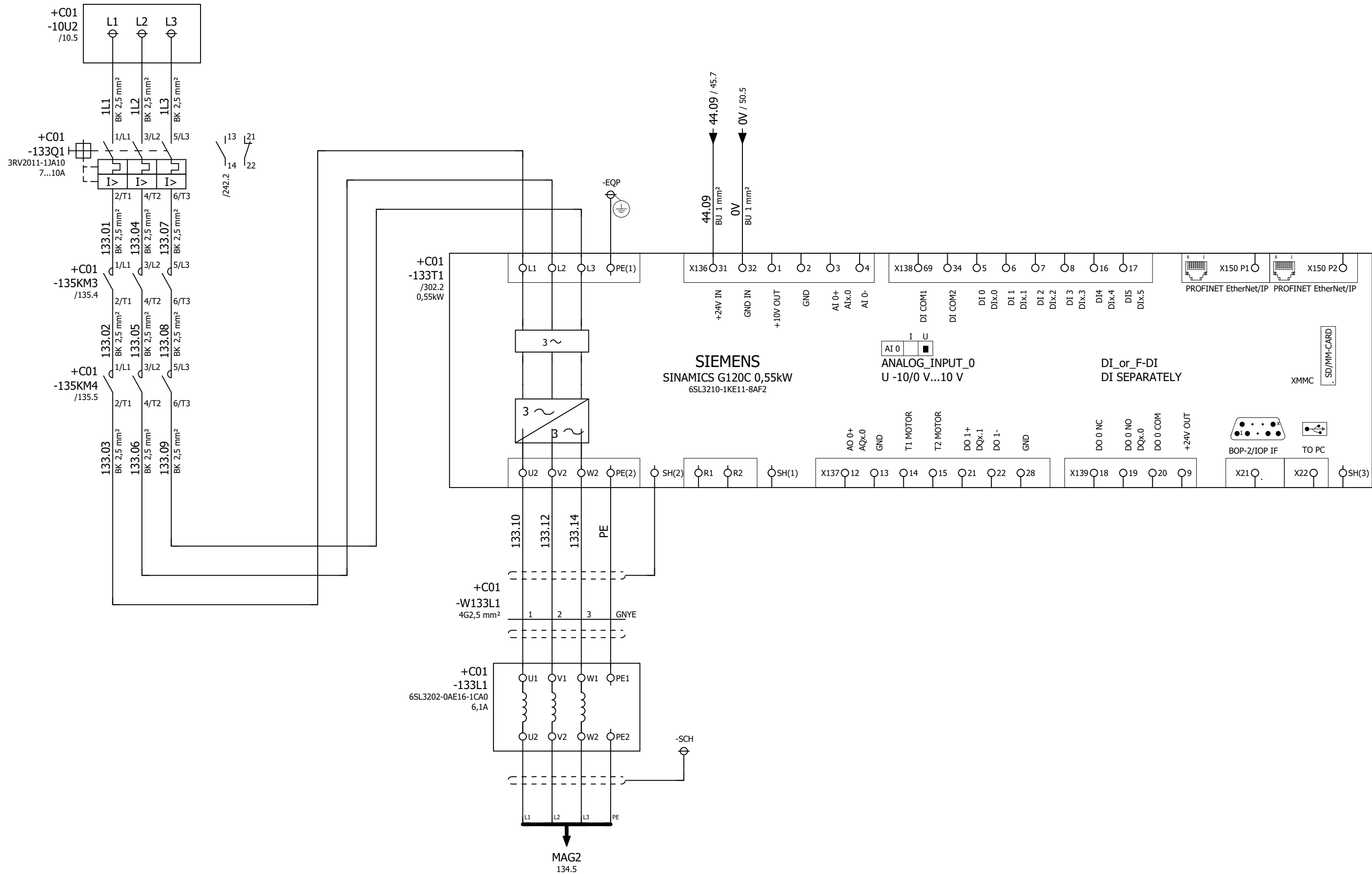
EXTRACTION ROLLS MOTOREXTRACTION ROLLS MOTOR
FORWARD BACKWARD



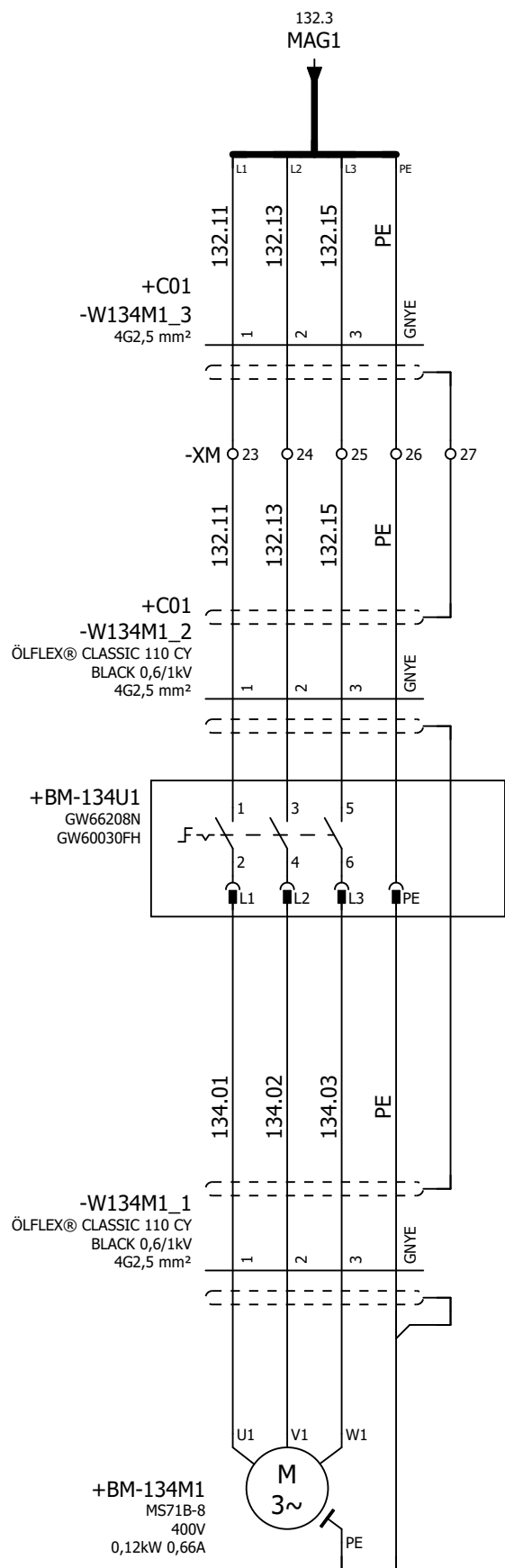


Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1

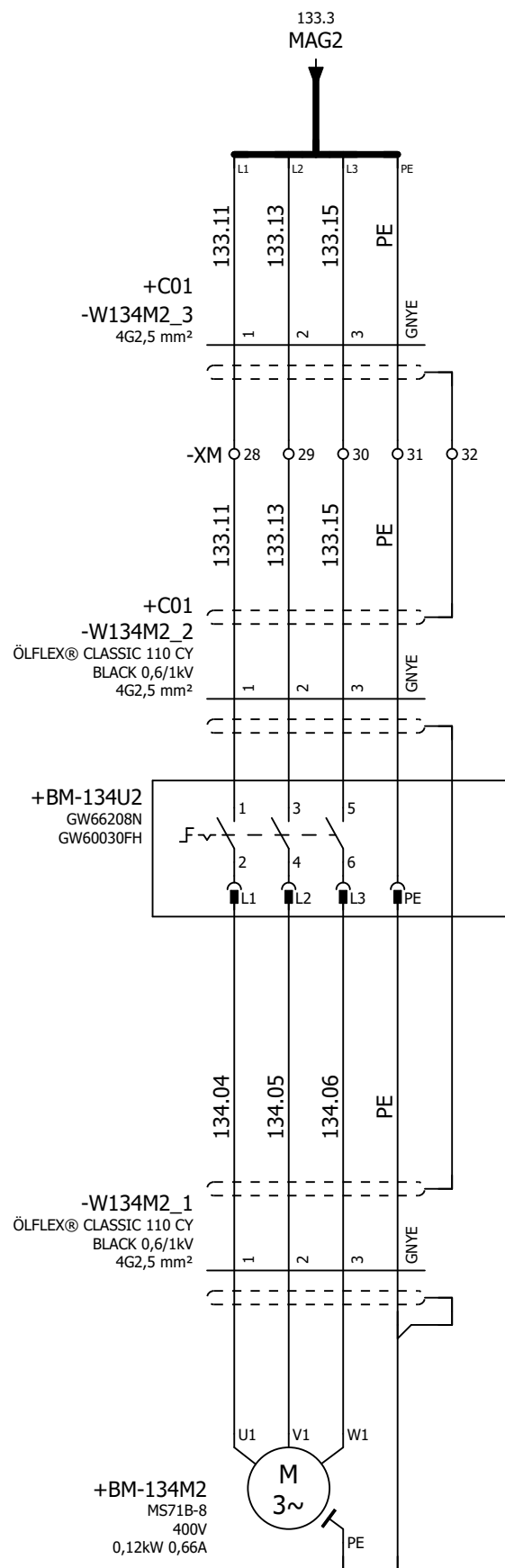




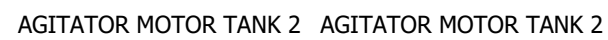
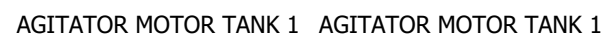
PREPARATION AGITATOR
GRAPHITE TANK 2

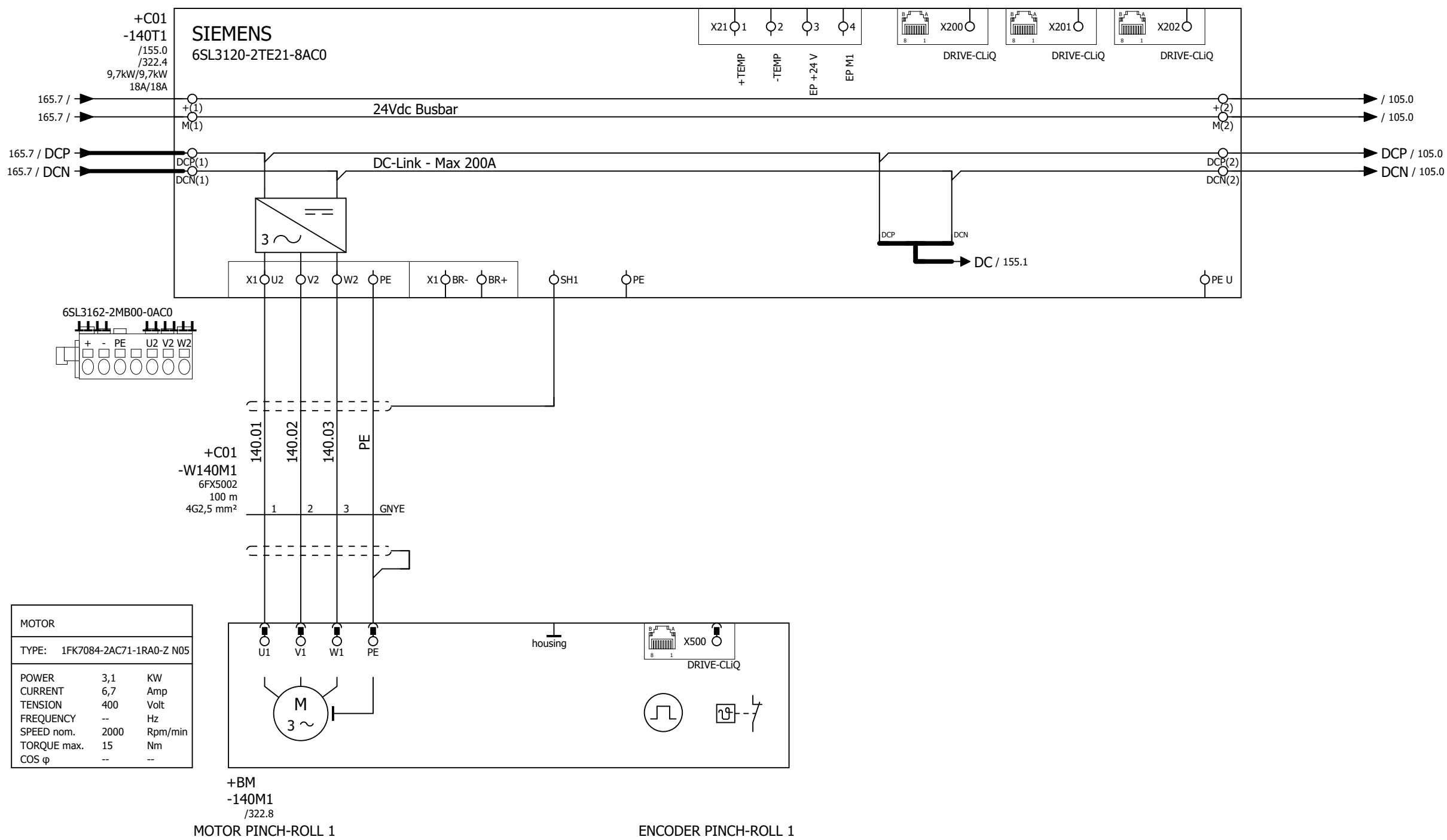


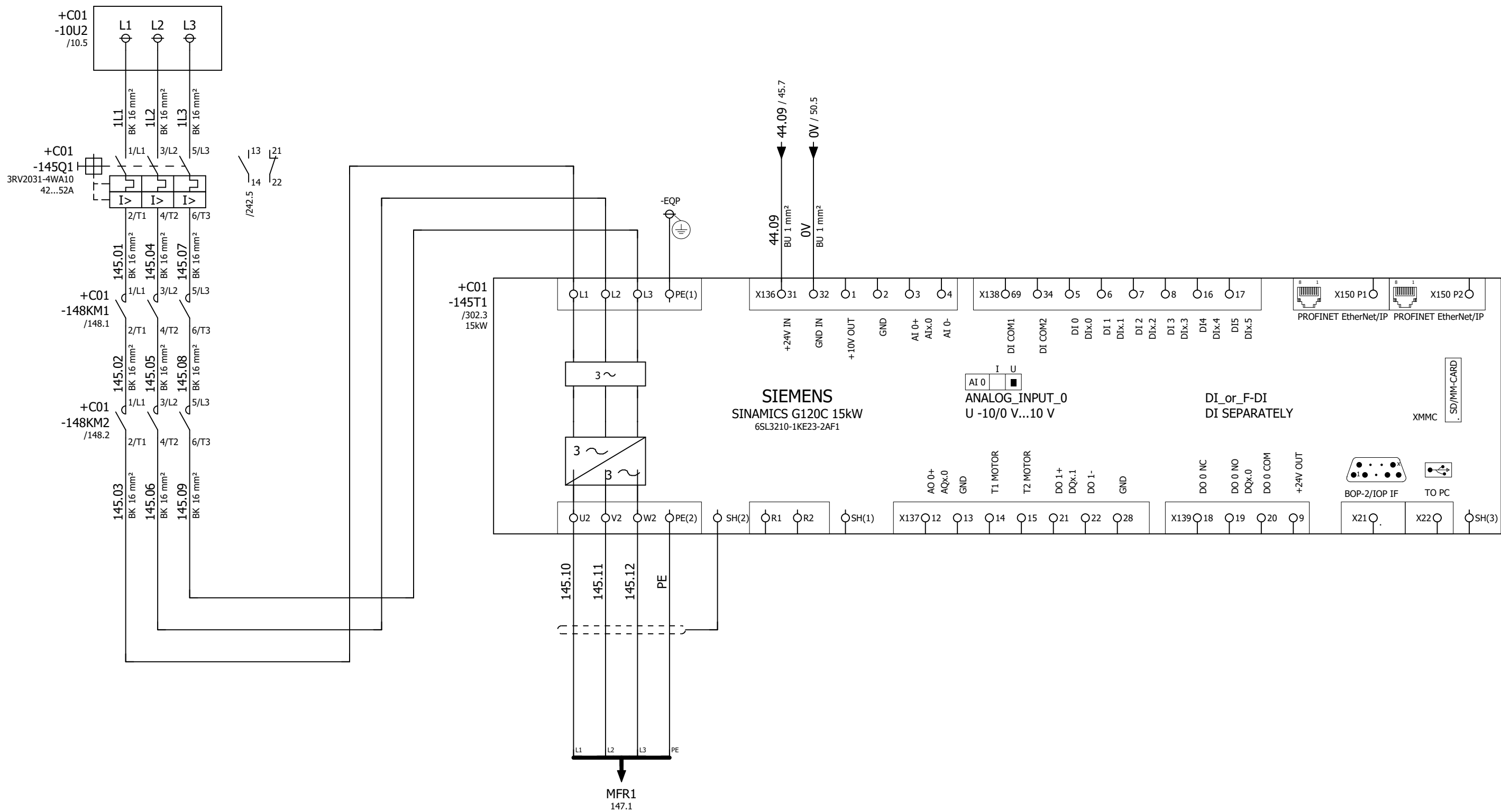
PREPARATION AGITATOR
GRAPHITE TANK 1



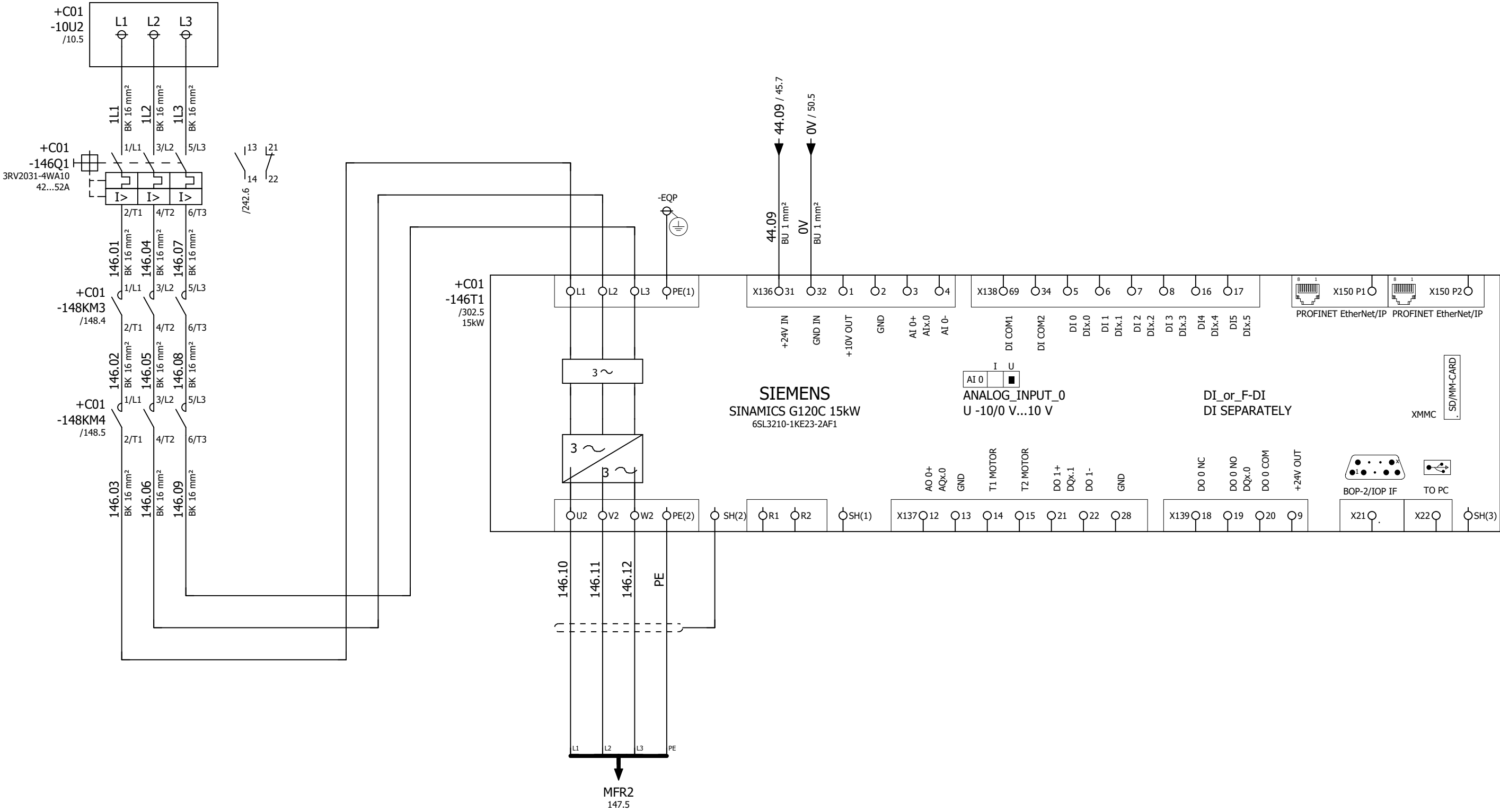
PREPARATION AGITATOR
GRAPHITE TANK 2



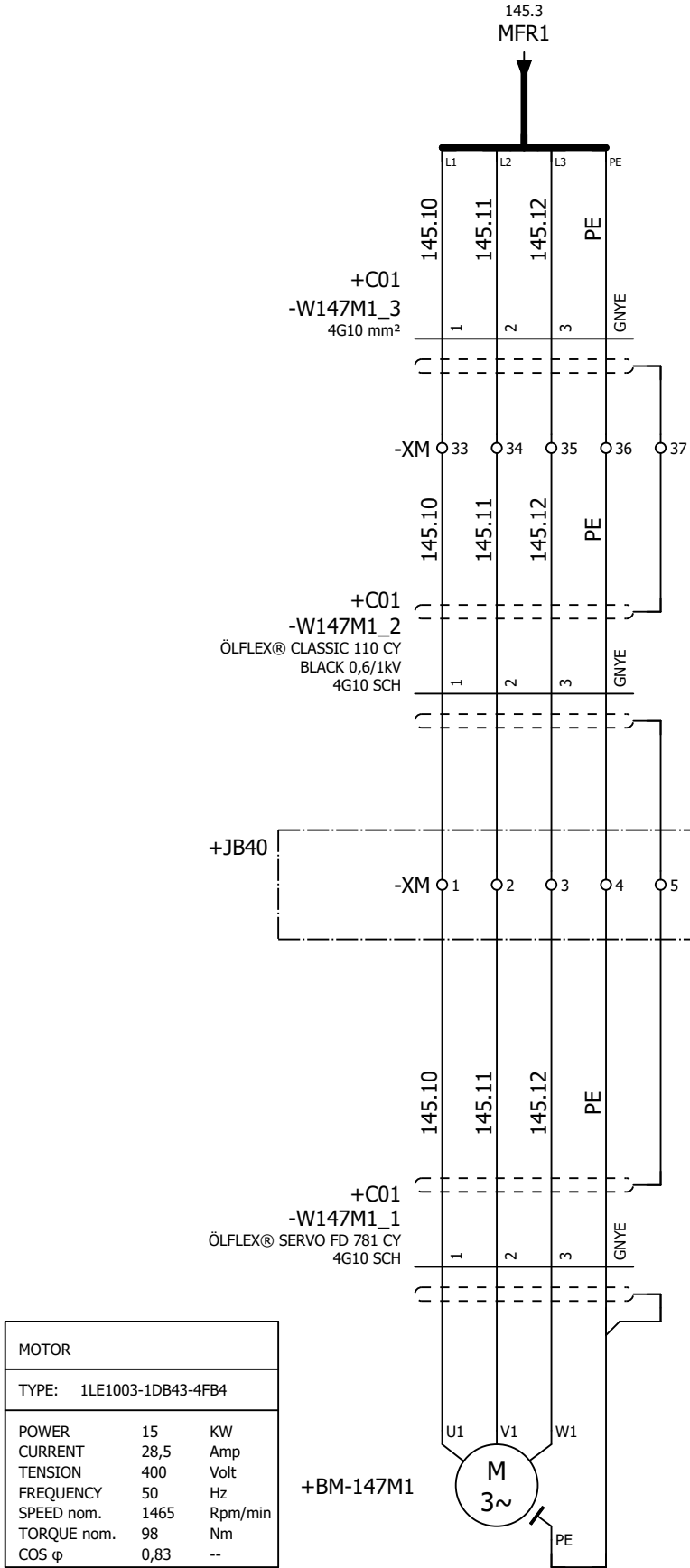




SPINDLE MILLING MOTOR
MACHINE SIDE

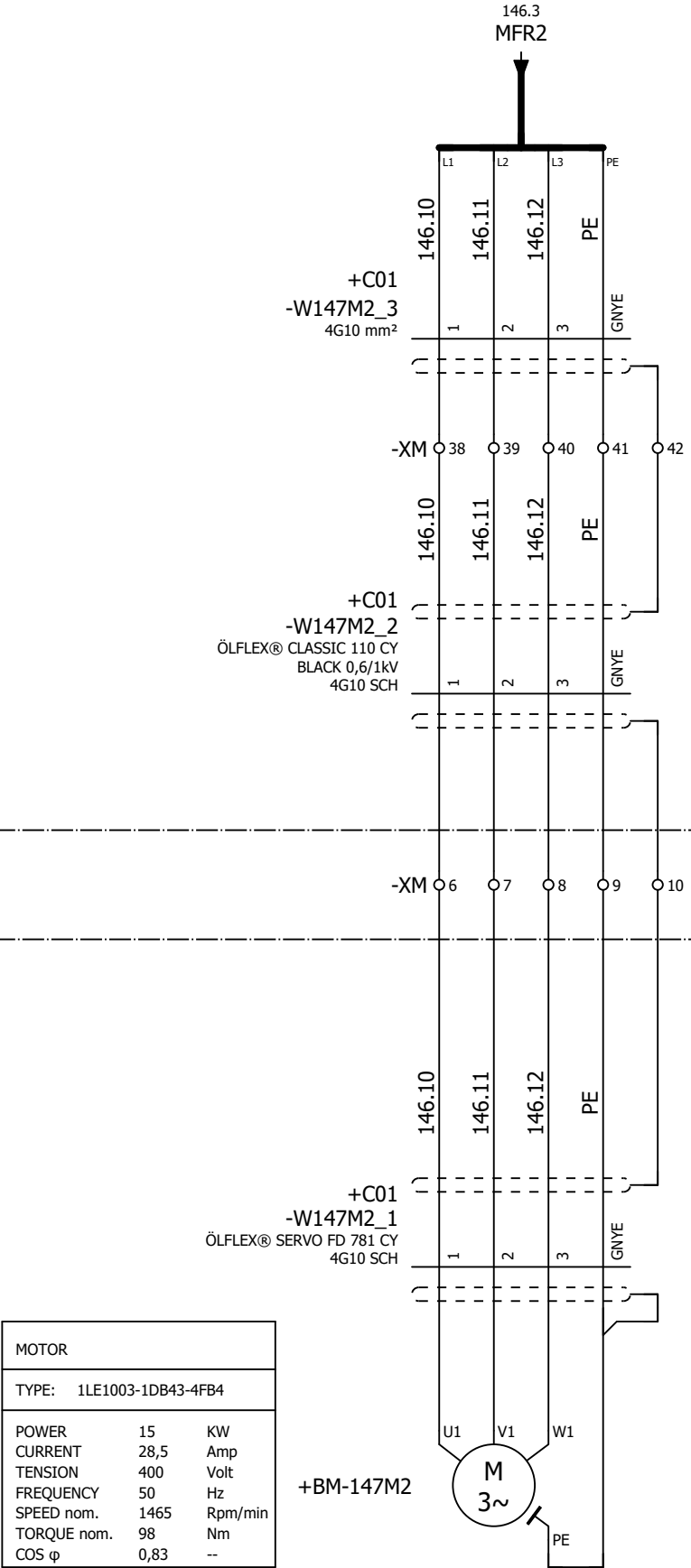


SPINDLE MILLING MOTOR
MACHINE SIDE



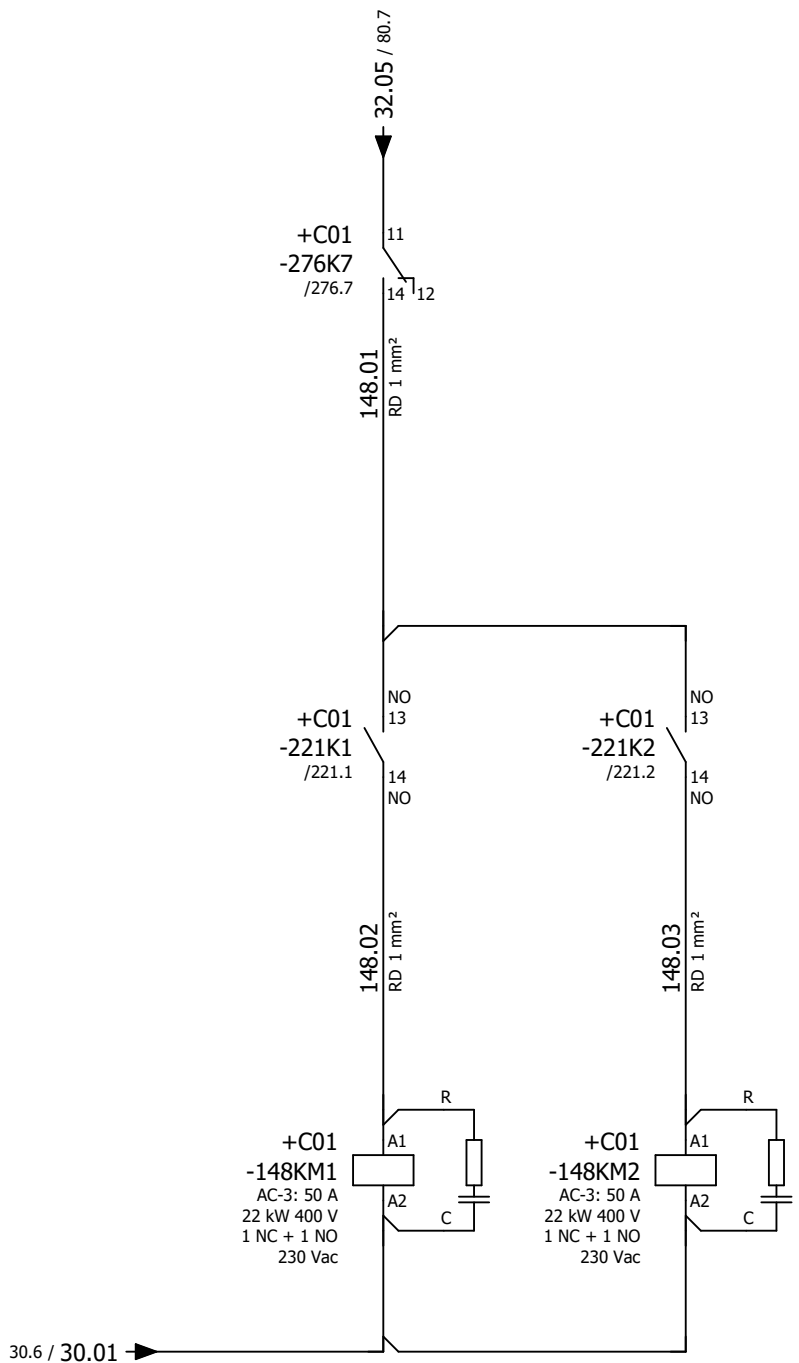
SPINDLE MILLING MOTOR
MACHINE SIDE

MOTOR		
TYPE: 1LE1003-1DB43-4FB4		
POWER	15	KW
CURRENT	28,5	Amp
TENSION	400	Volt
FREQUENCY	50	Hz
SPEED nom.	1465	Rpm/min
TORQUE nom.	98	Nm
COS φ	0,83	--



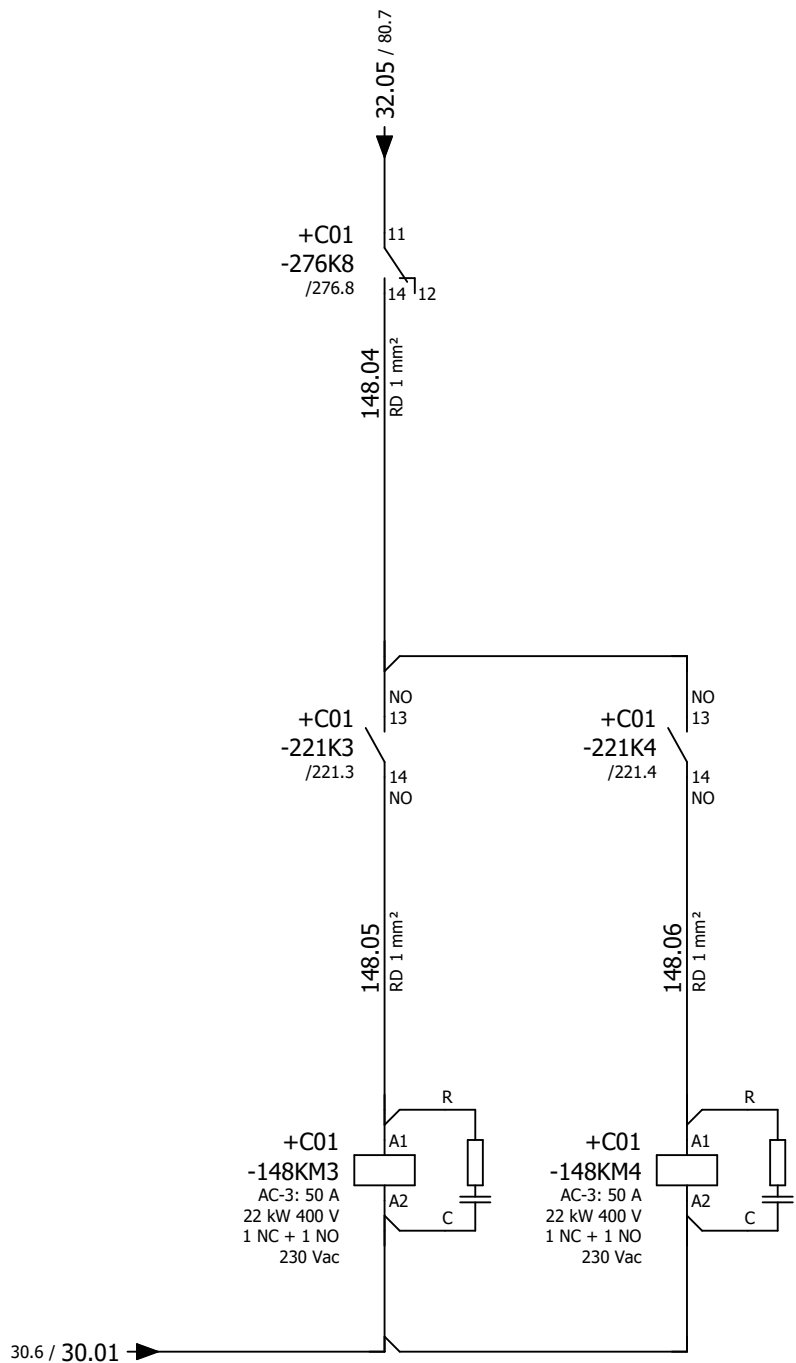
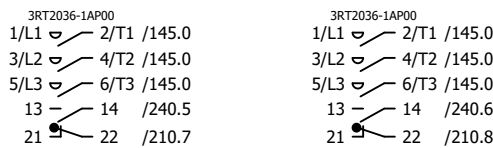
SPINDLE MILLING MOTOR
OPERATOR SIDE

MOTOR		
TYPE: 1LE1003-1DB43-4FB4		
POWER	15	KW
CURRENT	28,5	Amp
TENSION	400	Volt
FREQUENCY	50	Hz
SPEED nom.	1465	Rpm/min
TORQUE nom.	98	Nm
COS φ	0,83	--



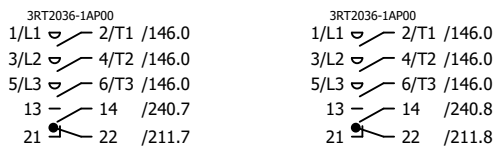
SPINDLE MILLING MOTOR
OPERATOR SIDE

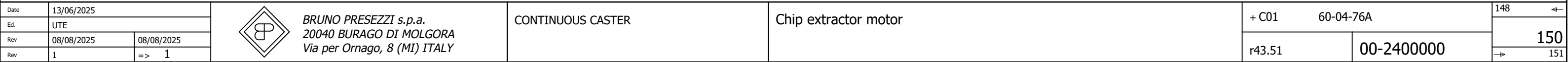
SPINDLE MILLING MOTOR
OPERATOR SIDE



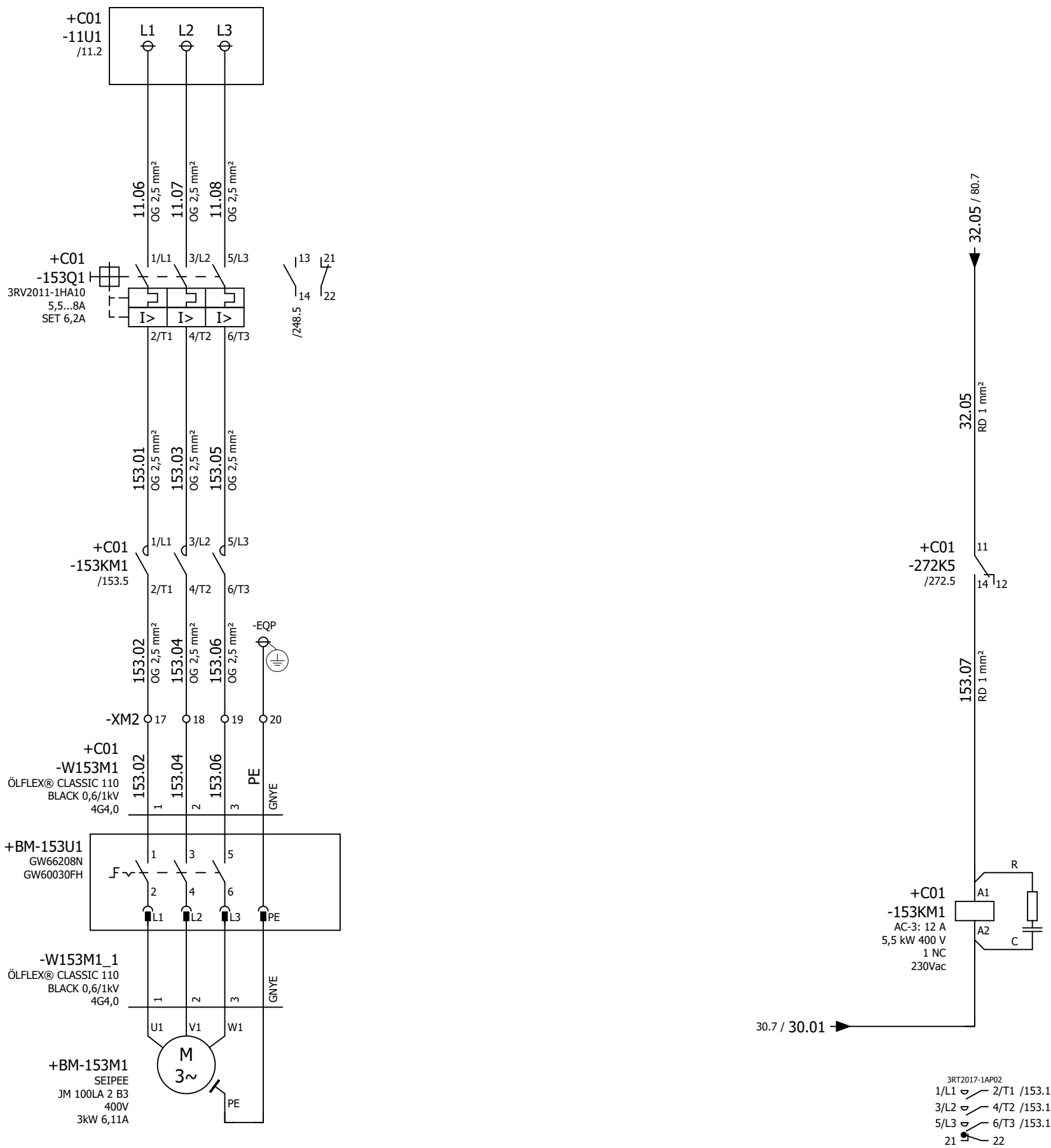
SPINDLE MILLING MOTOR
MACHINE SIDE

SPINDLE MILLING MOTOR
MACHINE SIDE



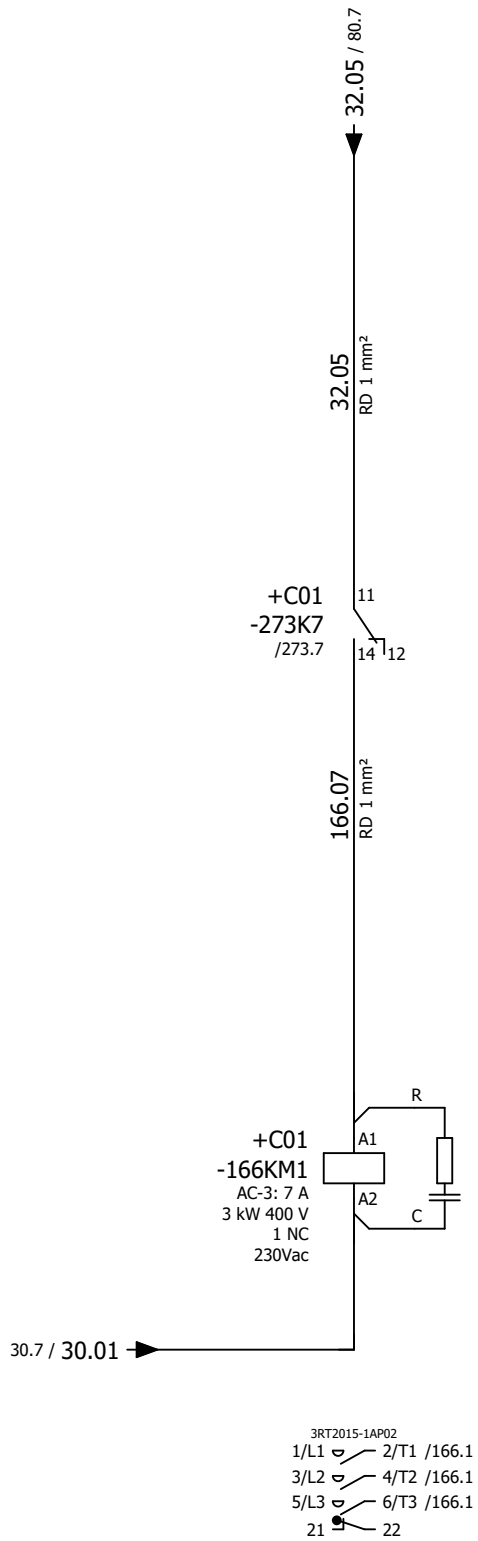
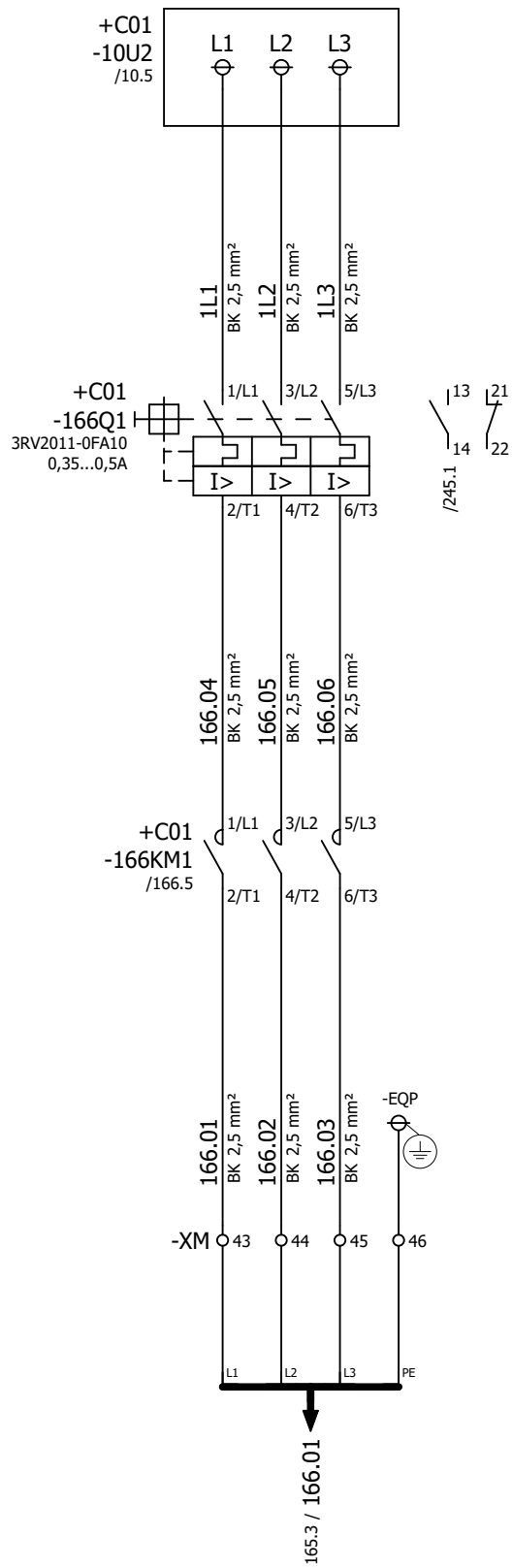


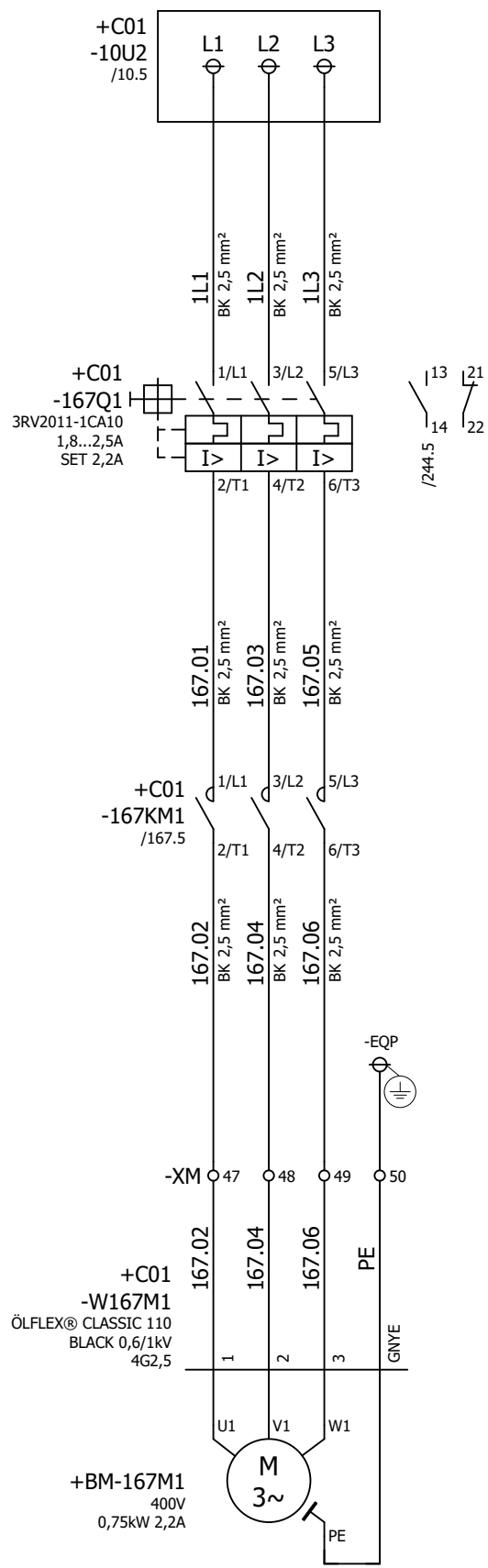




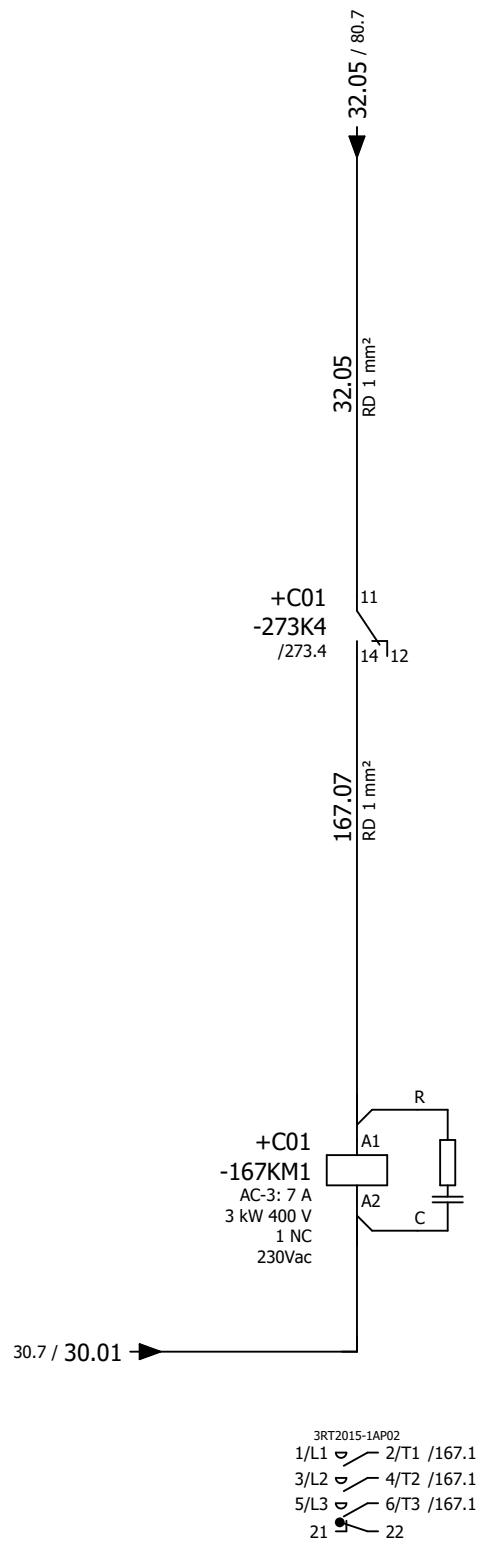
MOTOR CHIPS BLOWER

COMMAND MOTOR CHIP BLOWER

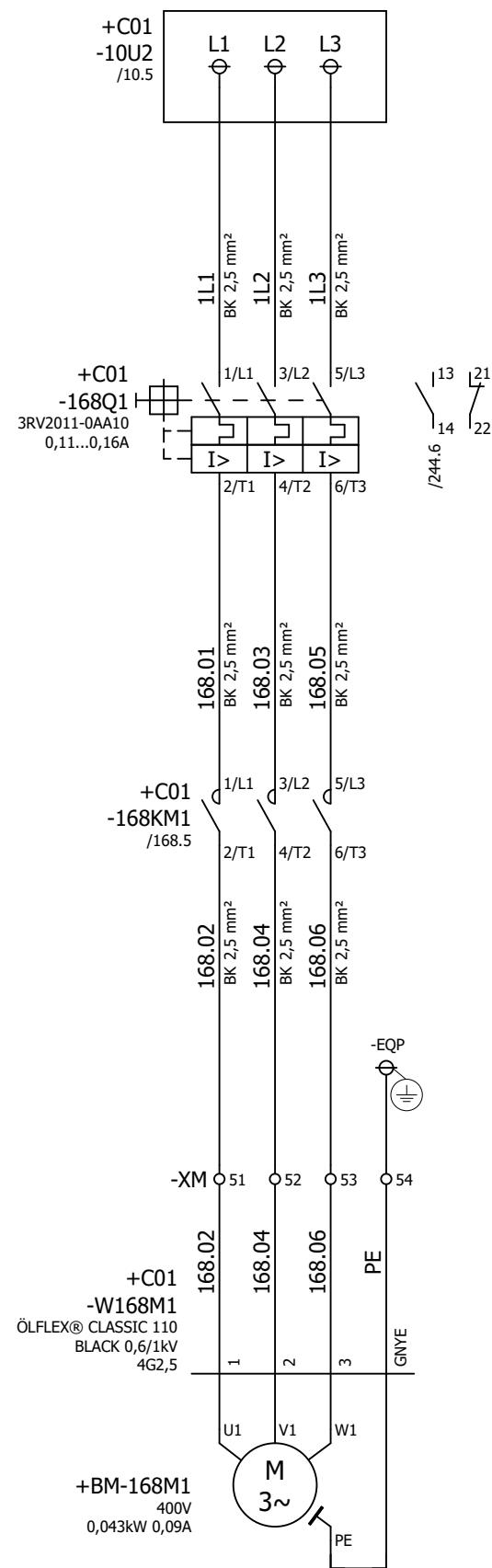




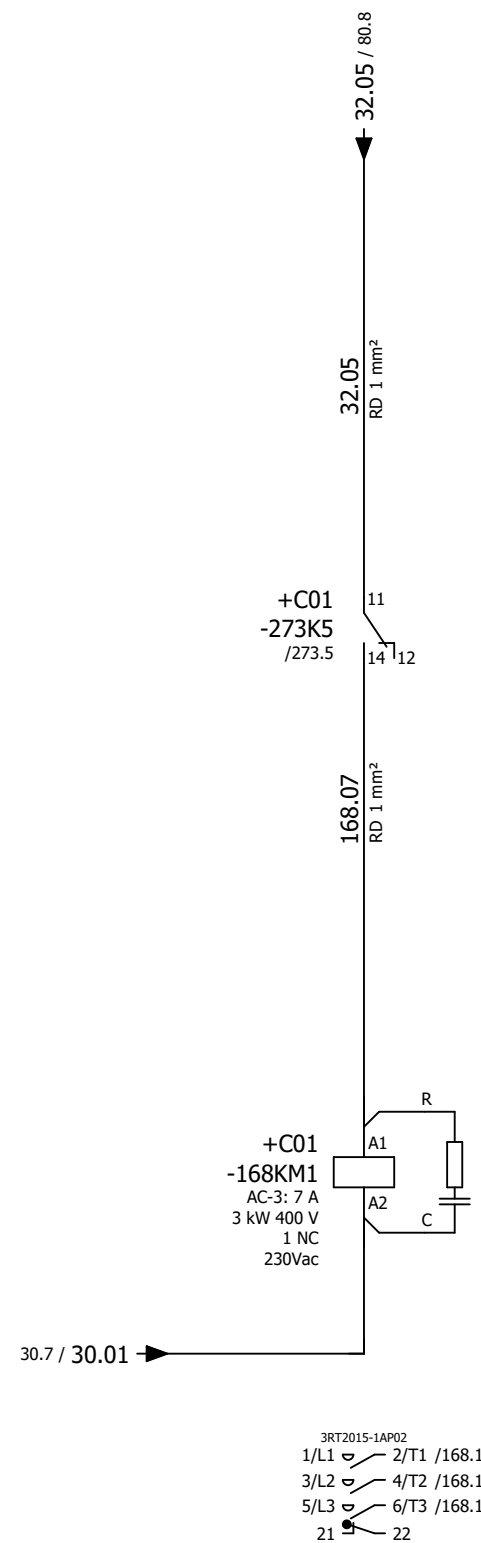
MOTOR PUMP RECOILER
LUBRIFICATION



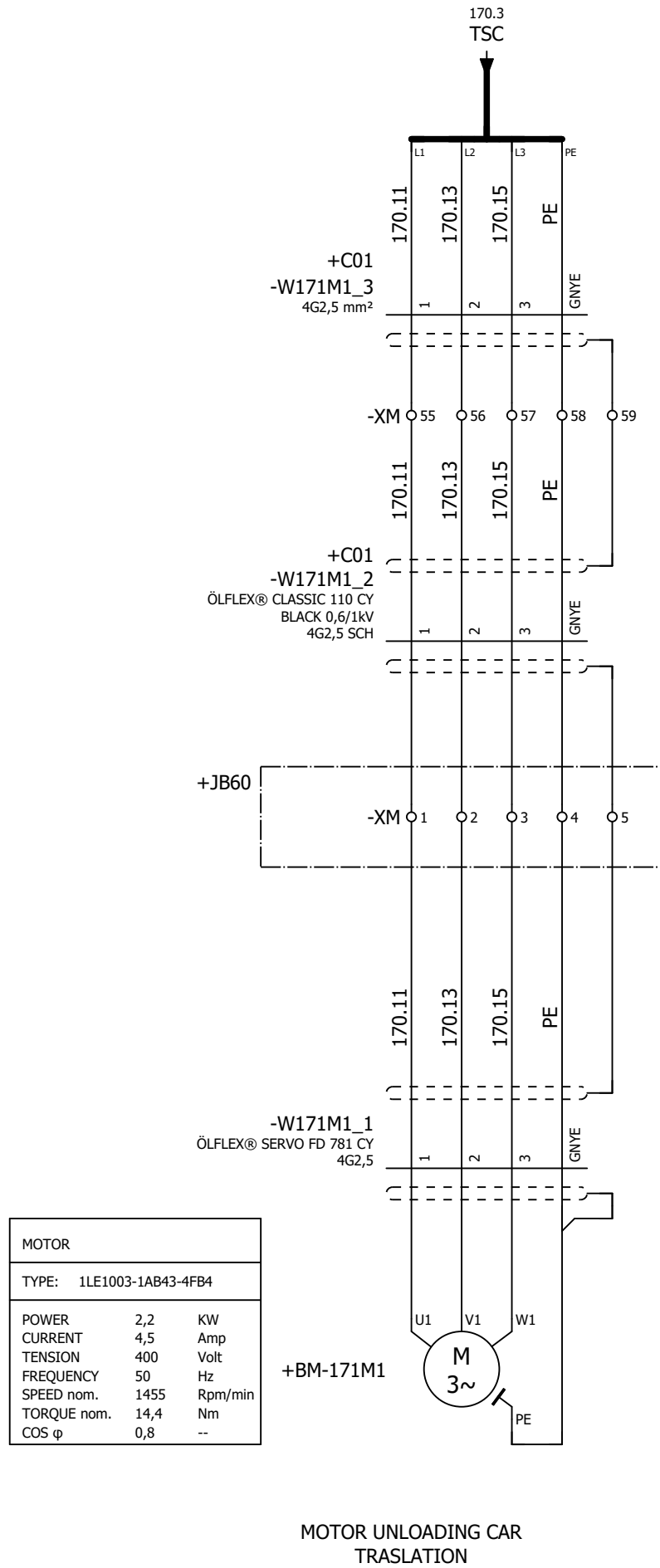
COMMAND MOTOR RECOILER
LUBRIFICATION PUMP

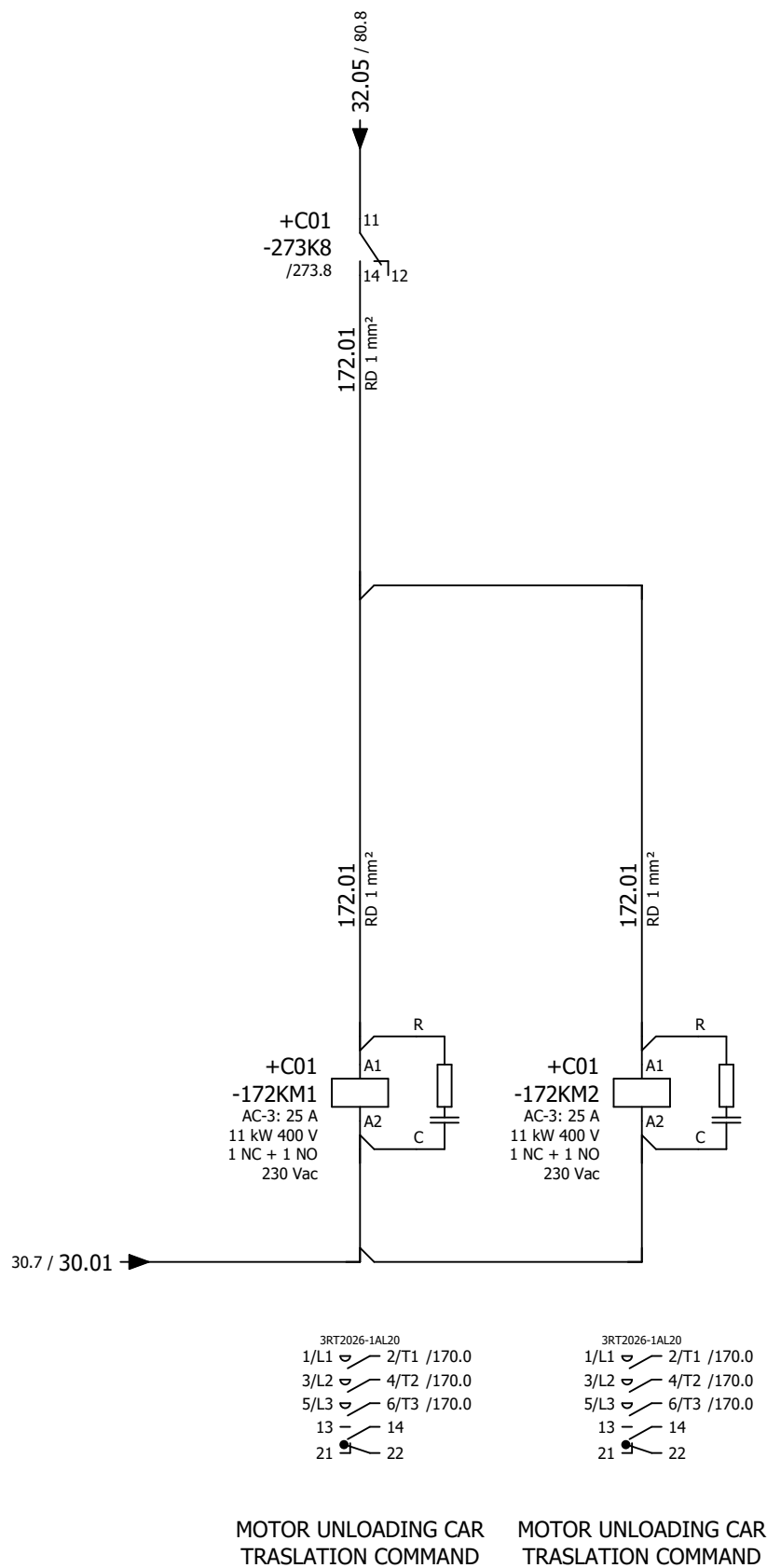


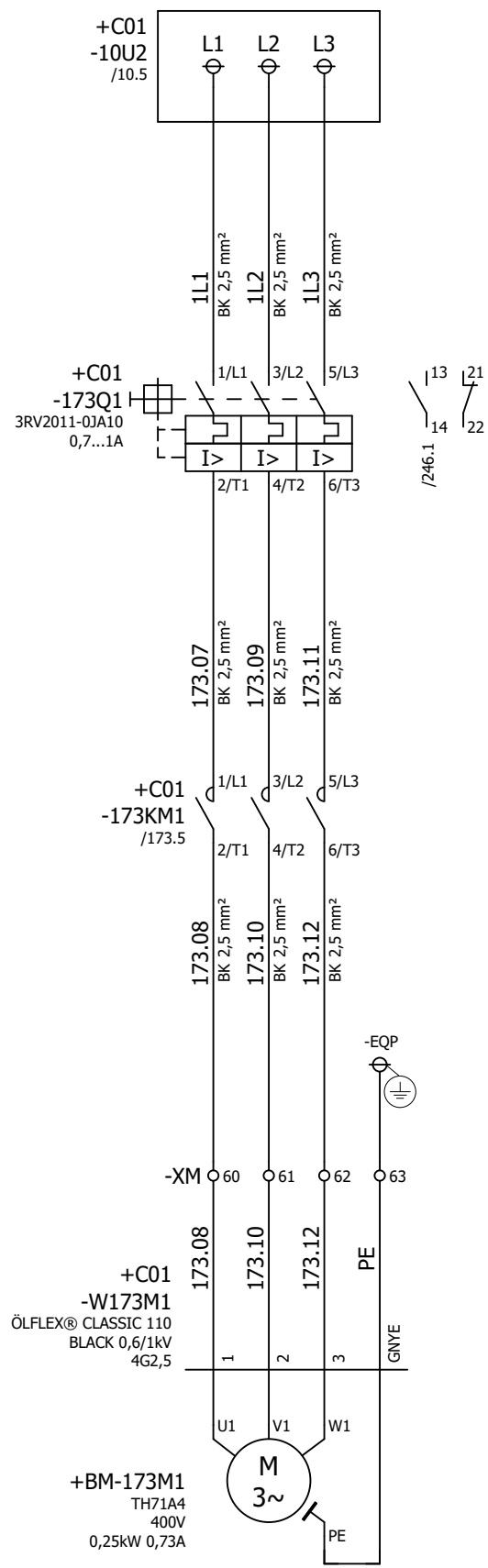
MOTOR EXCHANGER WINDER



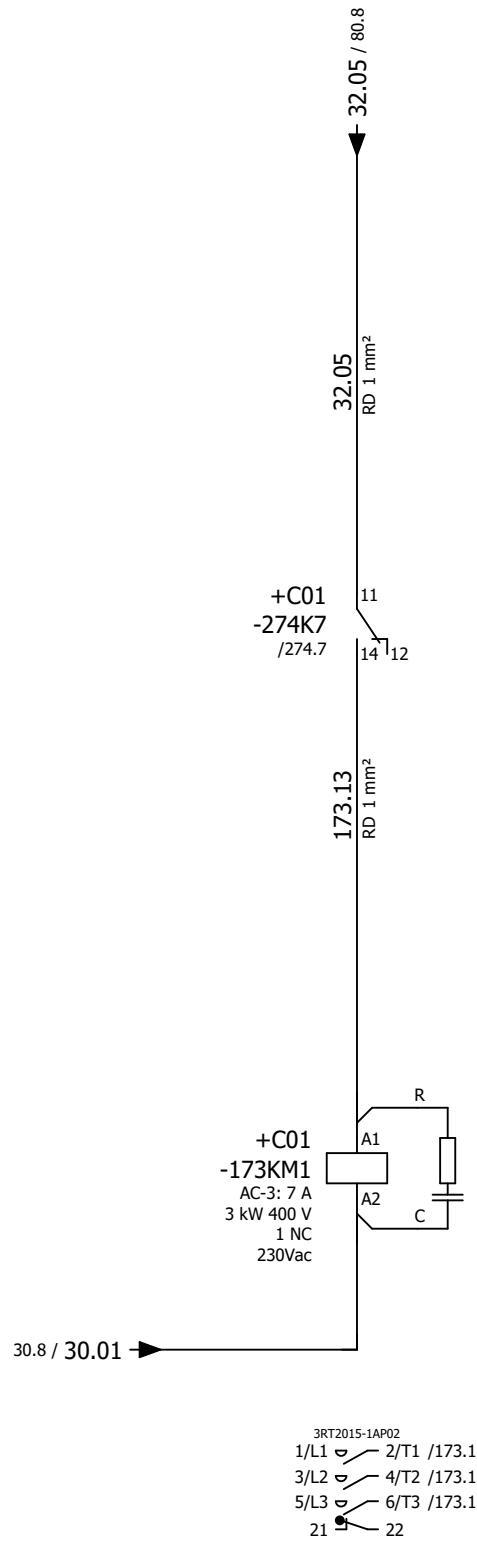
COMMAND MOTOR WINDER EXCHANGER



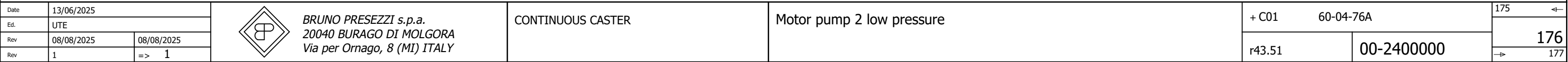


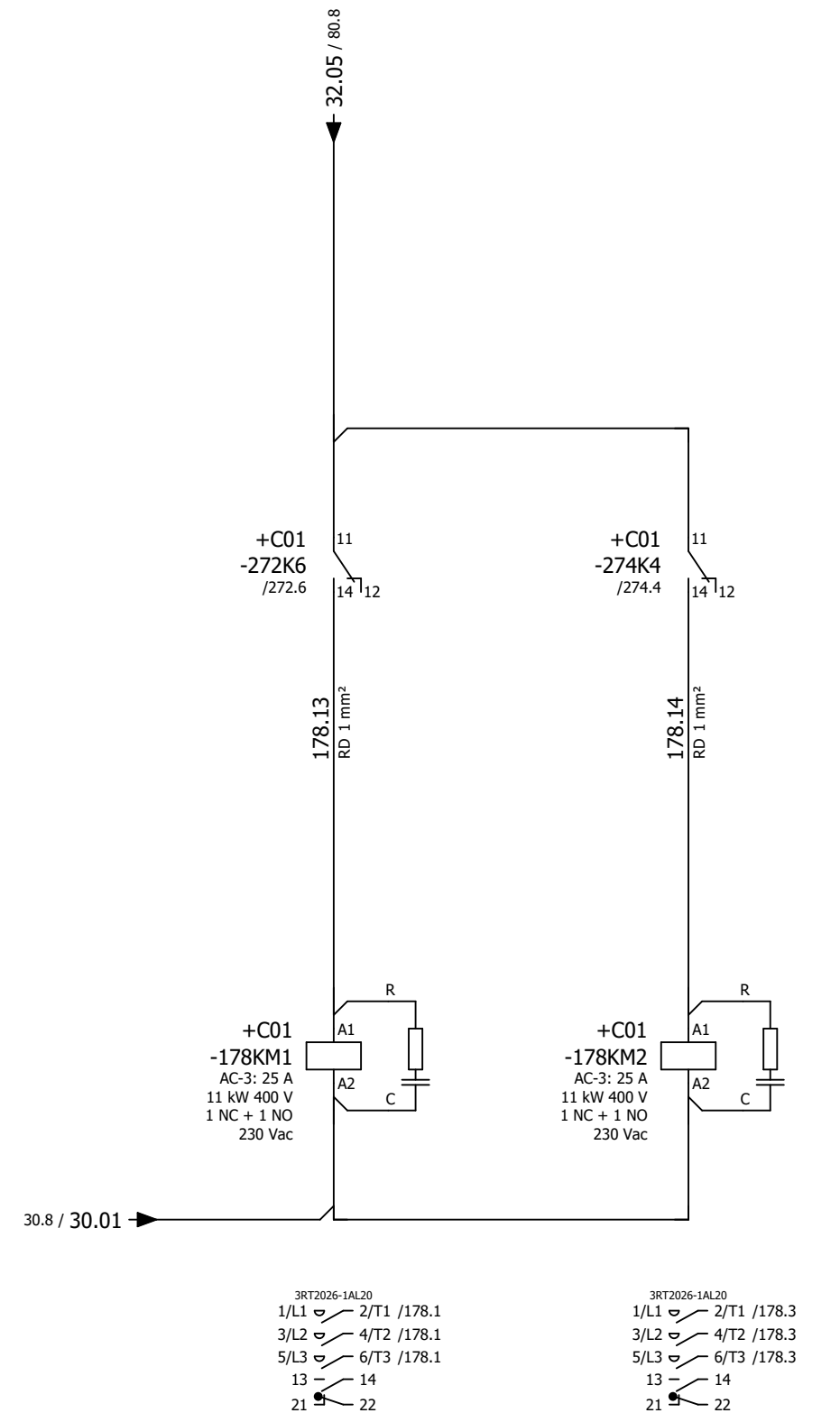
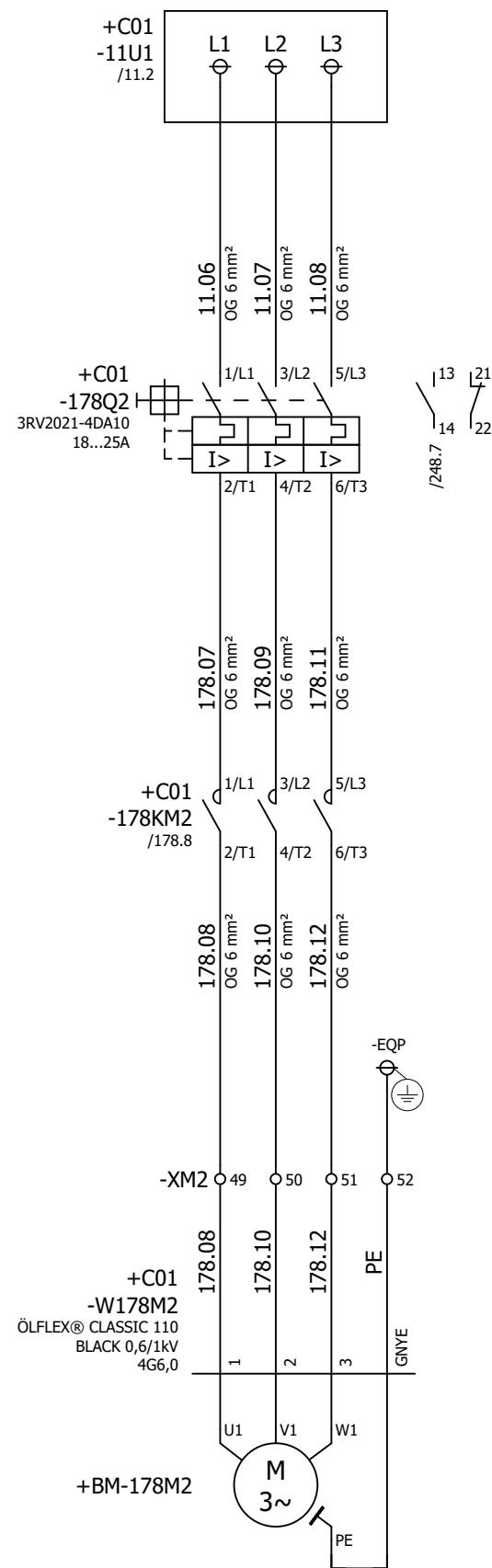
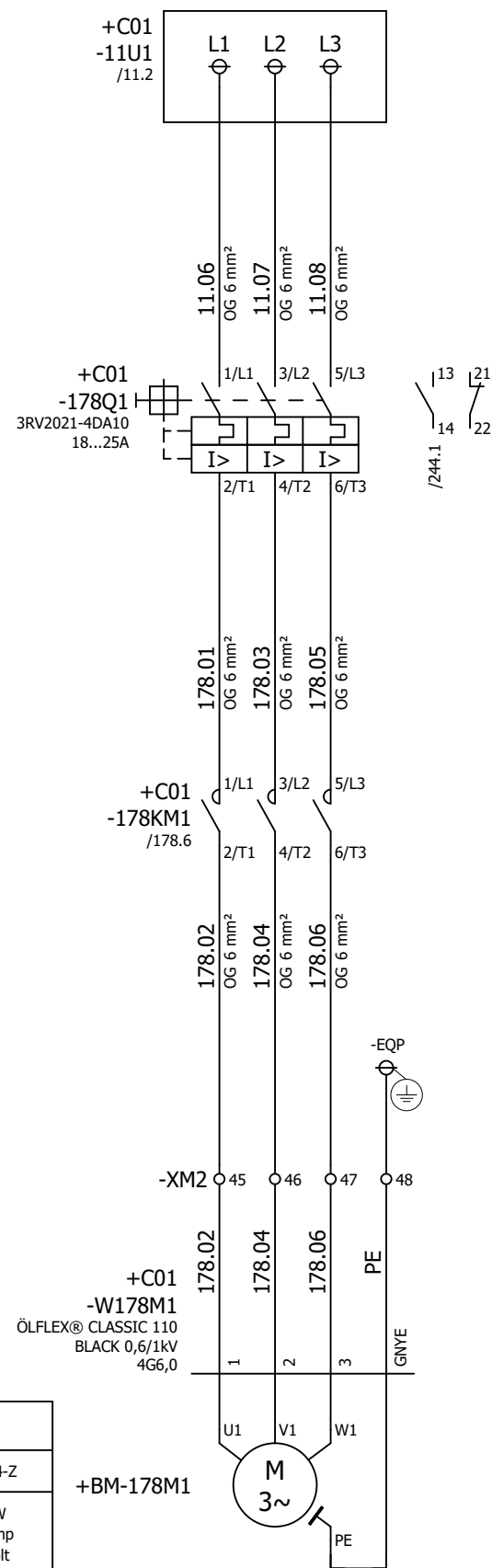


MOTOR LOAD SPOOL



COMMAND MOTOR LOAD SPOOL





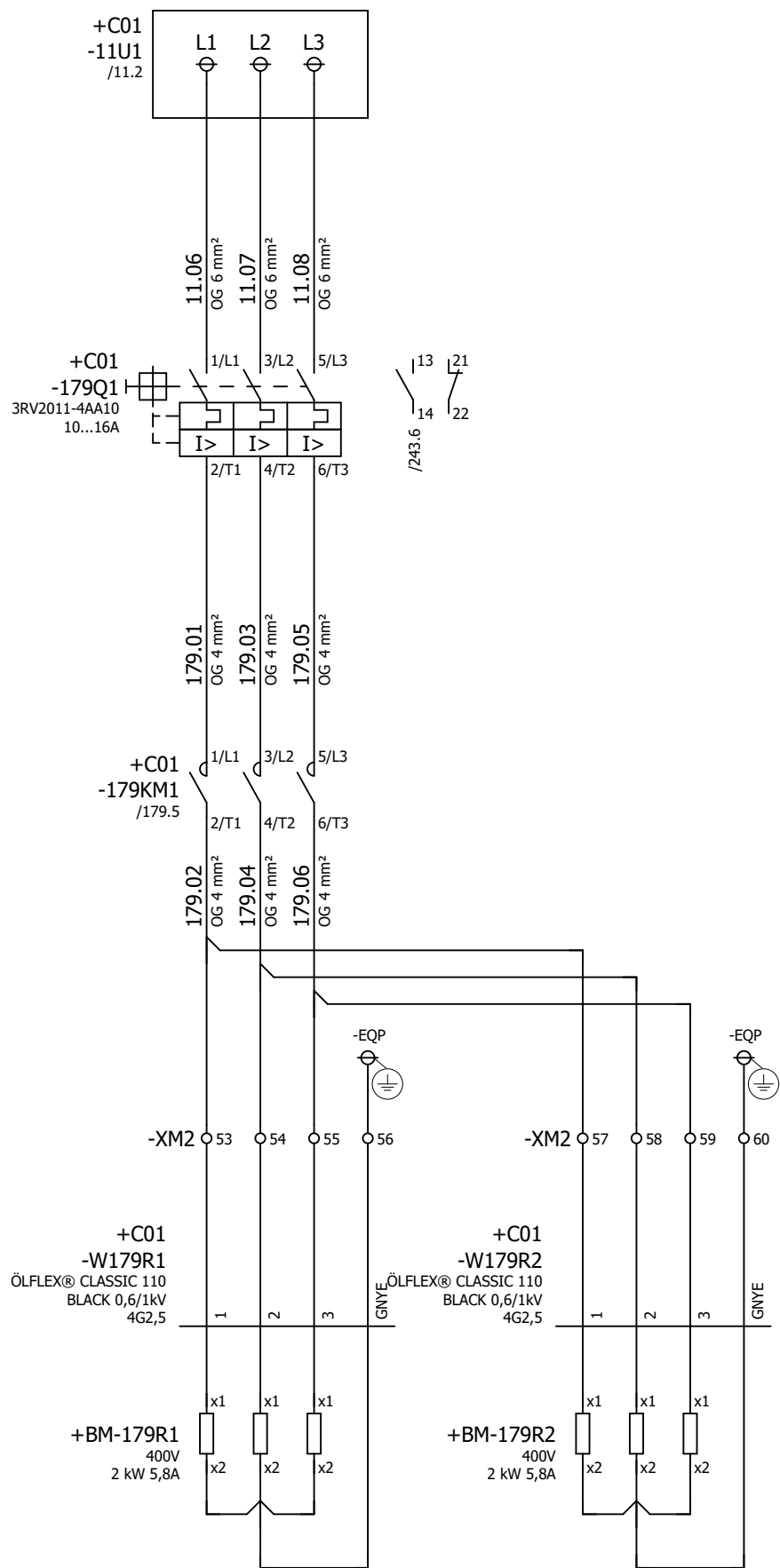
MOTOR		
TYPE:	1LE1003-1DB23-4GB4-Z	
POWER	11	KW
CURRENT	21	Amp
TENSION	400	Volt
FREQUENCY	50	Hz
SPEED nom.	1470	Rpm/min
TORQUE nom.	71	Nm
COS φ	0,82	--

MOTOR PUMP 1 LOW
PRESSURE OIL RECIRCULATION

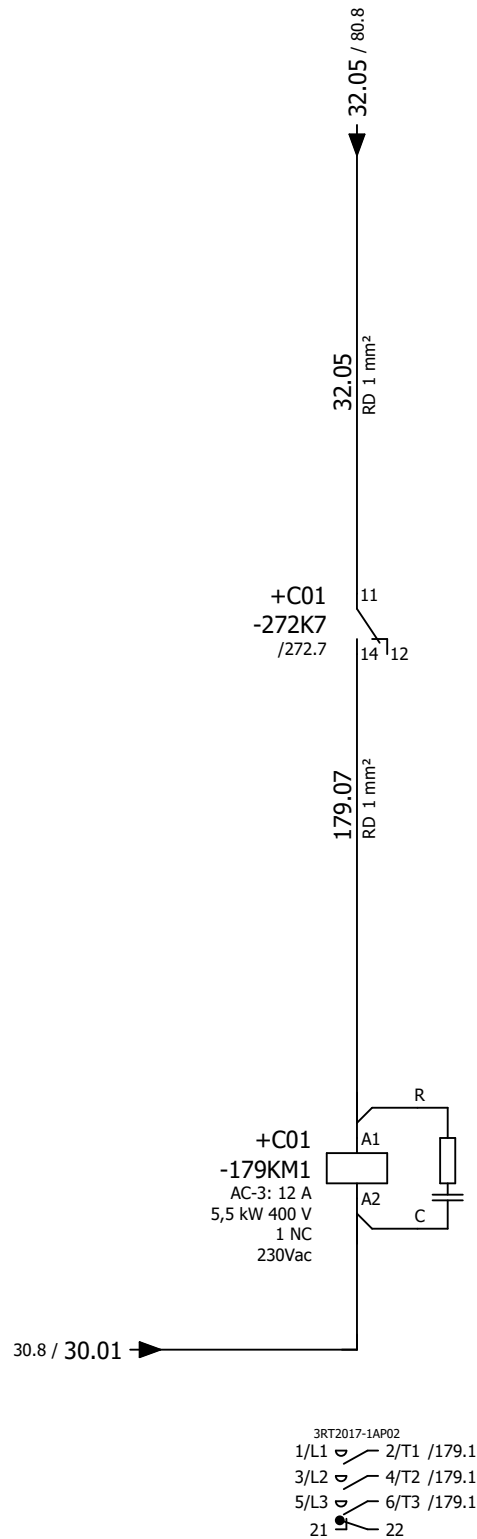
MOTOR PUMP 2 LOW
PRESSURE OIL RECIRCULATION

COMMAND MOTOR LOW
PRESSURE OIL RECIRCULATION
PUMP 1

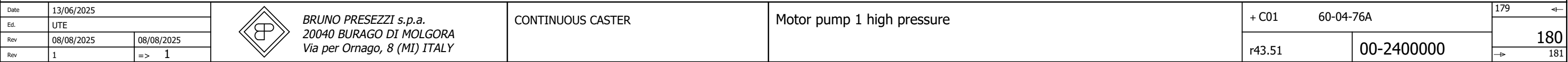
COMMAND MOTOR LOW
PRESSURE OIL RECIRCULATION
PUMP 2

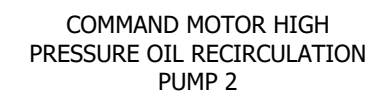
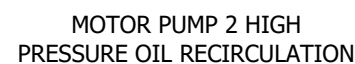


HEATING RESISTANCES LOW
PRESSURE OIL

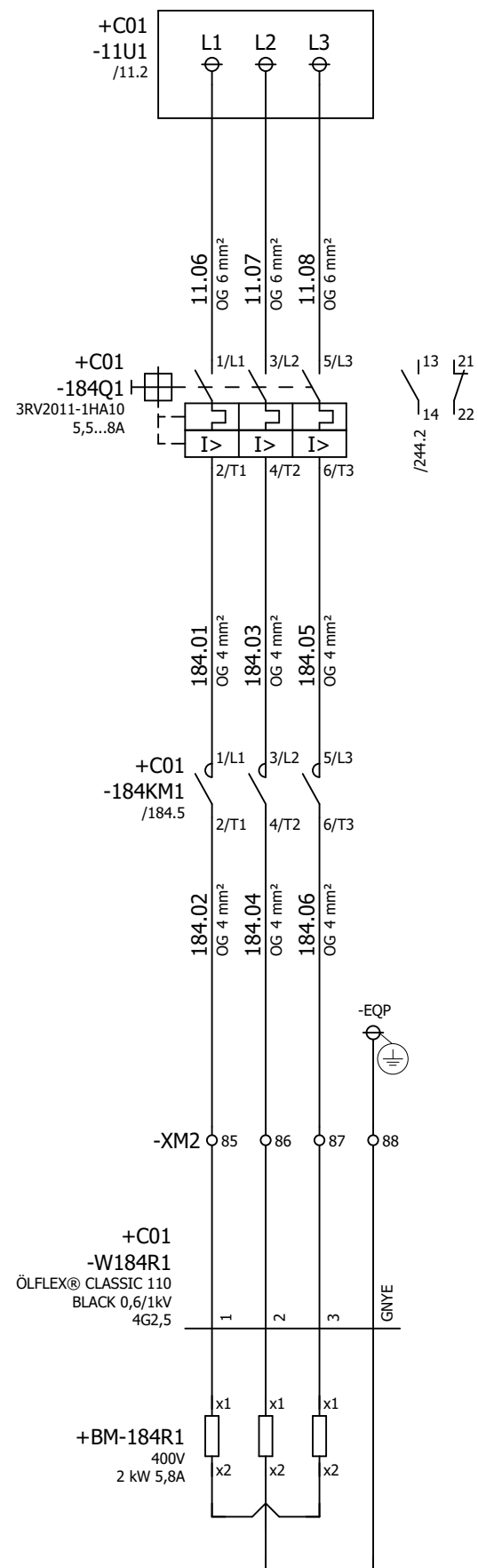


RESISTOR LOW PRESSURE
HEATING OIL COMMAND

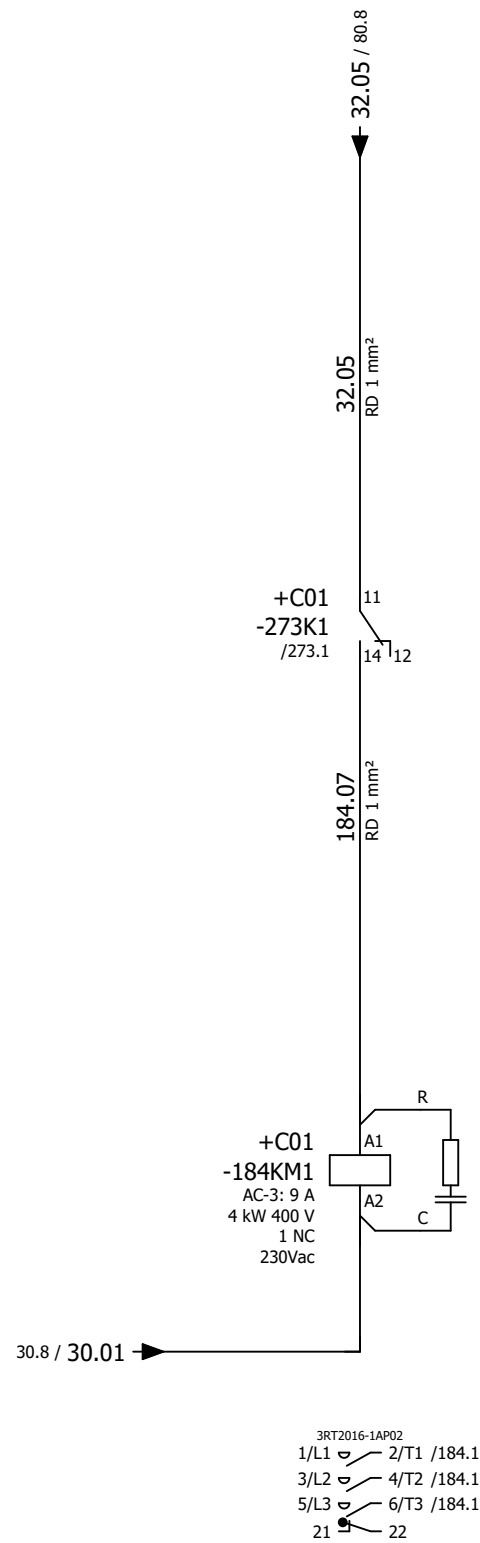


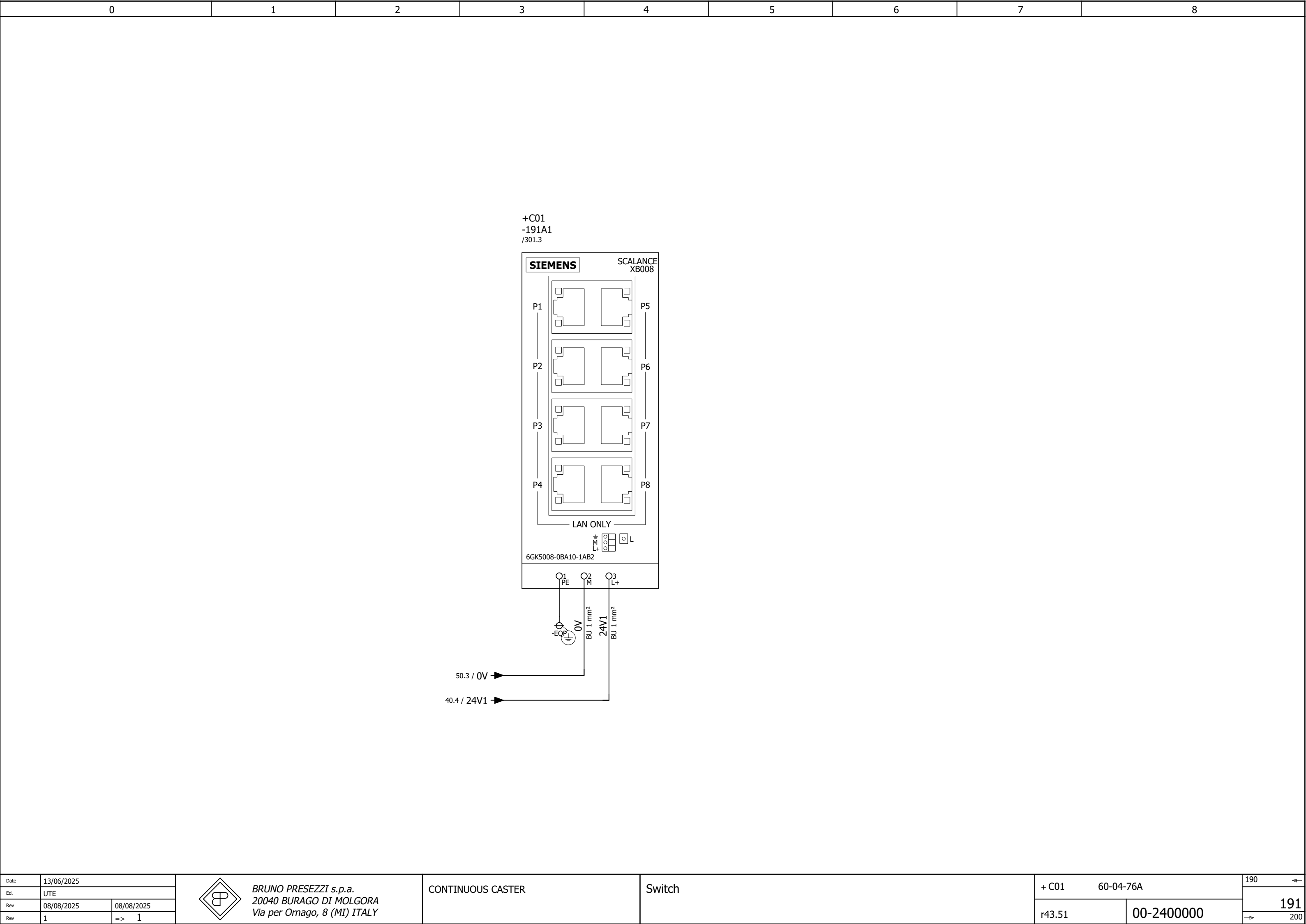


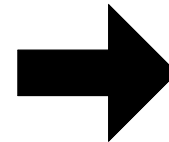
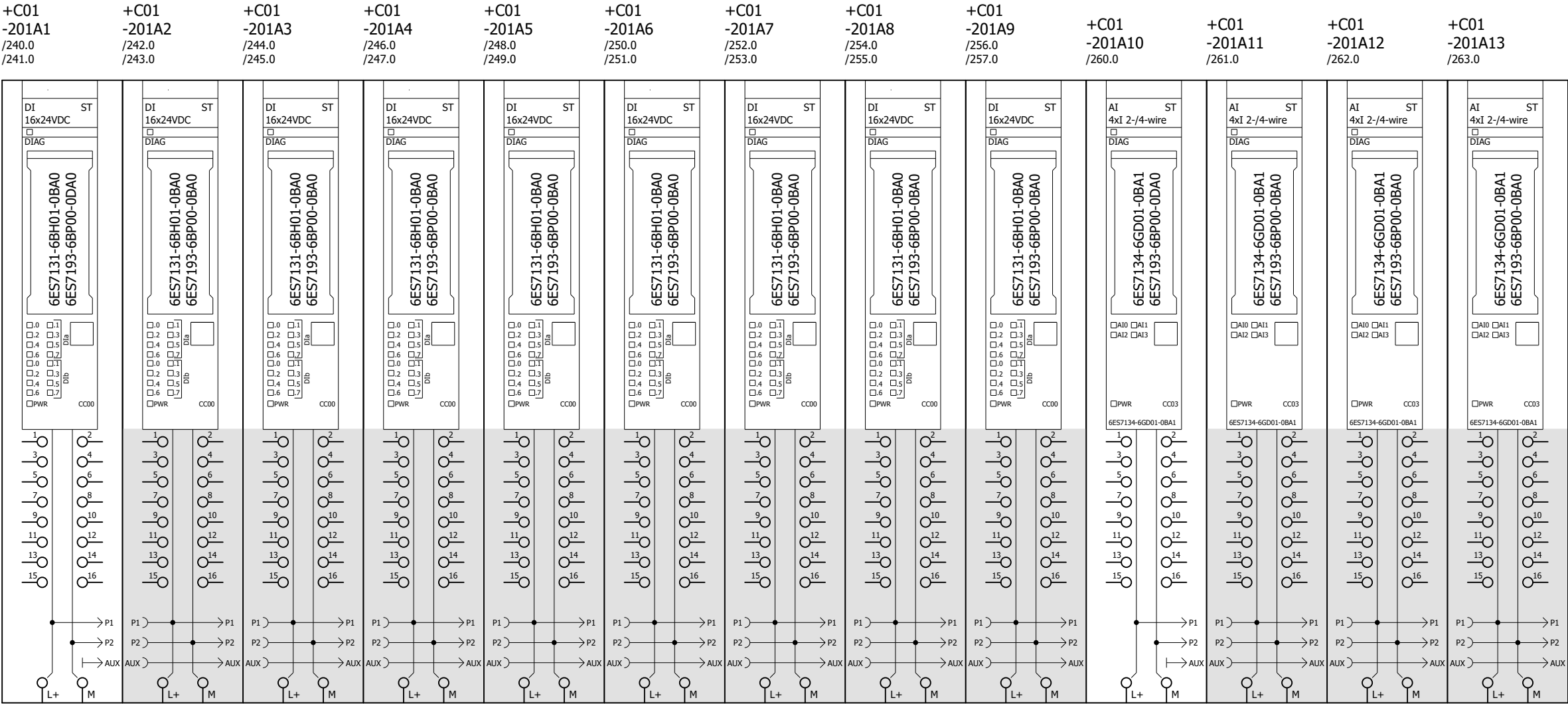
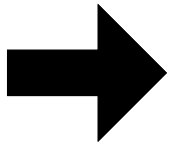
MOTOR		
TYPE:	1LE1003-1BB22-4GB4-Z	
POWER	4	KW
CURRENT	7,9	Amp
TENSION	400	Volt
FREQUENCY	50	Hz
SPEED nom.	1460	Rpm/min
TORQUE nom.	26	Nm
COS φ	0,82	--

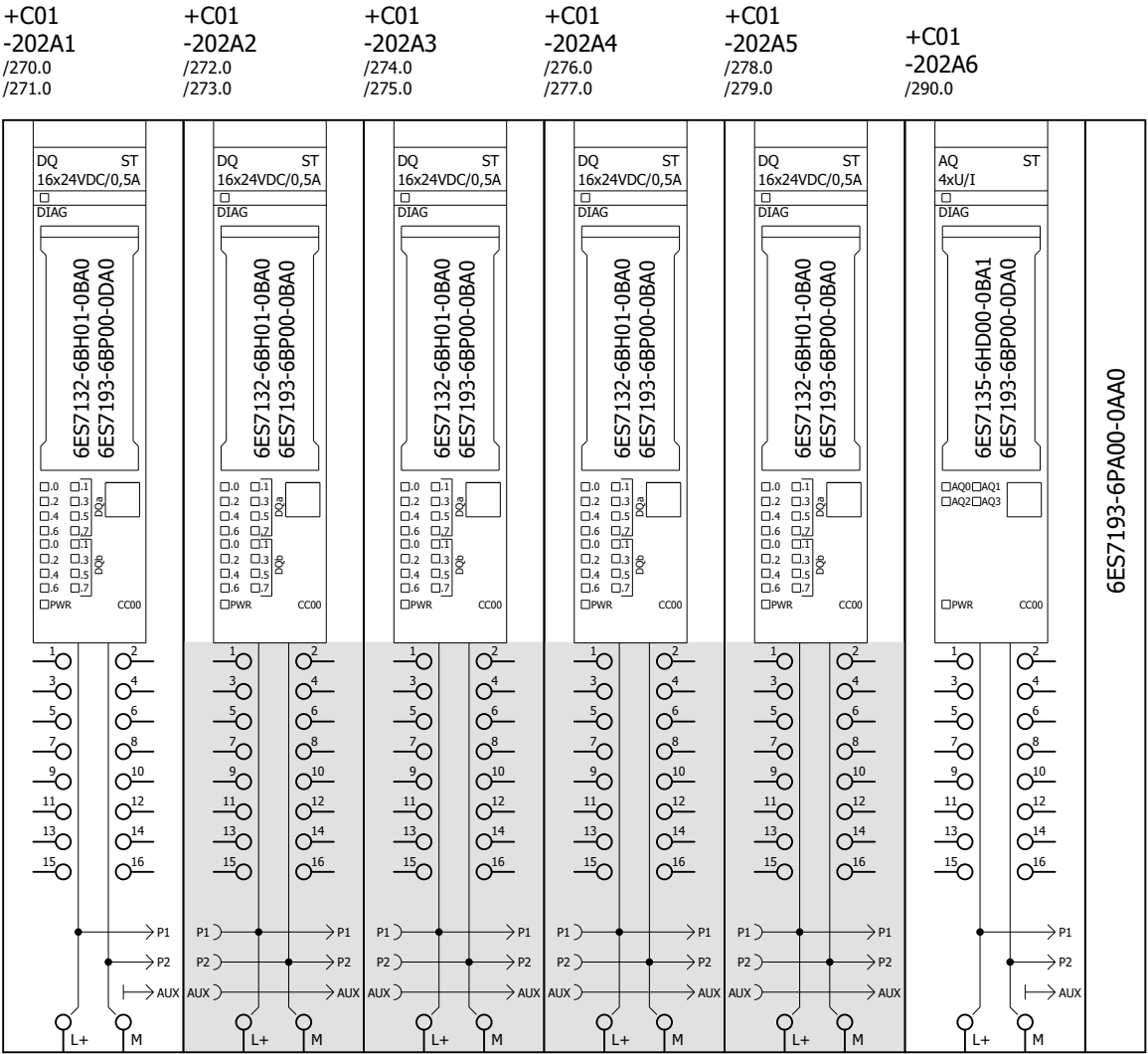
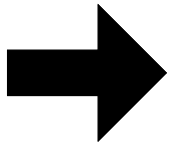


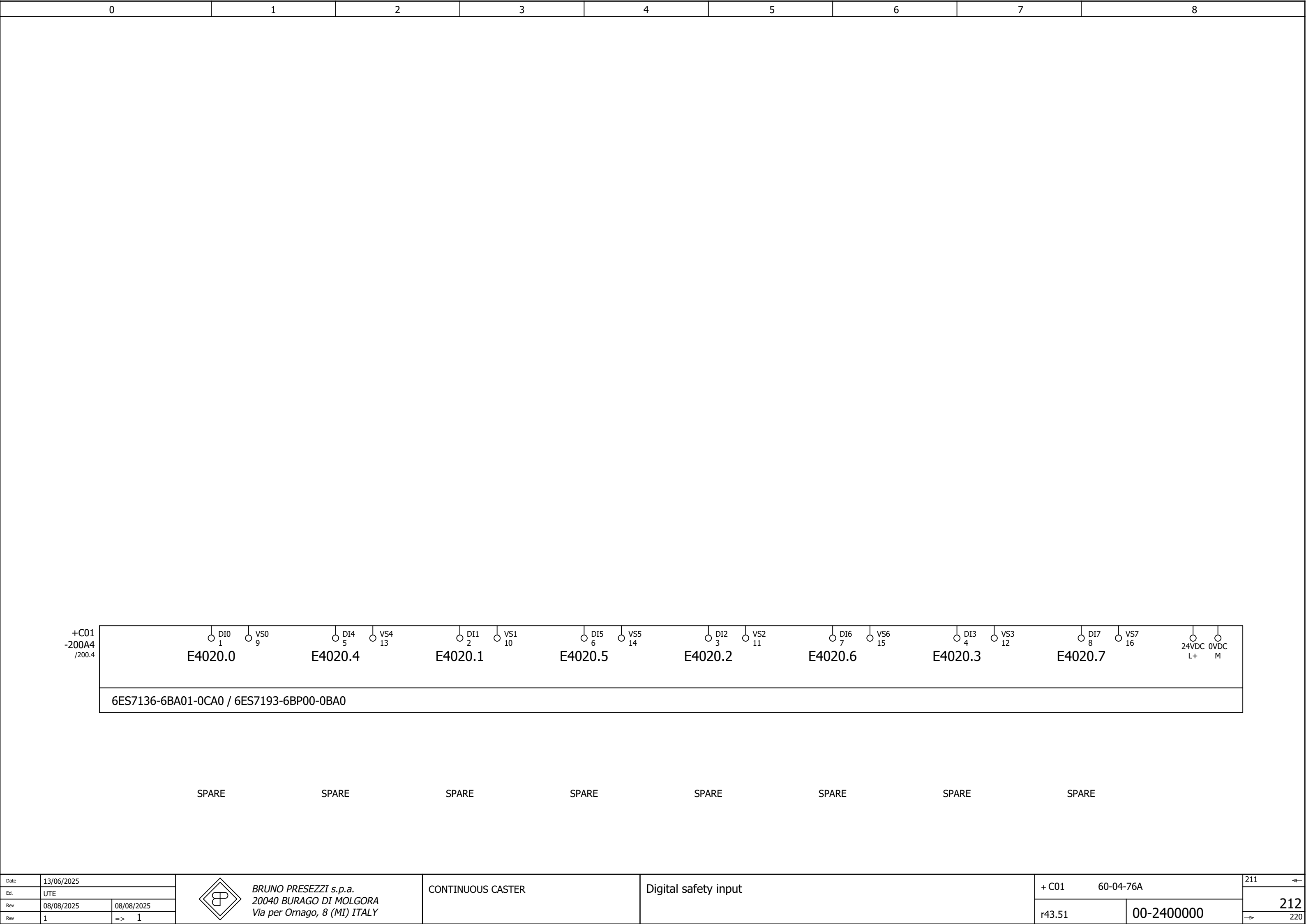
HEATING RESISTANCES HIGH
PRESSURE OIL

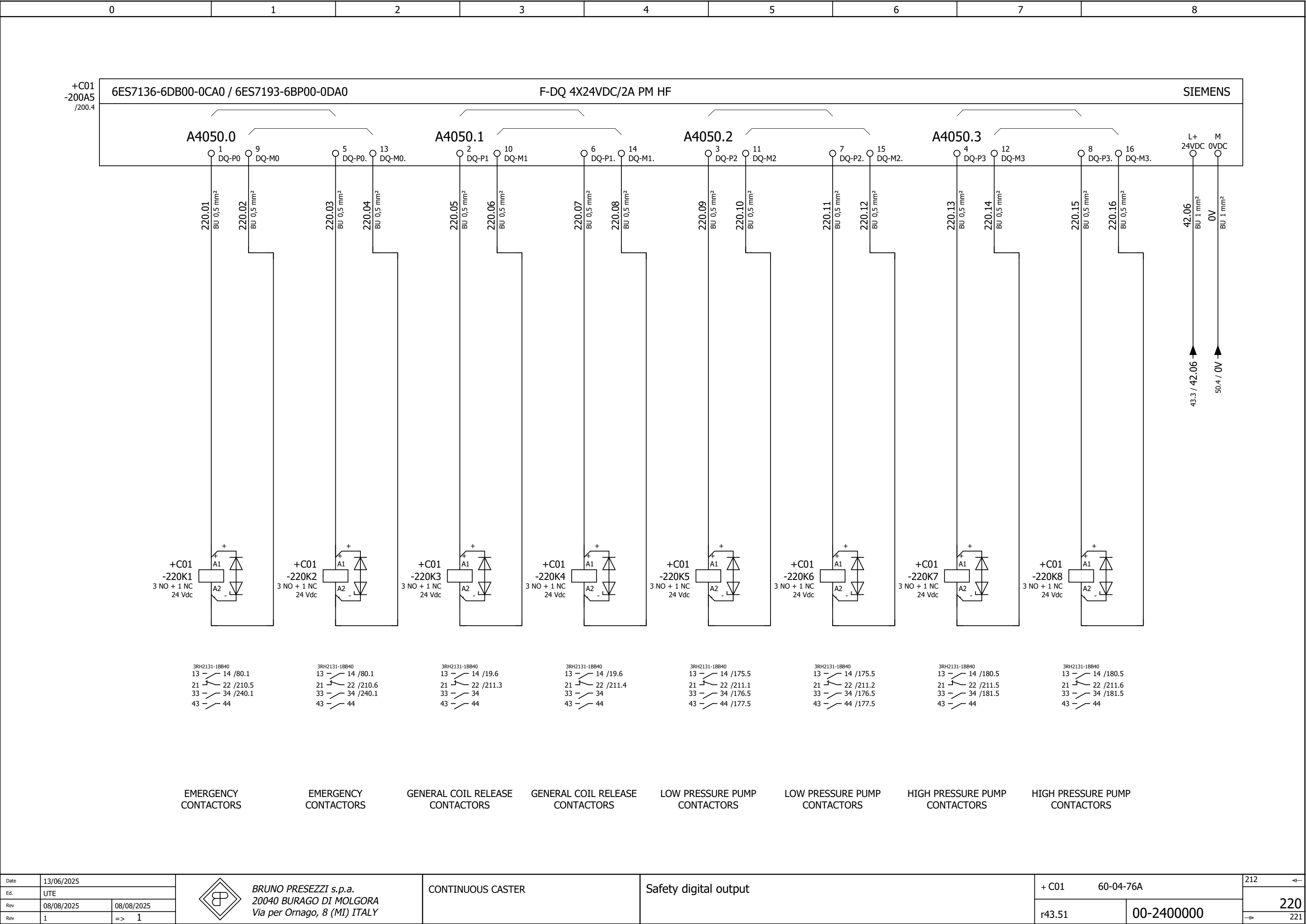
RESISTOR HIGH PRESSURE
HEATING OIL COMMAND

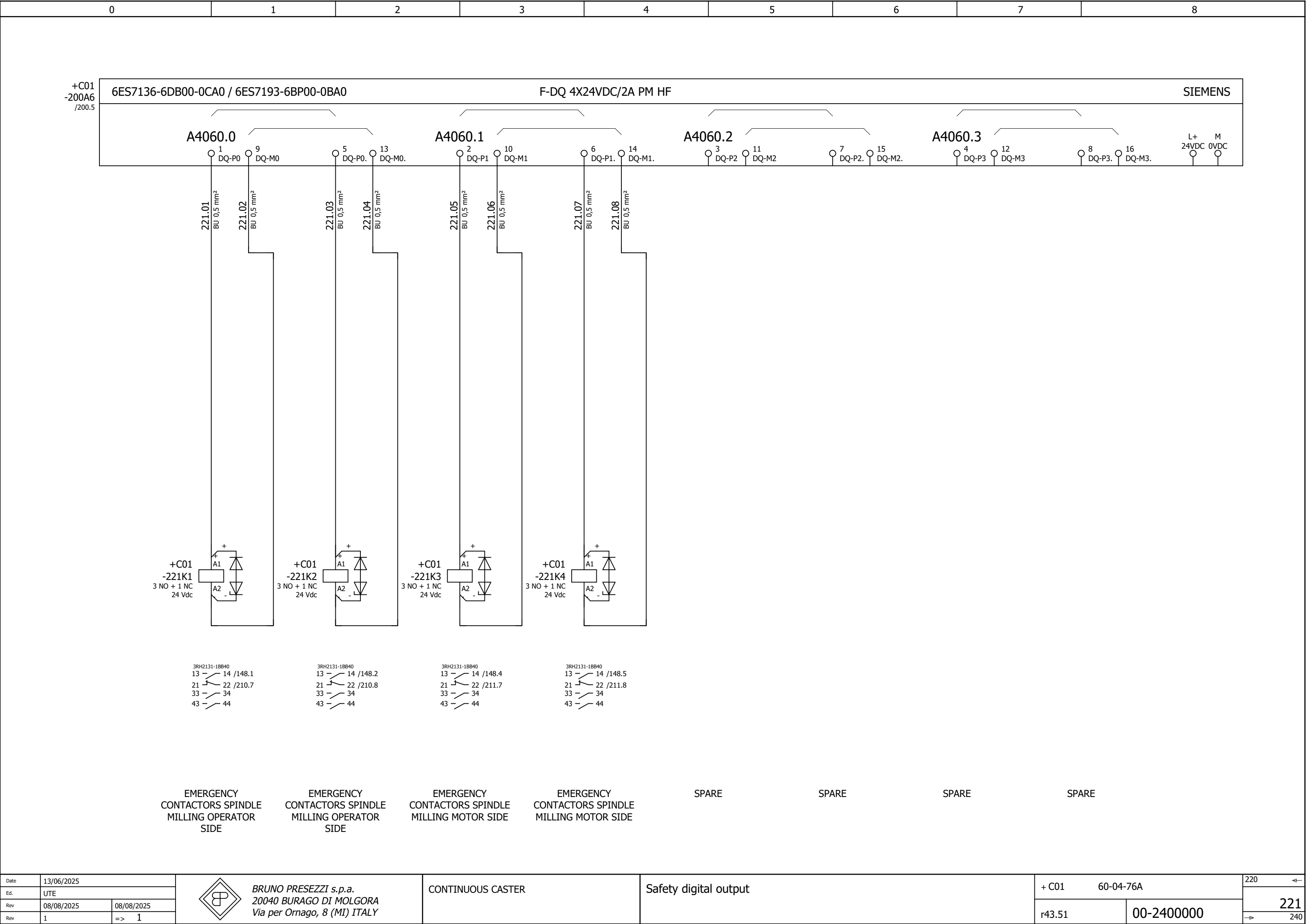


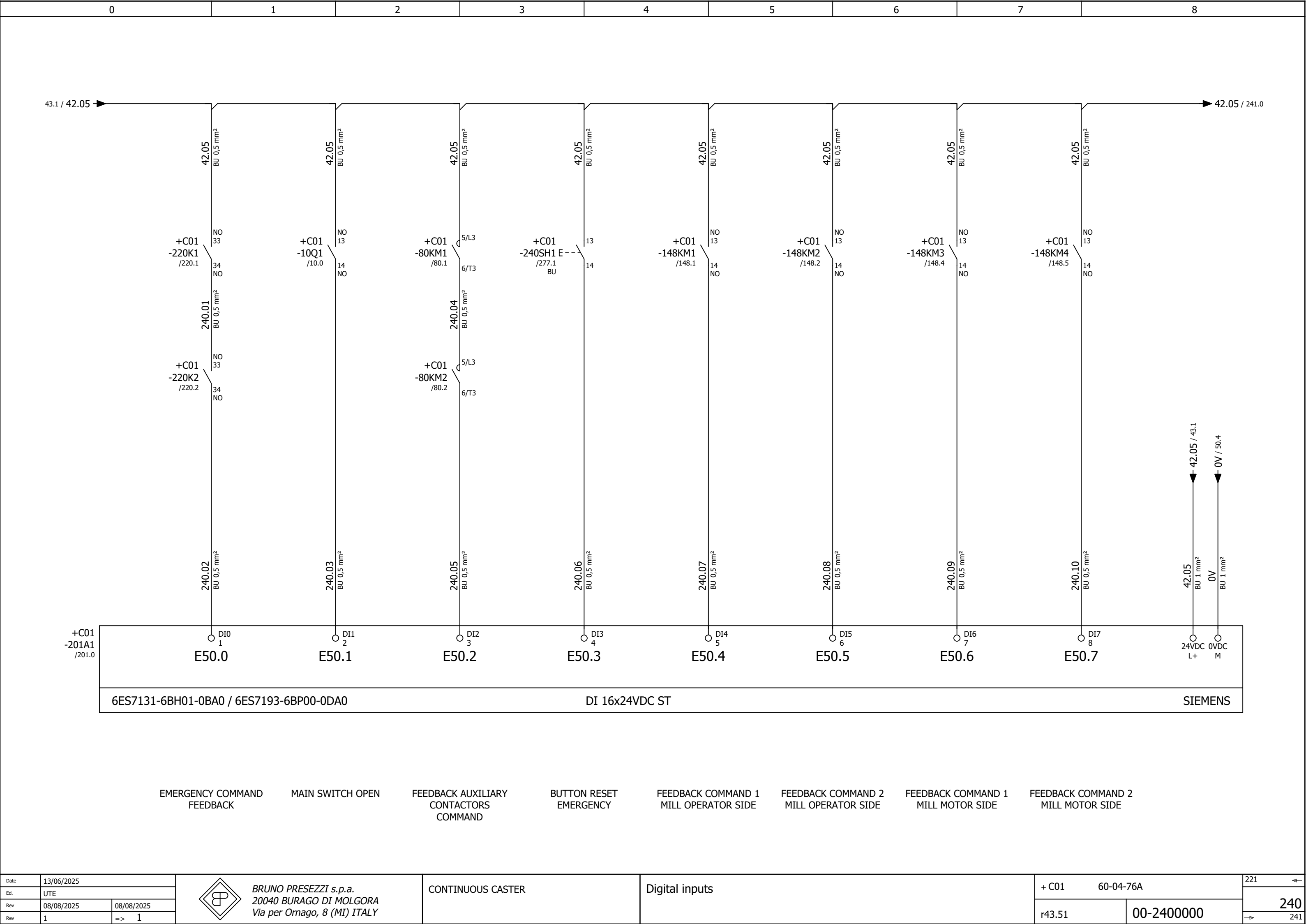


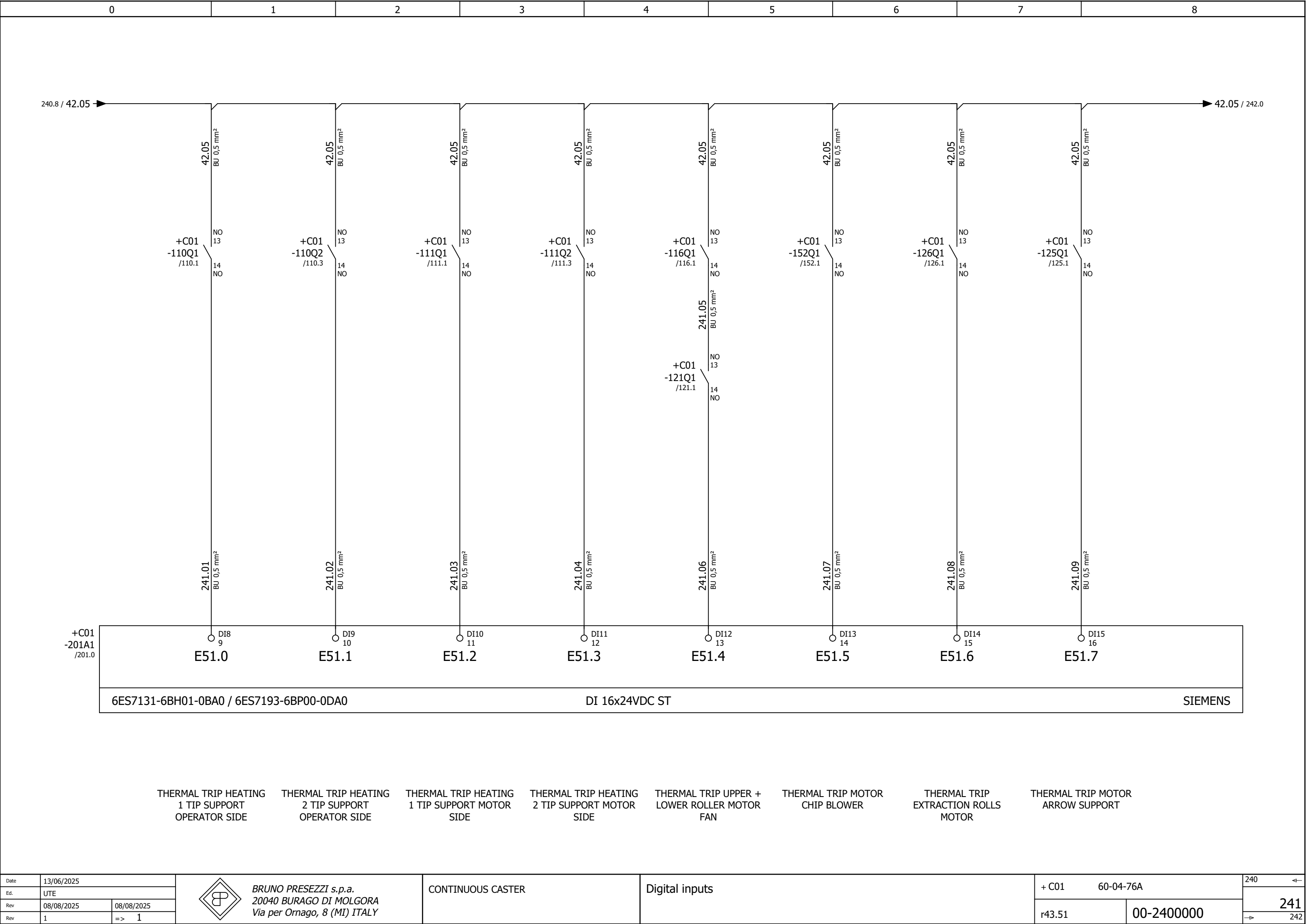


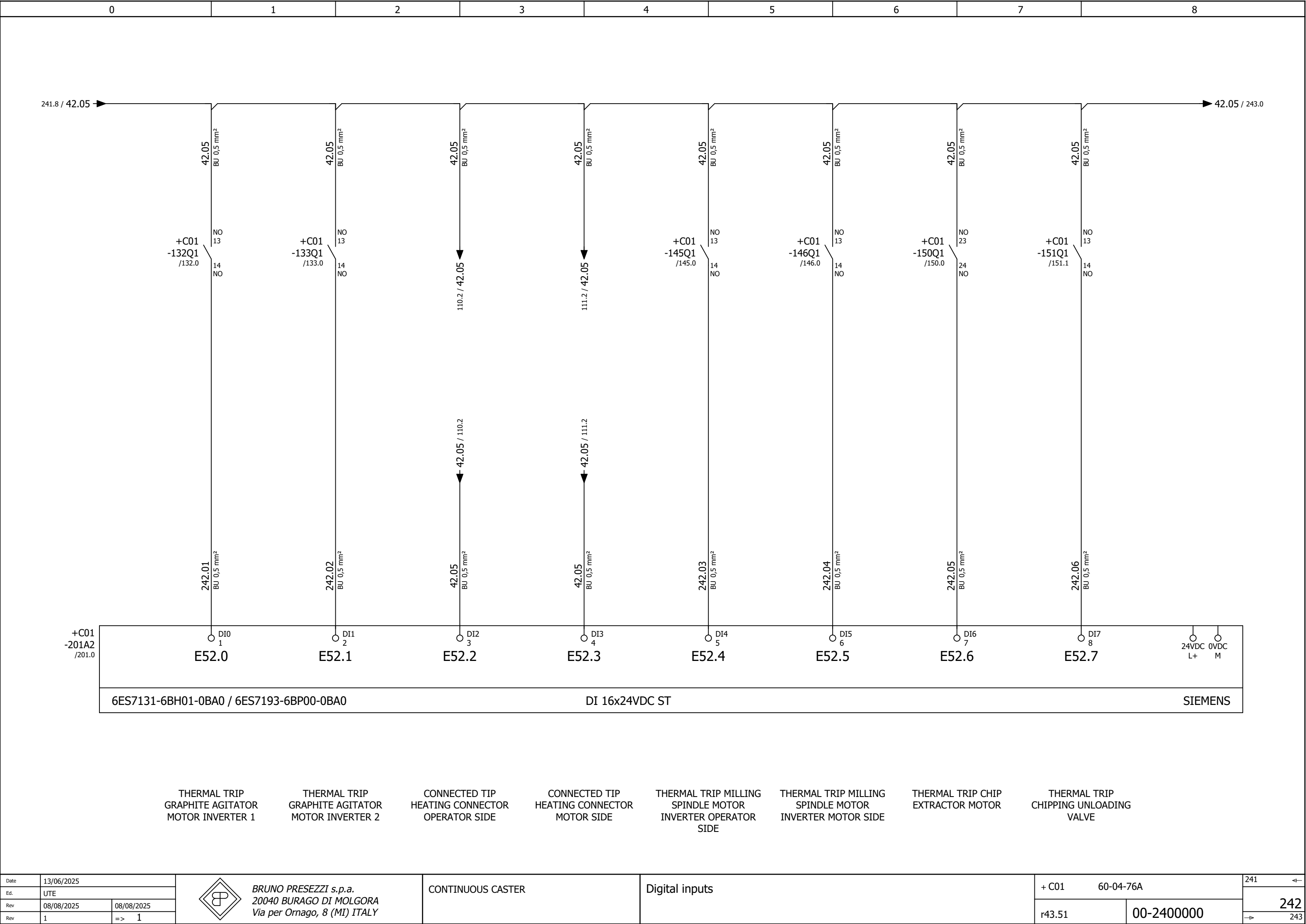


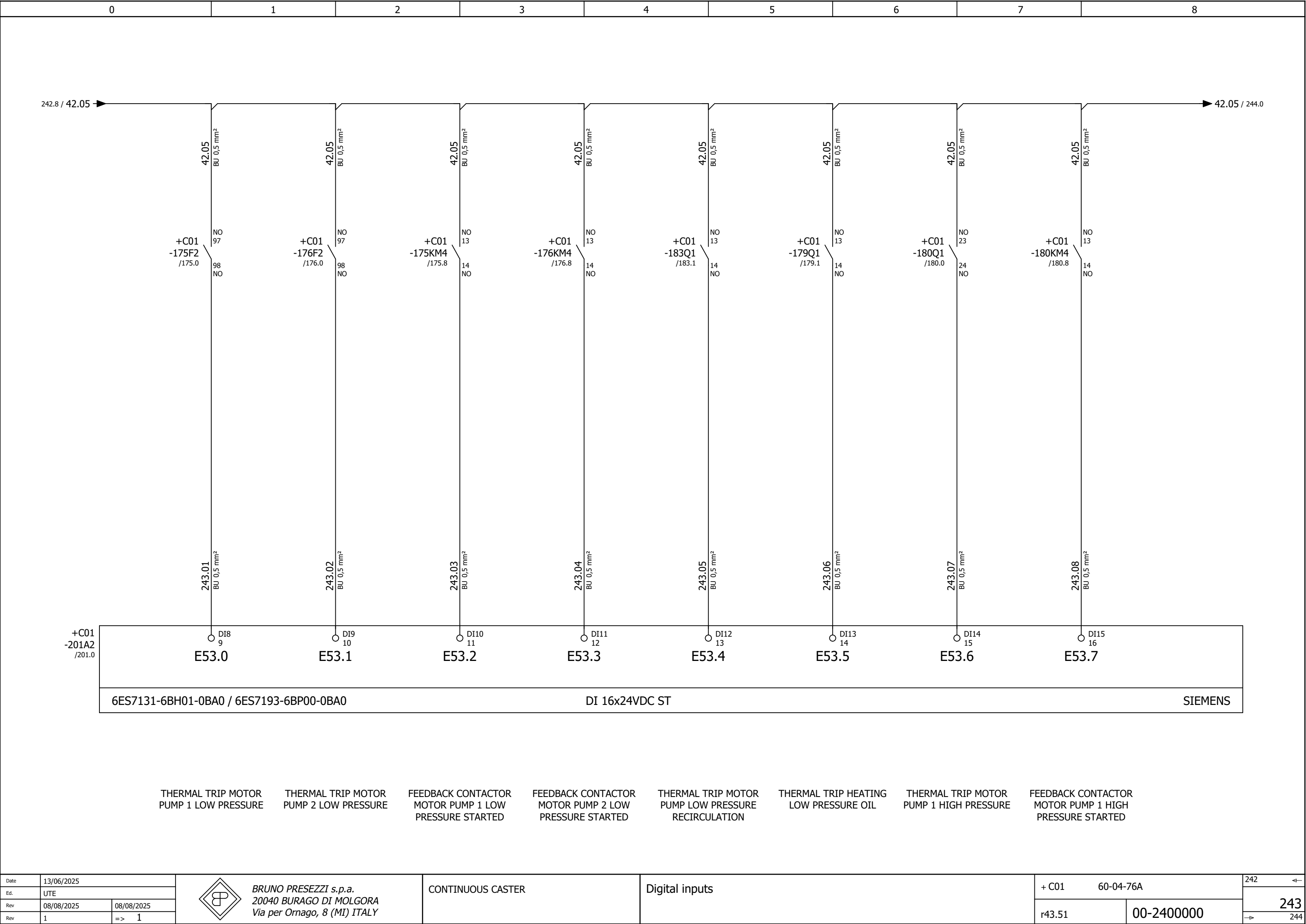


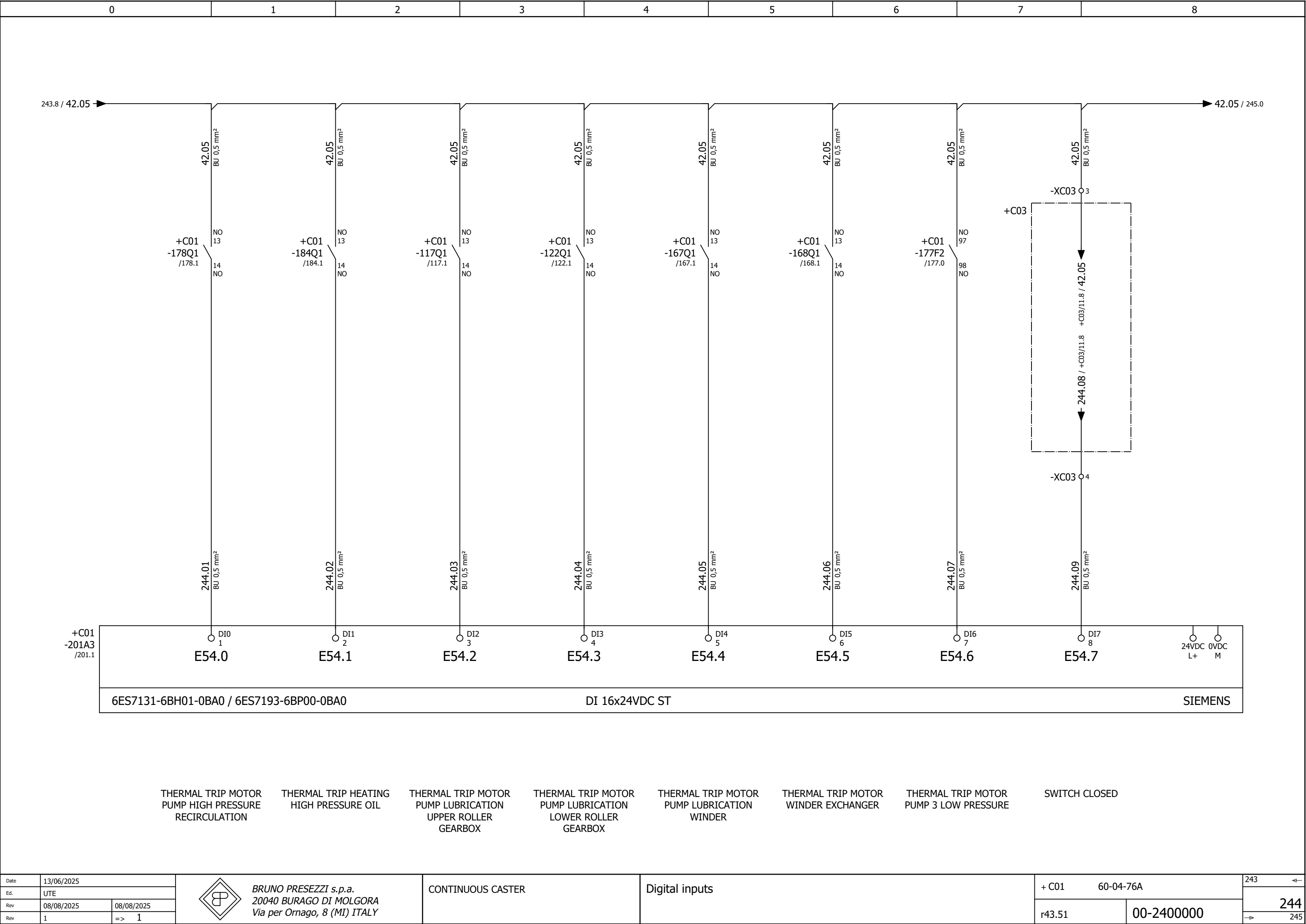


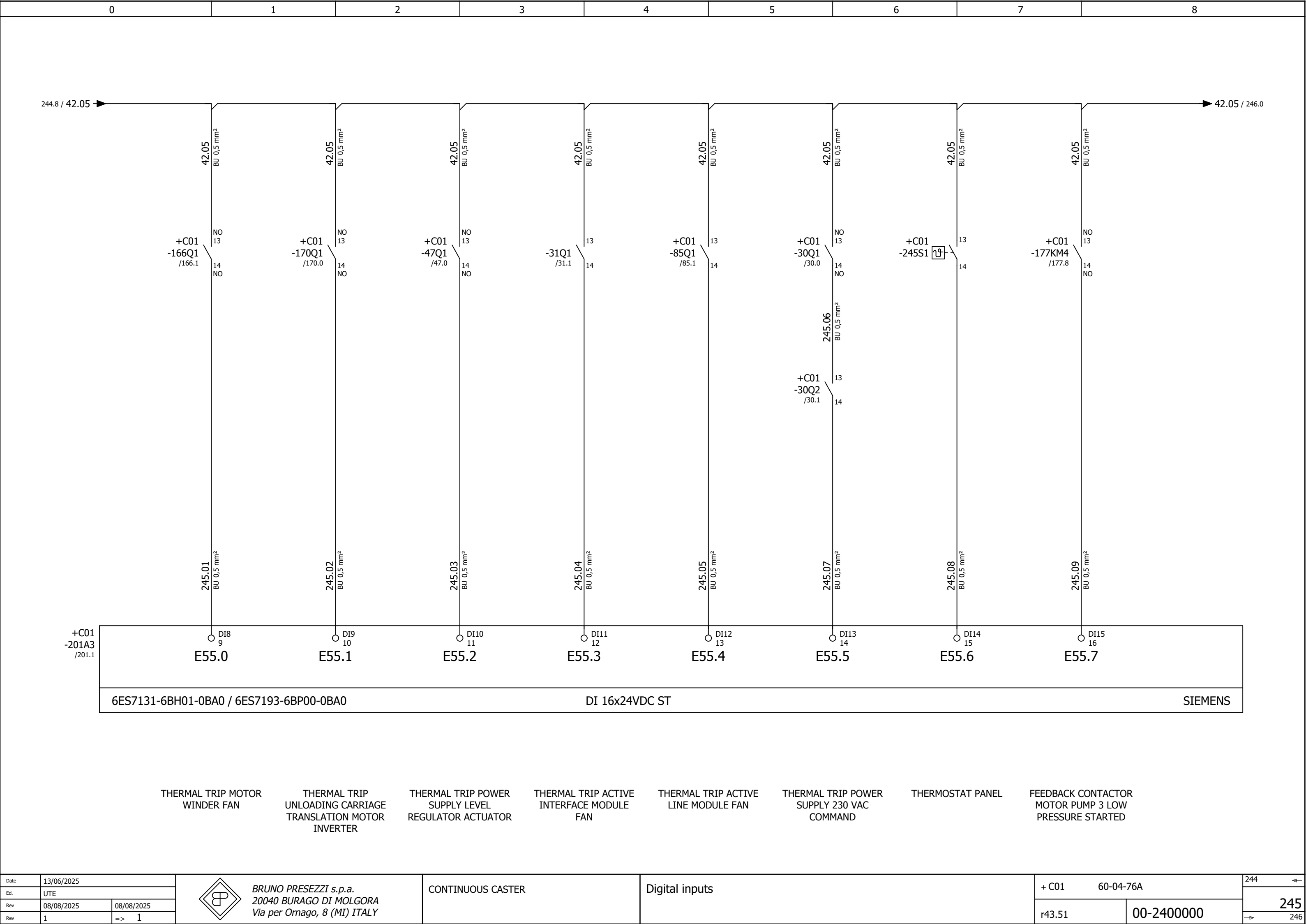












42.05

BU 0,5 mm²

-31Q1

/31.1

13

14

245.04

BU 0,5 mm²

DI11

12

E55.3

42.05

BU 0,5 mm²

+C01

-85Q1

/85.1

13

14

245.05

BU 0,5 mm²

DI12

13

E55.4

42.05

BU 0,5 mm²

+C01

-30Q1

/30.0

NO

13

14

NO

245.06

BU 0,5 mm²

DI13

14

E55.5

42.05

BU 0,5 mm²

+C01

-245S1

NO

13

14

245.07

BU 0,5 mm²

DI14

15

E55.6

42.05

BU 0,5 mm²

+C01

-177KM4

/177.8

NO

13

14

NO

245.09

BU 0,5 mm²

DI15

16

E55.7

+C01

-201A3

/201.1

6ES7131-6BH01-0BA0 / 6ES7193-6BP00-0BA0

DI 16x24VDC ST

SIEMENS

THERMAL TRIP MOTOR
WINDER FAN

THERMAL TRIP
UNLOADING CARRIAGE
TRANSLATION MOTOR
INVERTER

THERMAL TRIP POWER
SUPPLY LEVEL
REGULATOR ACTUATOR

THERMAL TRIP ACTIVE
INTERFACE MODULE
FAN

THERMAL TRIP ACTIVE
LINE MODULE FAN

THERMAL TRIP POWER
SUPPLY 230 VAC
COMMAND

THERMOSTAT PANEL

FEEDBACK CONTACTOR
MOTOR PUMP 3 LOW
PRESSURE STARTED

Date

13/06/2025

Ed.

UTE

Rev

08/08/2025

08/08/2025

Rev

1

=> 1

BRUNO PRESEZZI s.p.a.

20040 BURAGO DI MOLGORA

Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ C01

60-04-76A

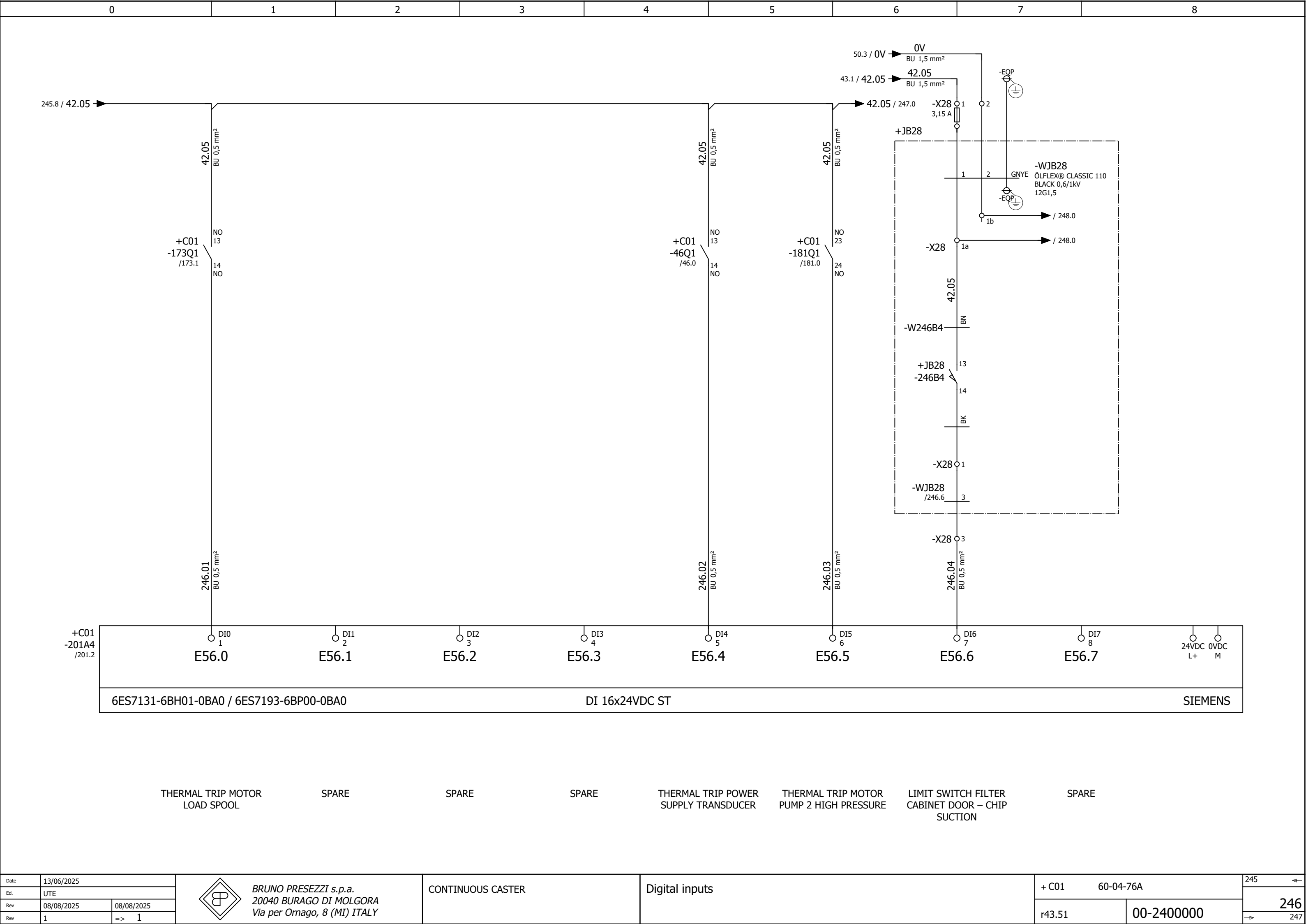
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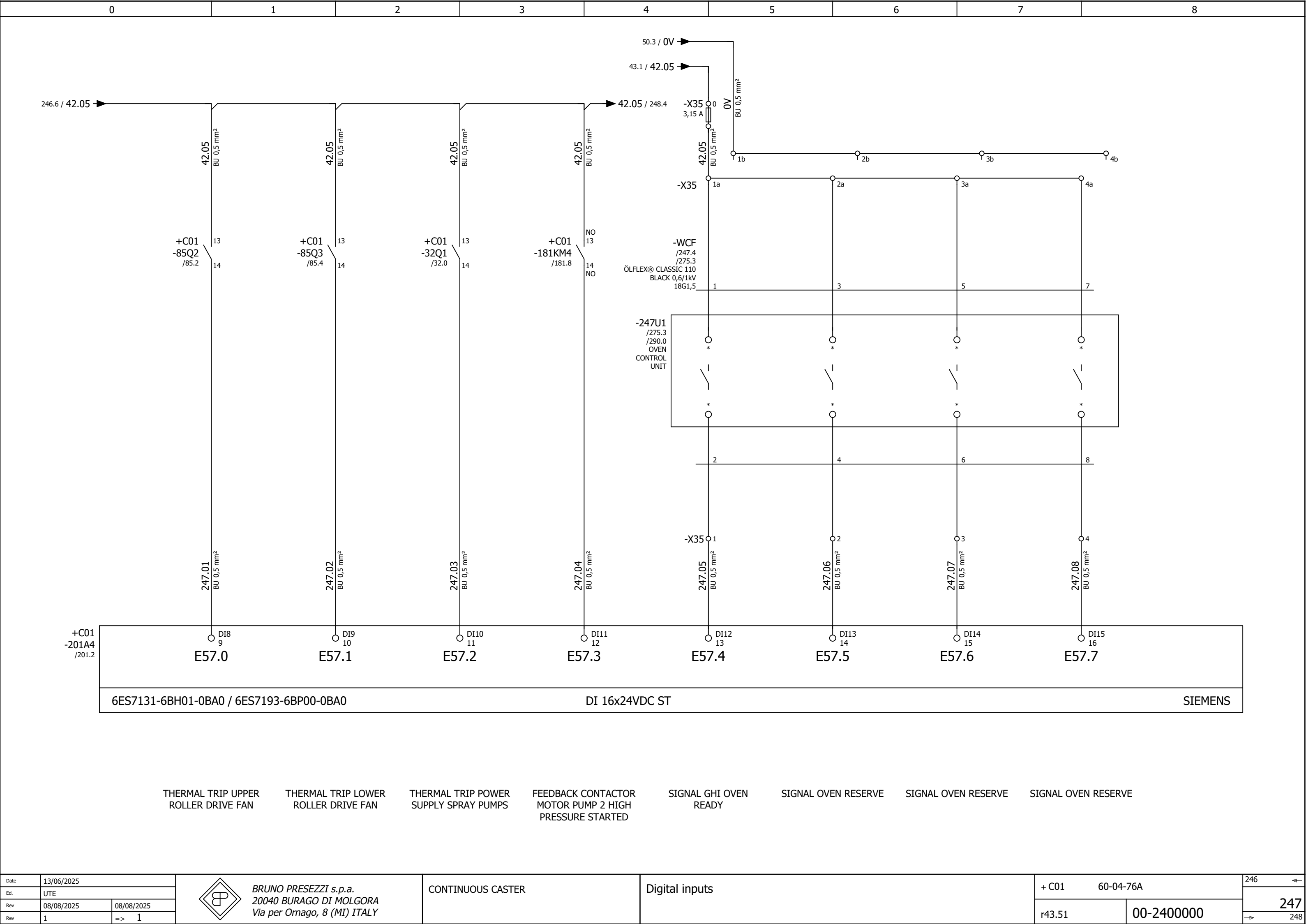
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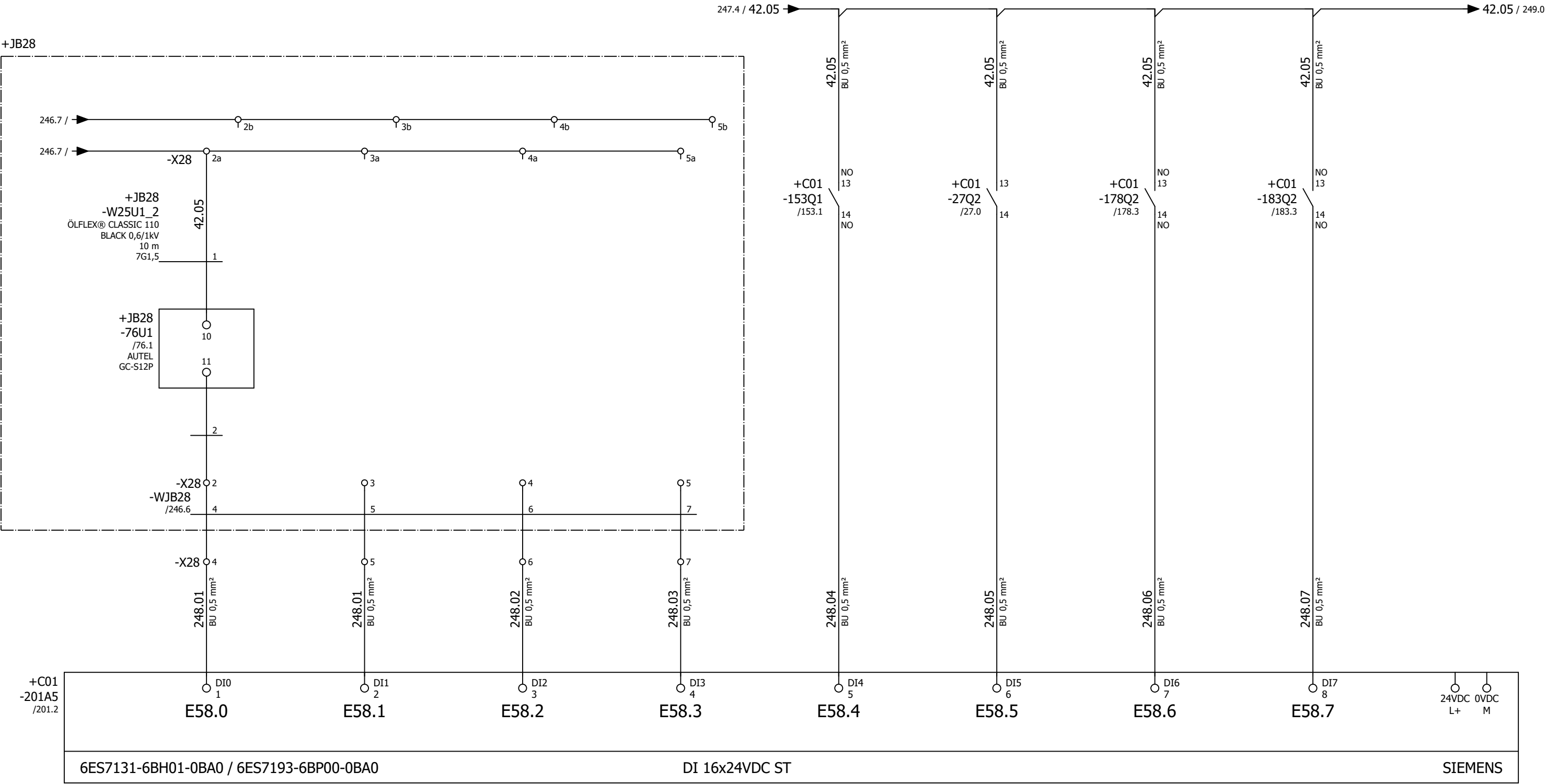
244

245

246







FILTER SYSTEM OK

SIGNAL 1 FROM
EXTRACTOR CONTROL
UNIT

SIGNAL 2 FROM
EXTRACTOR CONTROL
UNIT

SIGNAL 3 FROM
EXTRACTOR CONTROL
UNIT

THERMAL TRIP MOTOR
CHIP BLOWER

THERMAL TRIP UPS
OUTPUT

THERMAL TRIP MOTOR
PUMP HIGH PRESSURE
RECIRCULATION

THERMAL TRIP MOTOR
PUMP LOW PRESSURE
RECIRCULATION

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ C01 60-04-76A

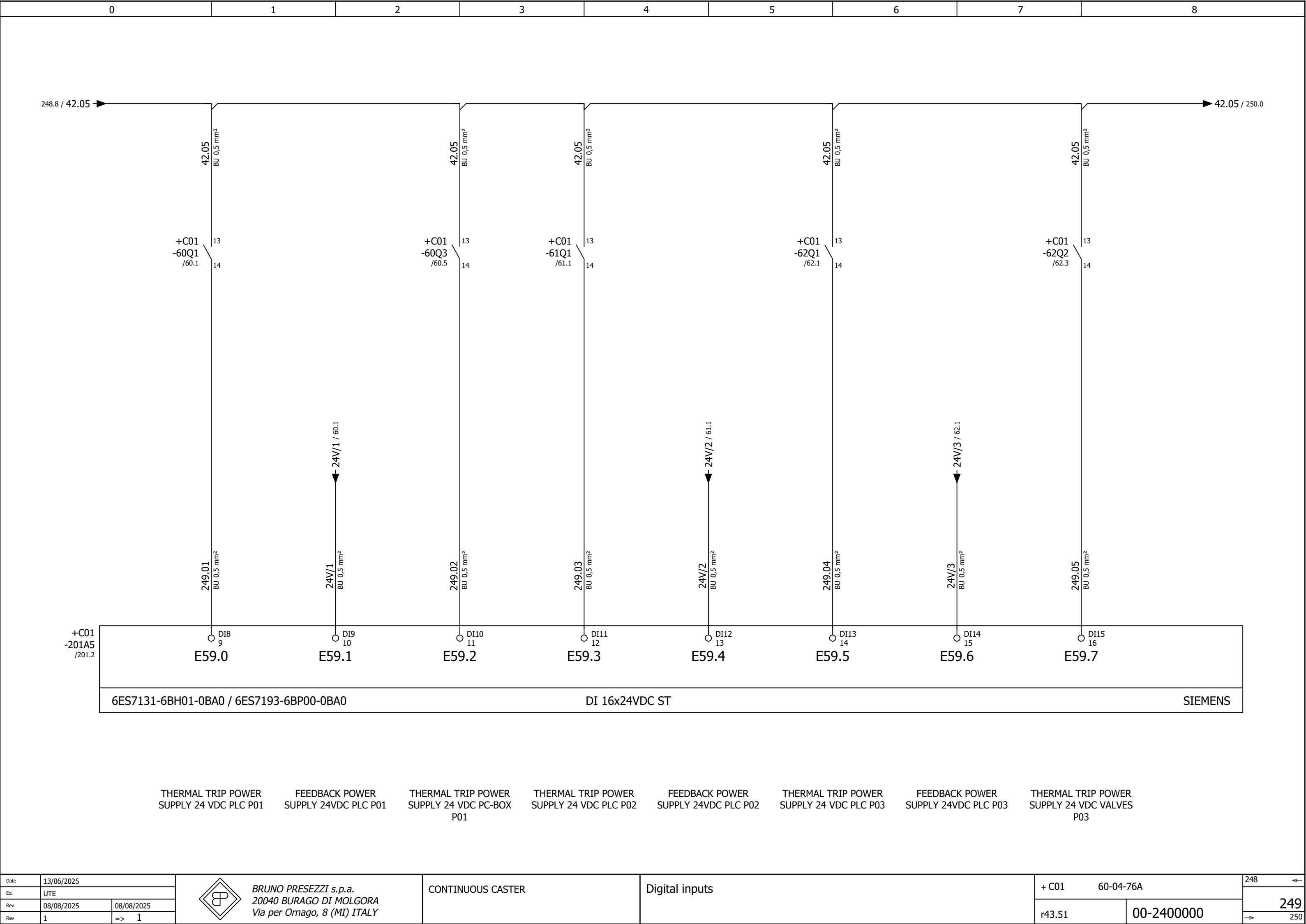
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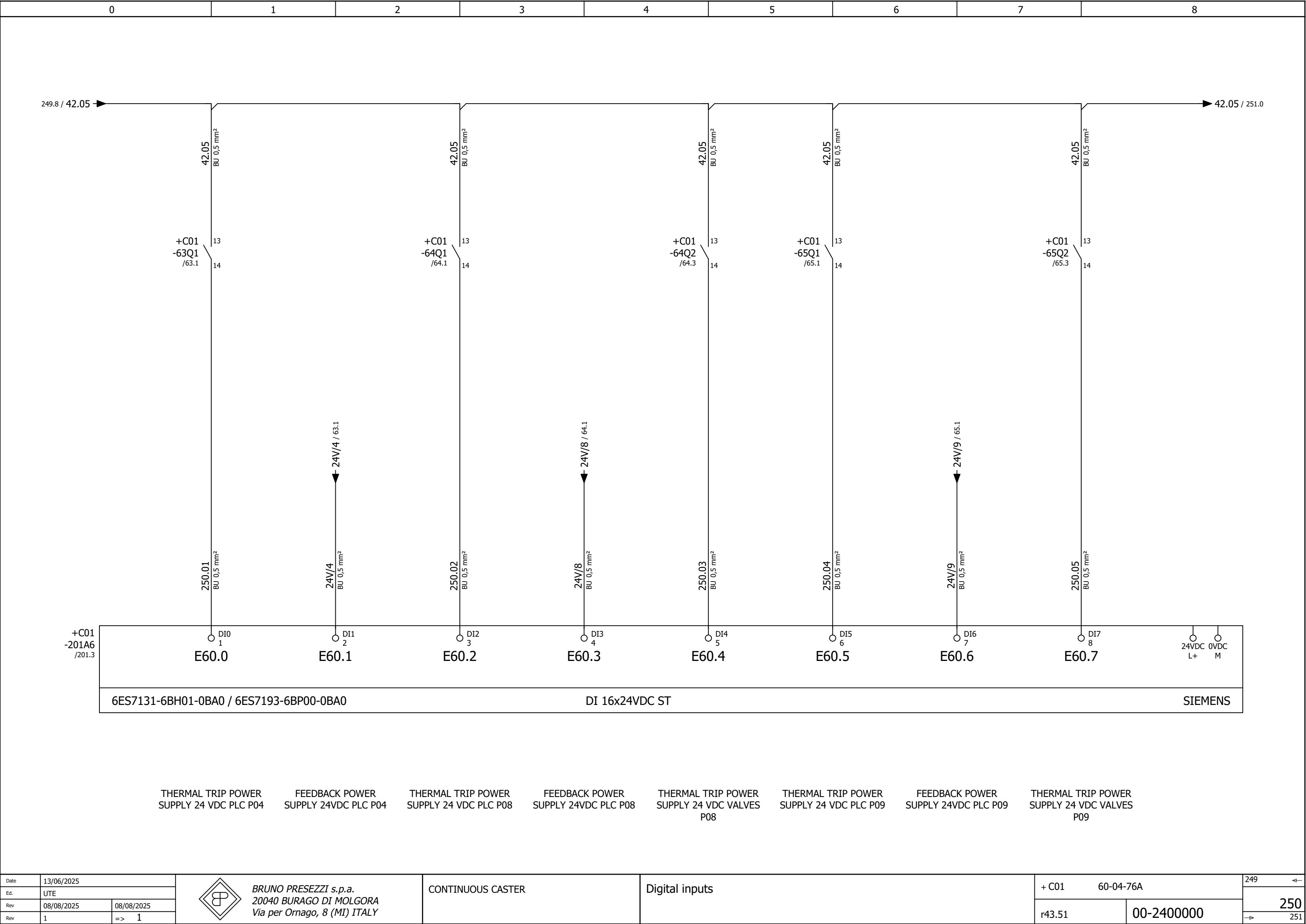
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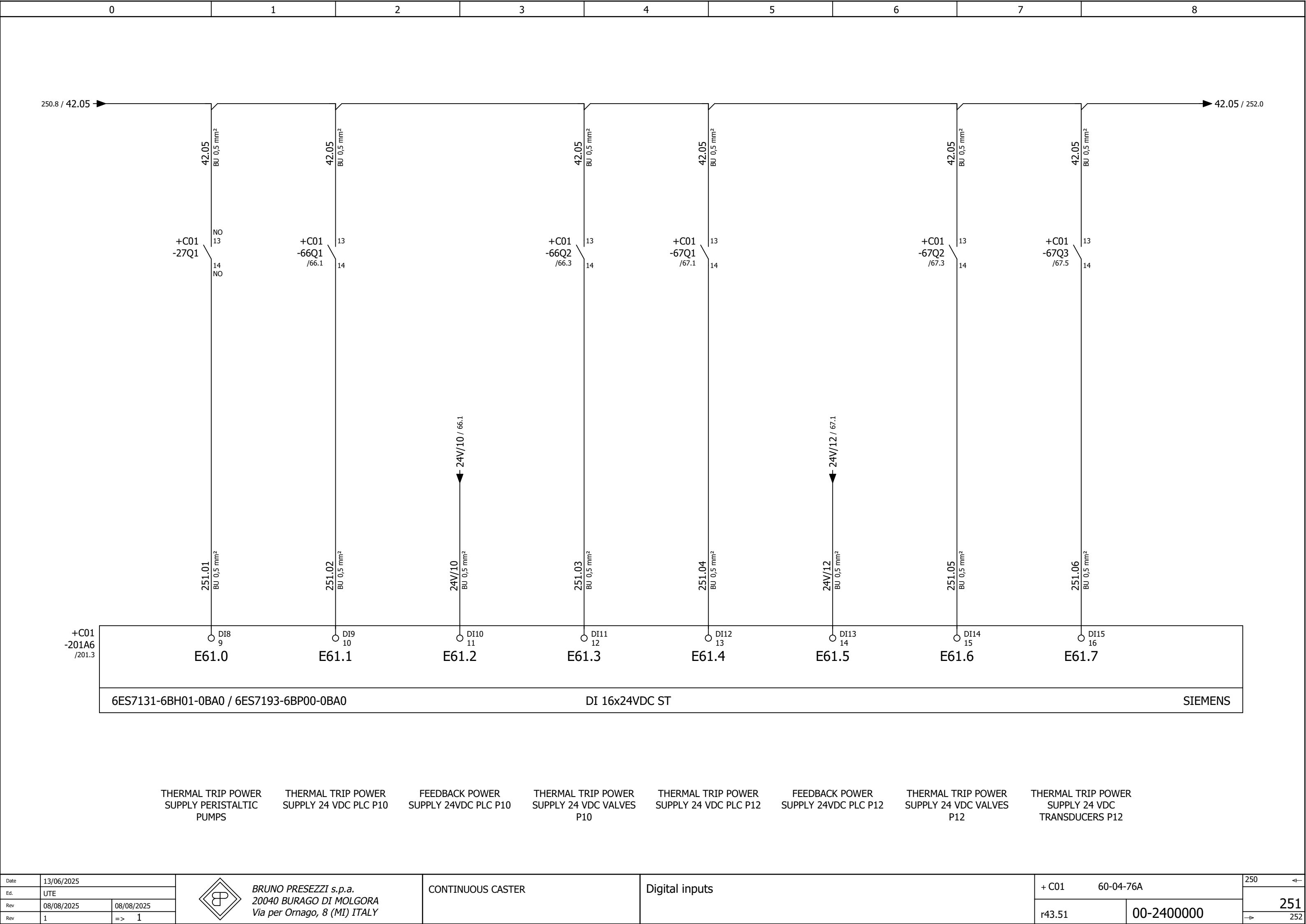
247

248

249







24V/10

BU 0,5 mm²

24V/10 / 66.1

24V/10

BU 0,5 mm²

DI10

11

E61.2

42.05

BU 0,5 mm²

+C01

-66Q2

13

14

251.03

BU 0,5 mm²

DI11

12

E61.3

42.05

BU 0,5 mm²

+C01

-67Q1

13

14

251.04

BU 0,5 mm²

DI12

13

E61.4

24V/12

BU 0,5 mm²

24V/12 / 67.1

24V/12

BU 0,5 mm²

DI13

14

E61.5

42.05

BU 0,5 mm²

+C01

-67Q2

13

14

251.05

BU 0,5 mm²

DI14

15

E61.6

42.05

BU 0,5 mm²

+C01

-67Q3

13

14

251.06

BU 0,5 mm²

DI15

16

E61.7

+C01

-201A6

/201.3

DI8

9

E61.0

DI9

10

E61.1

DI10

11

E61.2

DI11

12

E61.3

DI12

13

E61.4

DI13

14

E61.5

DI14

15

E61.6

DI15

16

E61.7

6ES7131-6BH01-0BA0 / 6ES7193-6BP00-0BA0

DI 16x24VDC ST

SIEMENS

THERMAL TRIP POWER
SUPPLY PERISTALTIC
PUMPS

THERMAL TRIP POWER
SUPPLY 24 VDC PLC P10

FEEDBACK POWER
SUPPLY 24VDC PLC P10

THERMAL TRIP POWER
SUPPLY 24 VDC VALVES
P10

THERMAL TRIP POWER
SUPPLY 24 VDC PLC P12

FEEDBACK POWER
SUPPLY 24VDC PLC P12

THERMAL TRIP POWER
SUPPLY 24 VDC VALVES
P12

THERMAL TRIP POWER
SUPPLY 24 VDC
TRANSDUCERS P12

Date

13/06/2025

Ed.

UTE

Rev

08/08/2025

08/08/2025

Rev

1

=> 1

BRUNO PRESEZZI s.p.a.

20040 BURAGO DI MOLGORA

Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ C01

60-04-76A

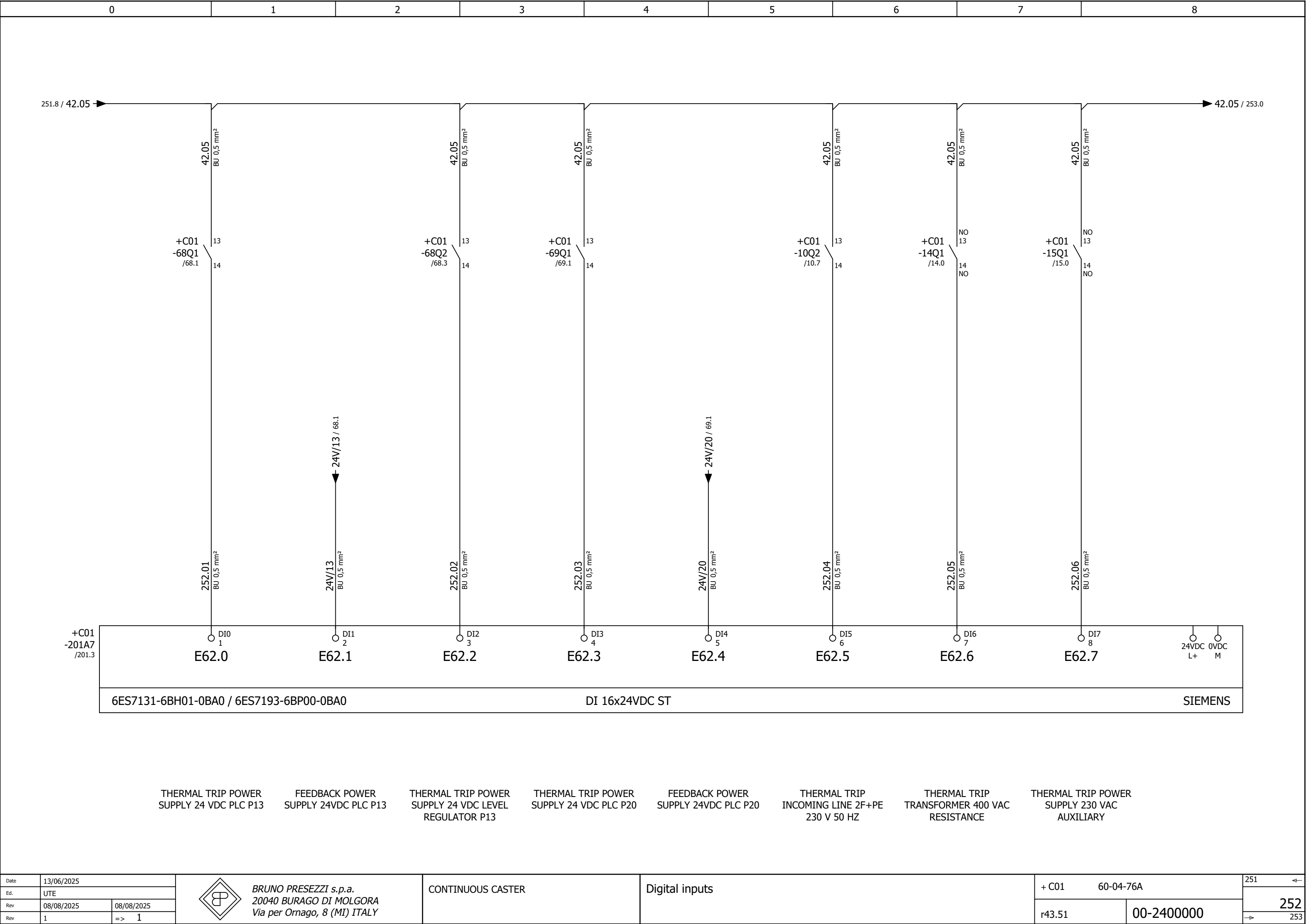
r43.51

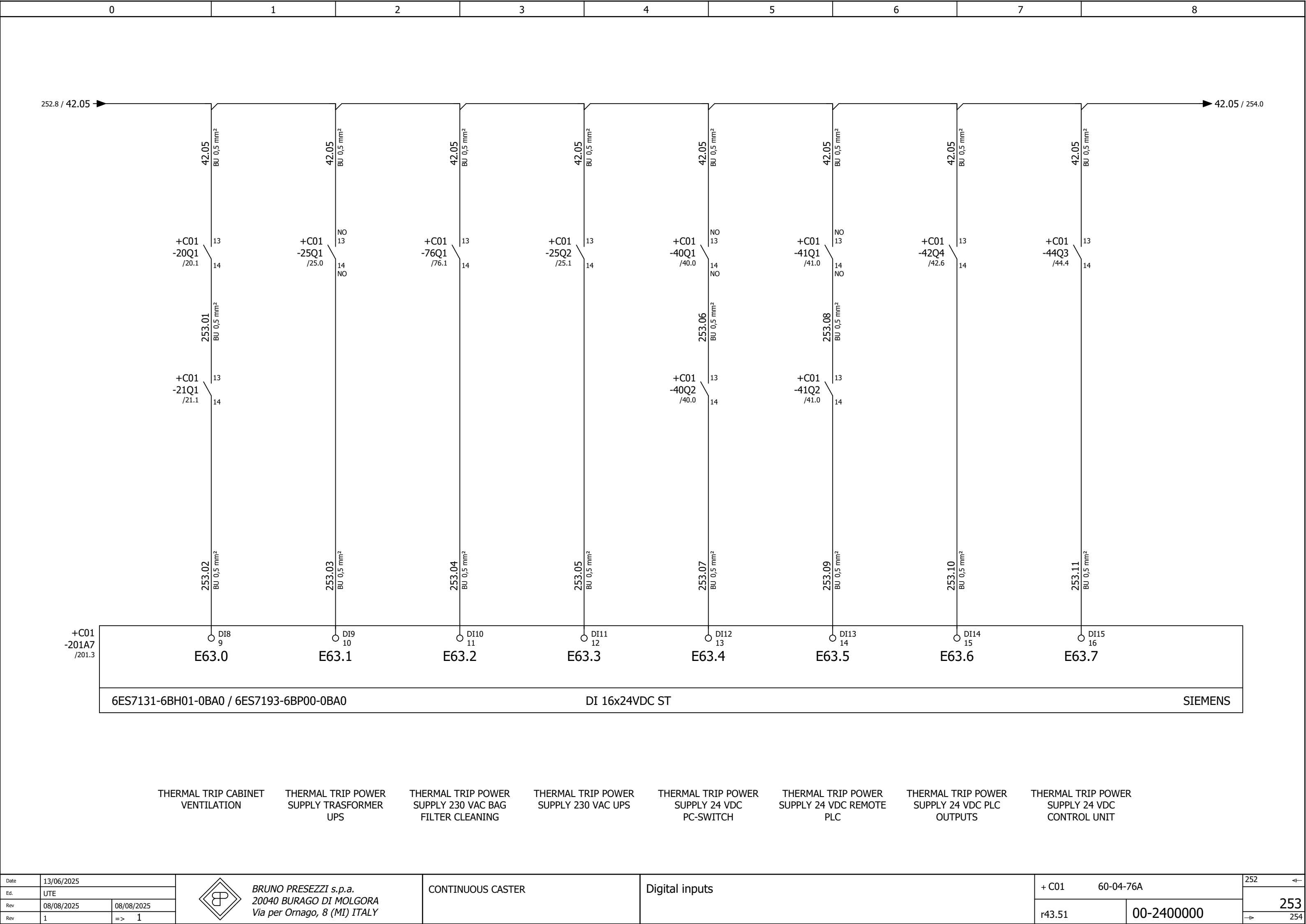
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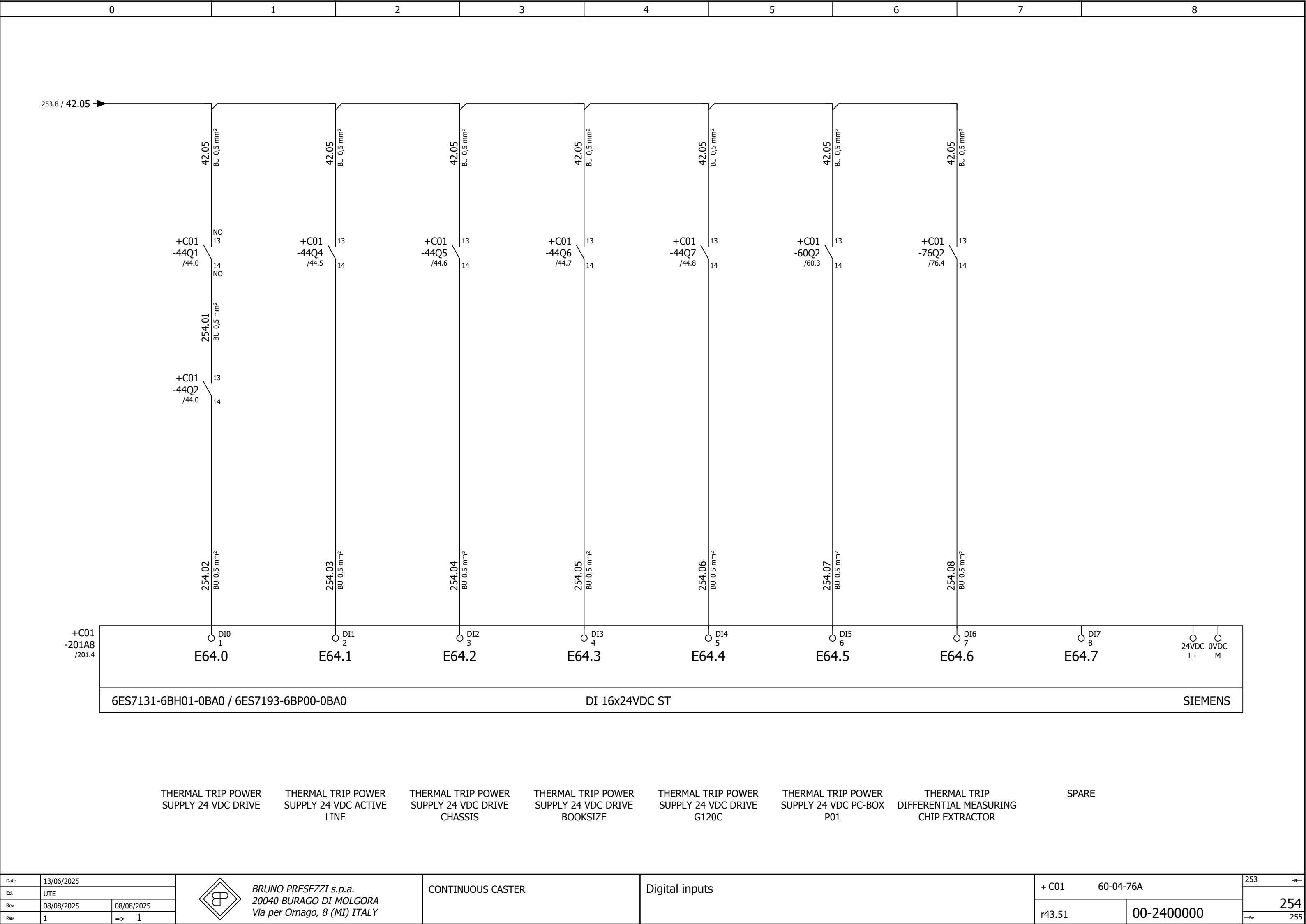
250

251

252







42.05

BU 0,5 mm²

+C01

-60Q2

/60.3

254.07

BU 0,5 mm²

42.05

BU 0,5 mm²

+C01

-76Q2

/76.4

254.08

BU 0,5 mm²

+C01

-201A8

/201.4

DI0

1

E64.0

DI1

2

E64.1

DI2

3

E64.2

DI3

4

E64.3

DI4

5

E64.4

DI5

6

E64.5

DI6

7

E64.6

DI7

8

E64.7

24VDC

L+

0VDC

M

6ES7131-6BH01-0BA0 / 6ES7193-6BP00-0BA0

DI 16x24VDC ST

SIEMENS

THERMAL TRIP POWER
SUPPLY 24 VDC DRIVE

THERMAL TRIP POWER
SUPPLY 24 VDC ACTIVE
LINE

THERMAL TRIP POWER
SUPPLY 24 VDC DRIVE
CHASSIS

THERMAL TRIP POWER
SUPPLY 24 VDC DRIVE
BOOKSIZE

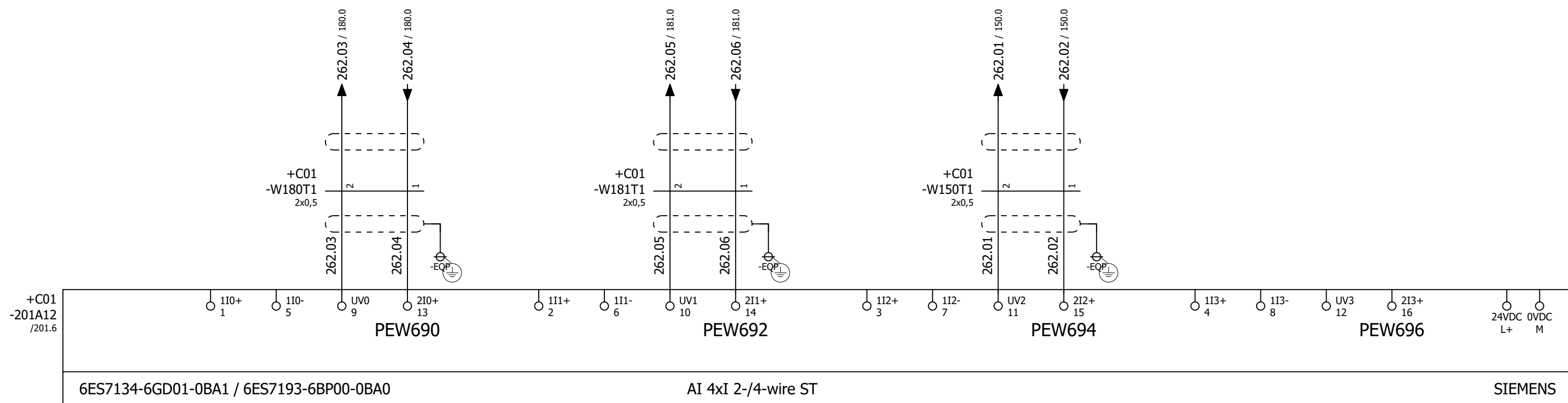
THERMAL TRIP POWER
SUPPLY 24 VDC DRIVE
G120C

THERMAL TRIP POWER
SUPPLY 24 VDC PC-BOX
P01

THERMAL TRIP
DIFFERENTIAL MEASURING
CHIP EXTRACTOR

SPARE

Date	13/06/2025		<div><div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Digital inputs	+ C01 60-04-76A		253
Ed.	UTE					r43.51	00-2400000	254
Rev	08/08/2025	08/08/2025						255
Rev	1	=> 1						



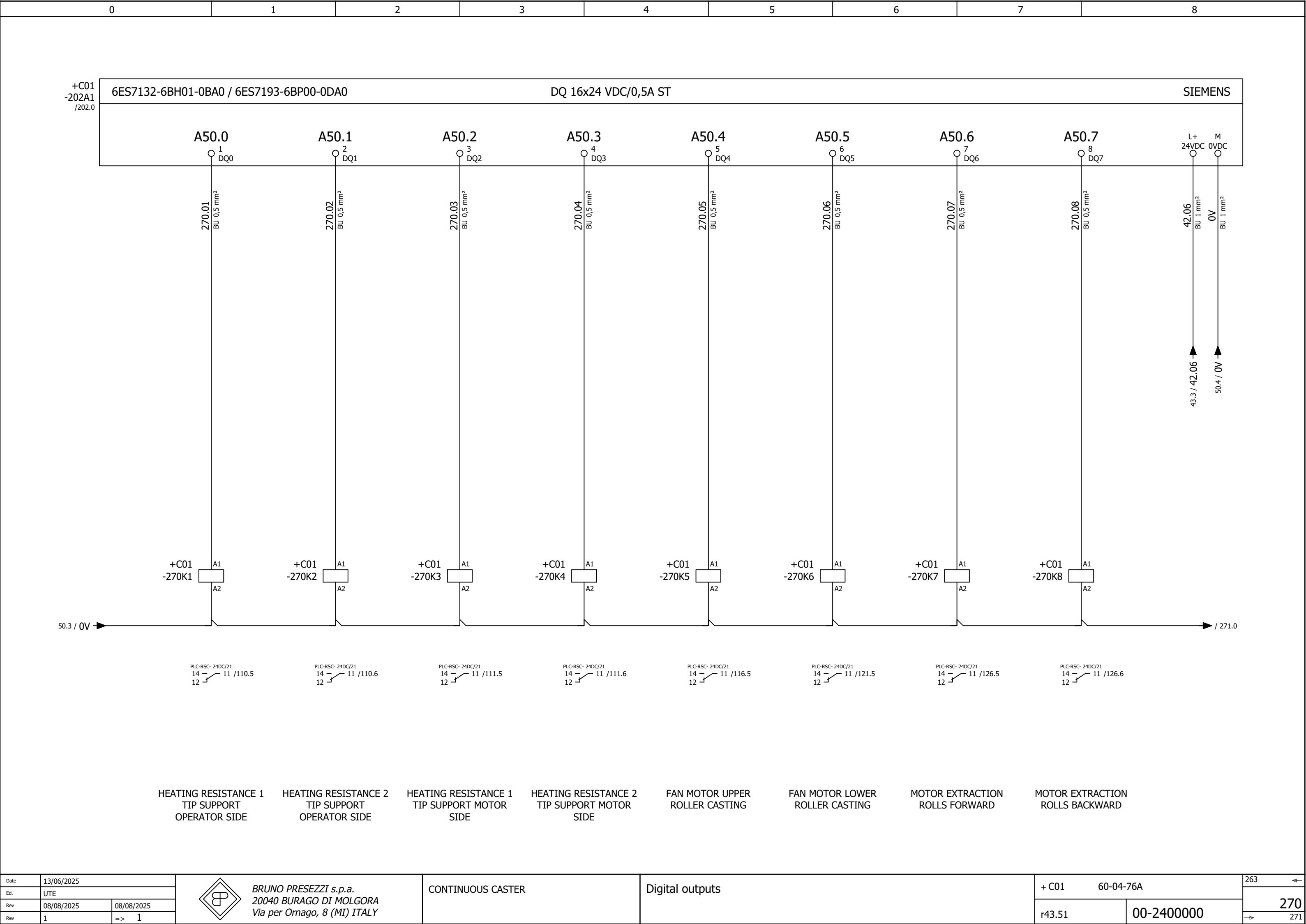
MOTOR PUMP 1 HIGH
PRESSURE CONSUMPTION

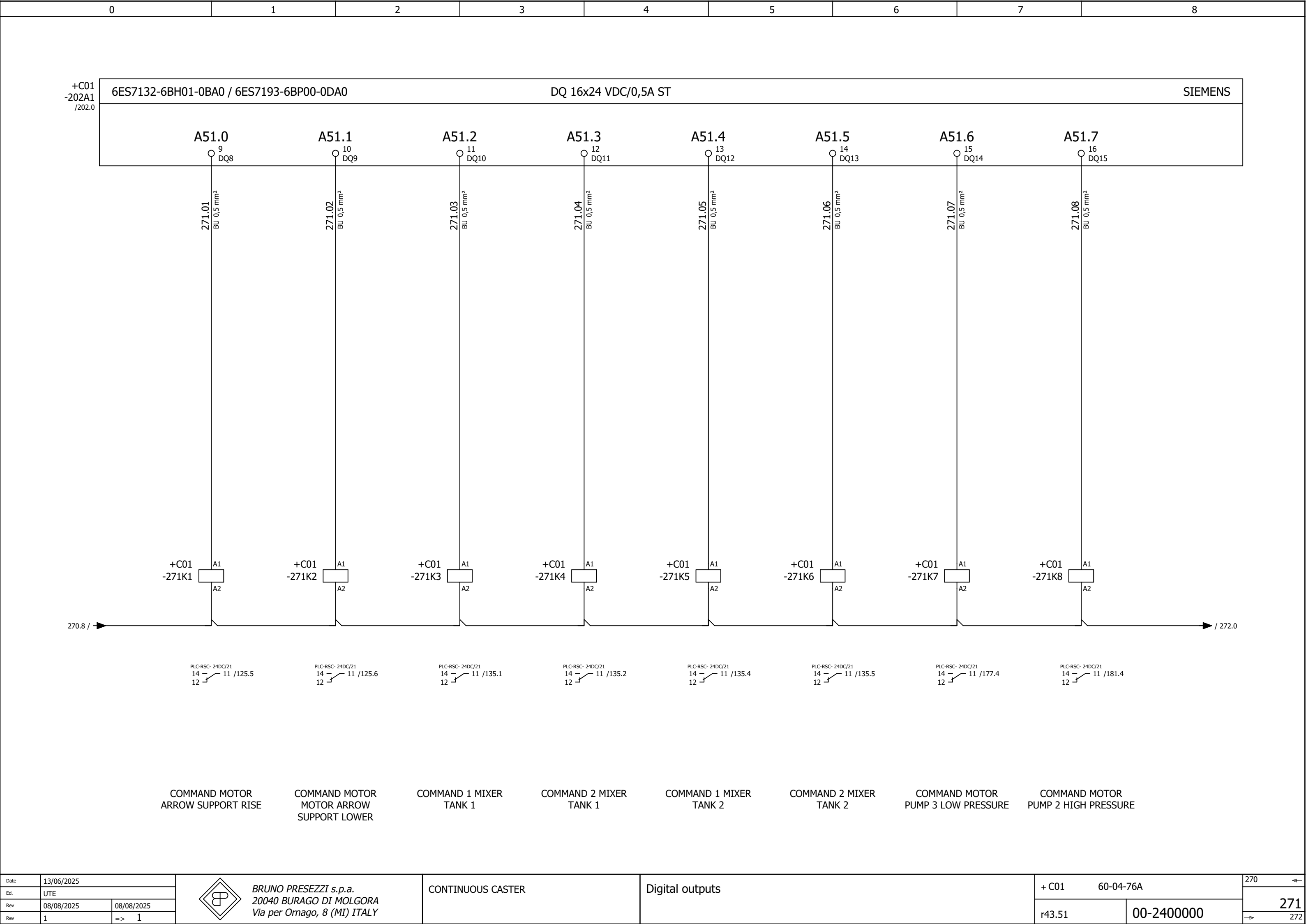
MOTOR PUMP 2 HIGH
PRESSURE
CONSUMPTION

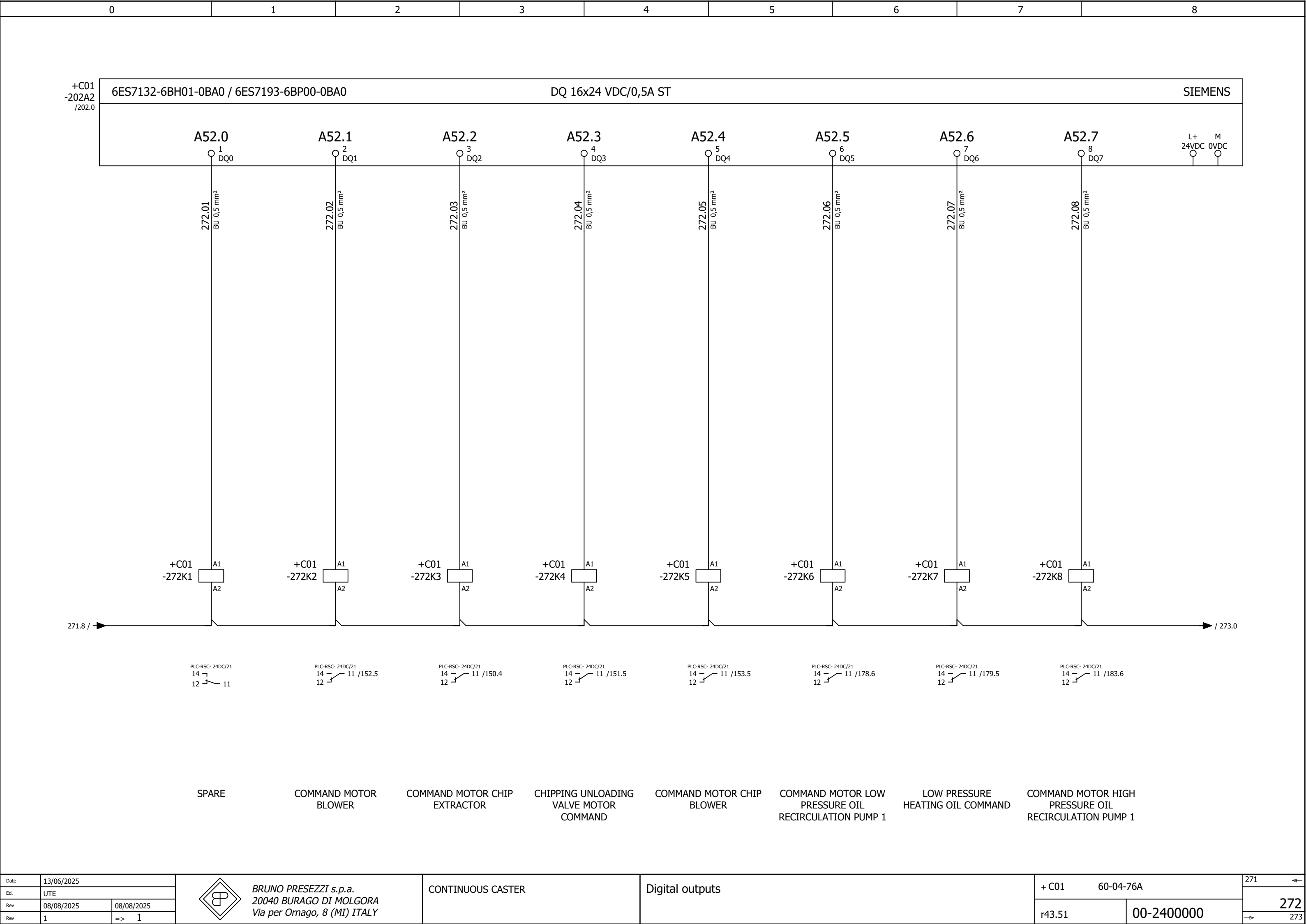
CHIP EXTRACTOR MOTOR CONSUMPTION

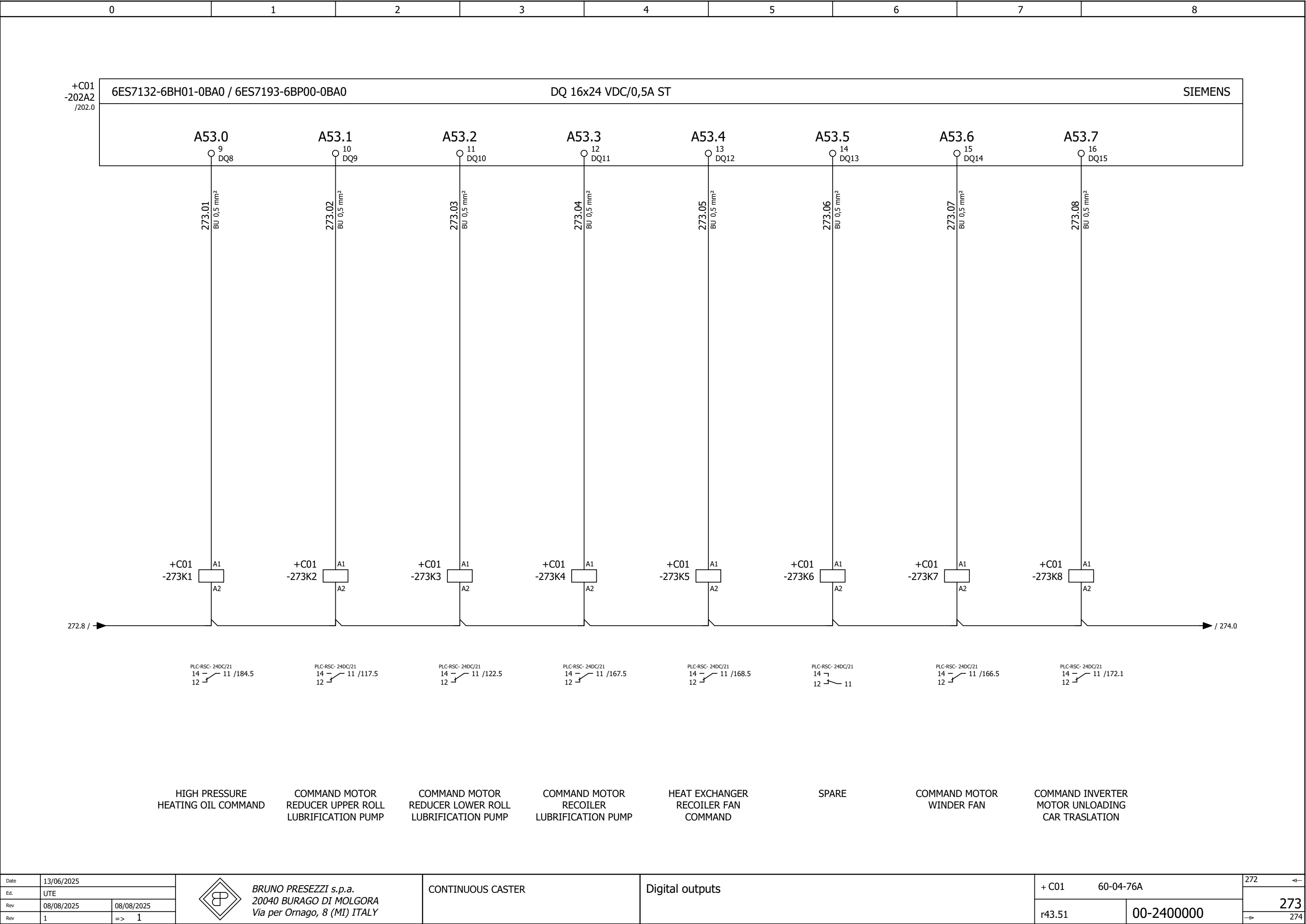
SPARE

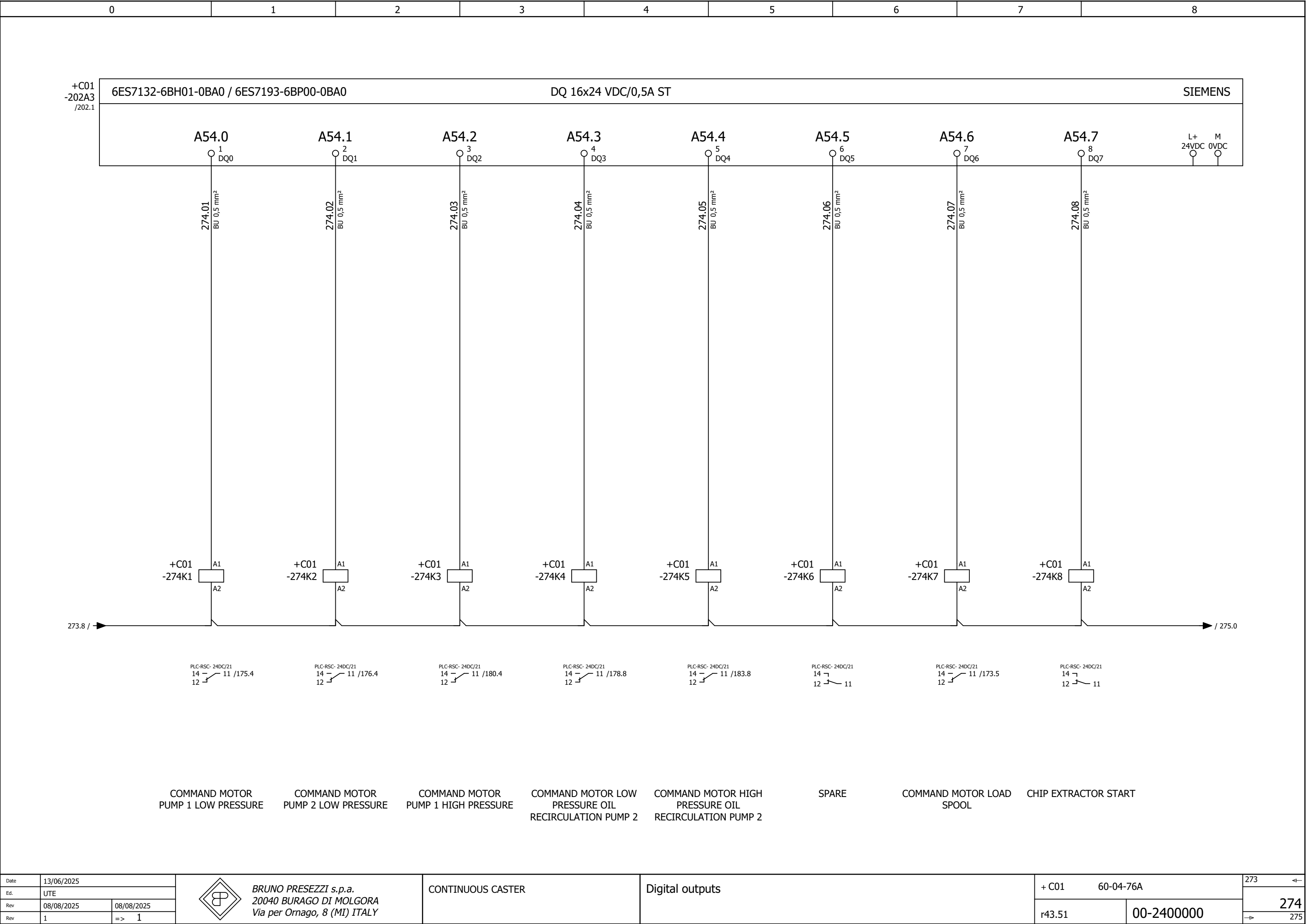
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+C01 -201A13 /201.7		<div><div><div><div><div>1I0+</div><div>1</div></div><div><div>1I0-</div><div>5</div></div><div><div>UV0</div><div>9</div></div><div><div>2I0+</div><div>13</div></div><div><div>1I1+</div><div>2</div></div><div><div>1I1-</div><div>6</div></div><div><div>UV1</div><div>10</div></div><div><div>2I1+</div><div>14</div></div><div><div>1I2+</div><div>3</div></div><div><div>1I2-</div><div>7</div></div><div><div>UV2</div><div>11</div></div><div><div>2I2+</div><div>15</div></div><div><div>1I3+</div><div>4</div></div><div><div>1I3-</div><div>8</div></div><div><div>UV3</div><div>12</div></div><div><div>2I3+</div><div>16</div></div><div><div>24VDC</div><div>L+</div></div><div><div>0VDC</div><div>M</div></div></div><div><div>PEW698</div><div>PEW700</div><div>PEW702</div><div>PEW704</div></div></div></div>																	
		6ES7134-6GD01-0BA1 / 6ES7193-6BP00-0BA0AI 4xI 2-/4-wire STSIEMENS																	
		SPARE				SPARE				SPARE				SPARE					
Date	13/06/2025		<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>				CONTINUOUS CASTER				Analog input				+ C0160-04-76A		262		←
Ed.	UTE																263		
Rev	08/08/2025	08/08/2025																	
Rev	1	=> 1															→ 270		

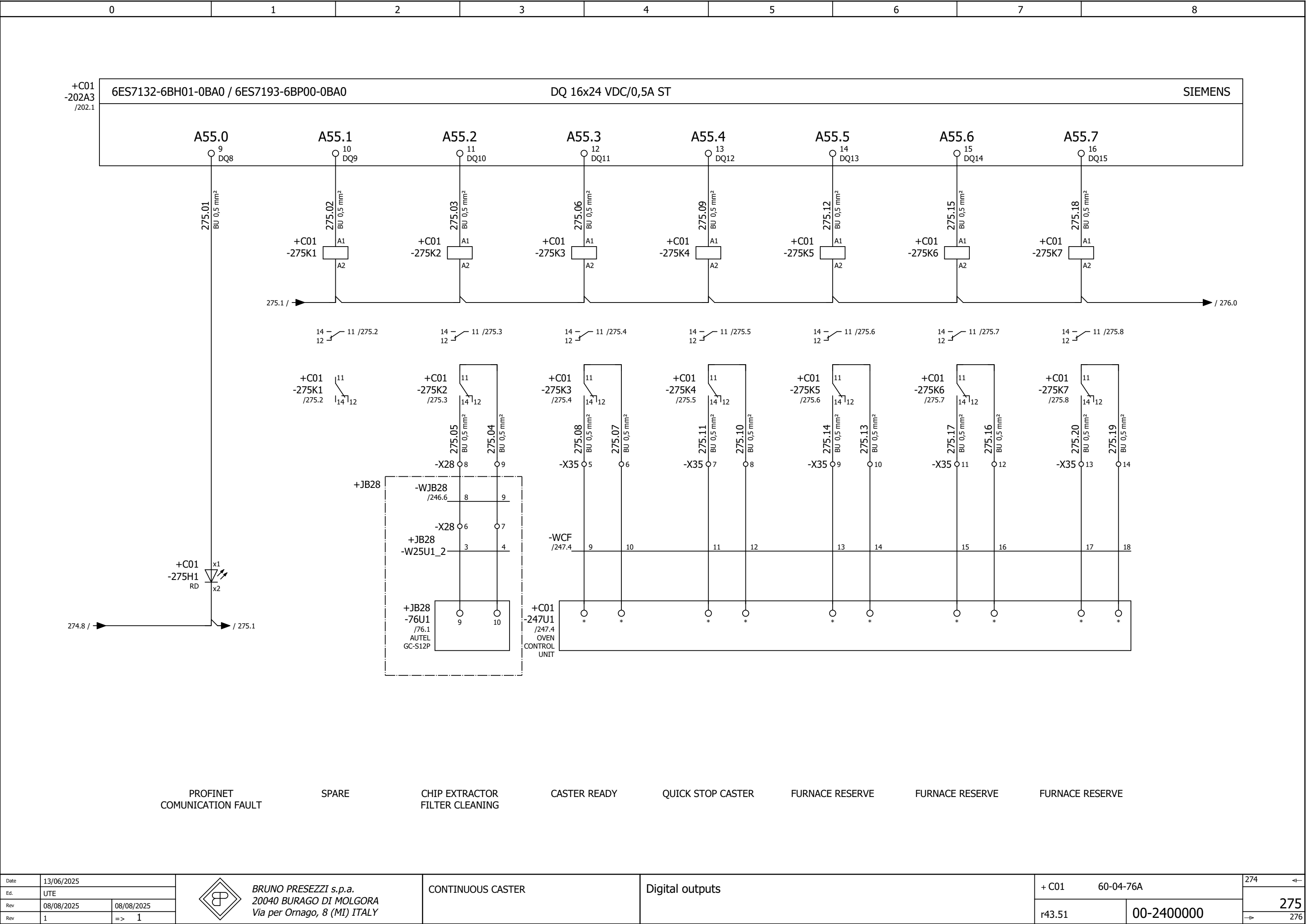


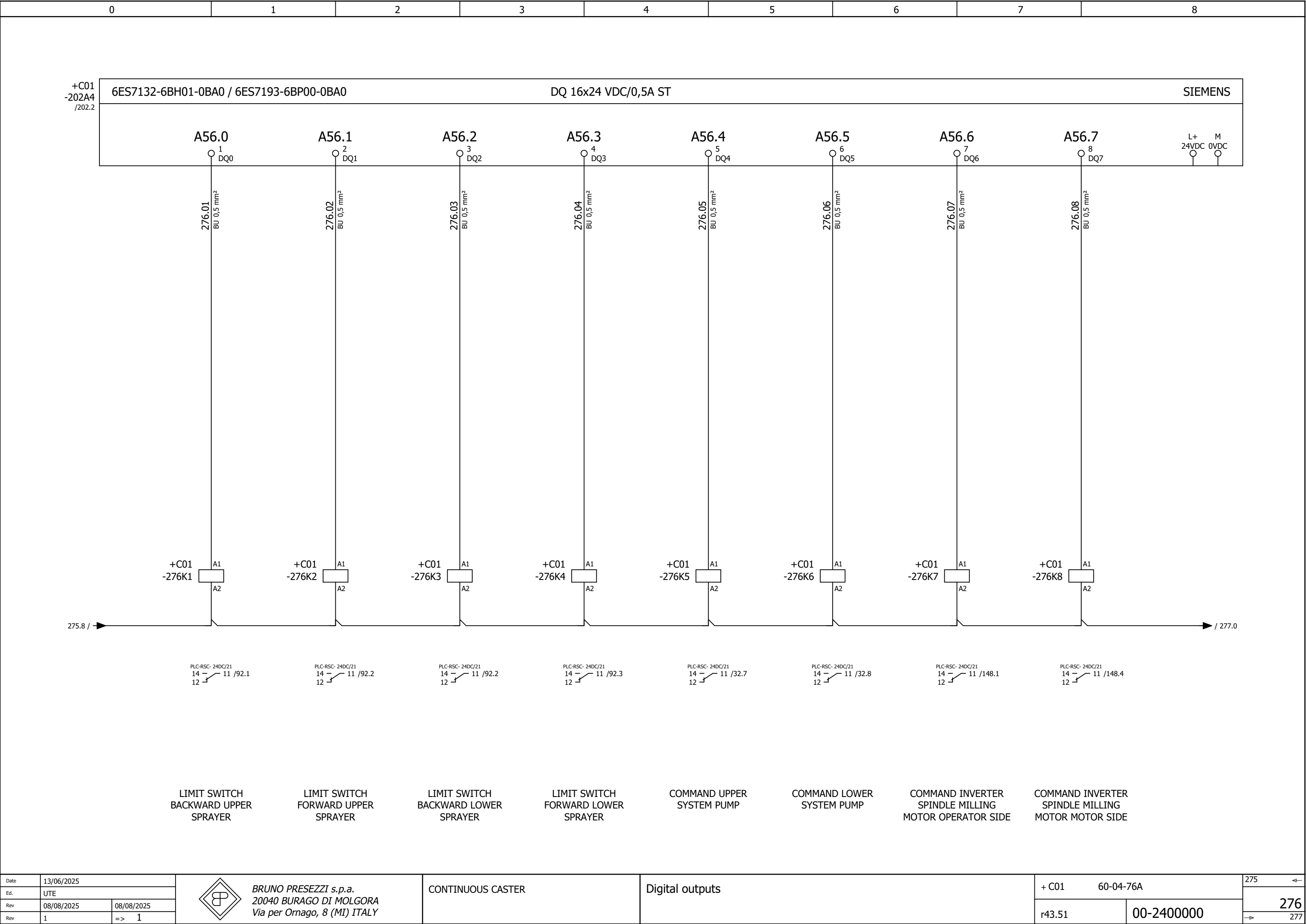


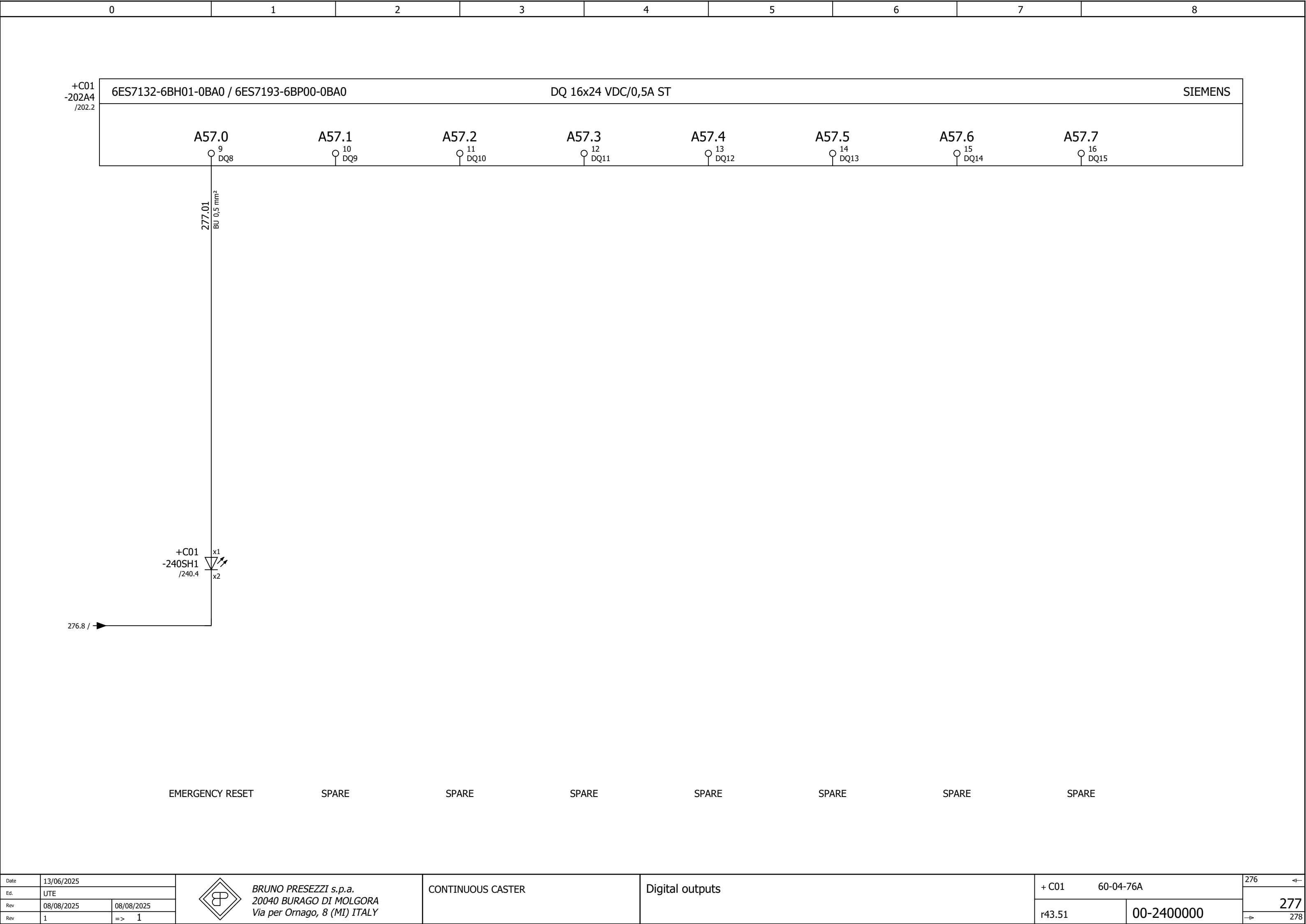








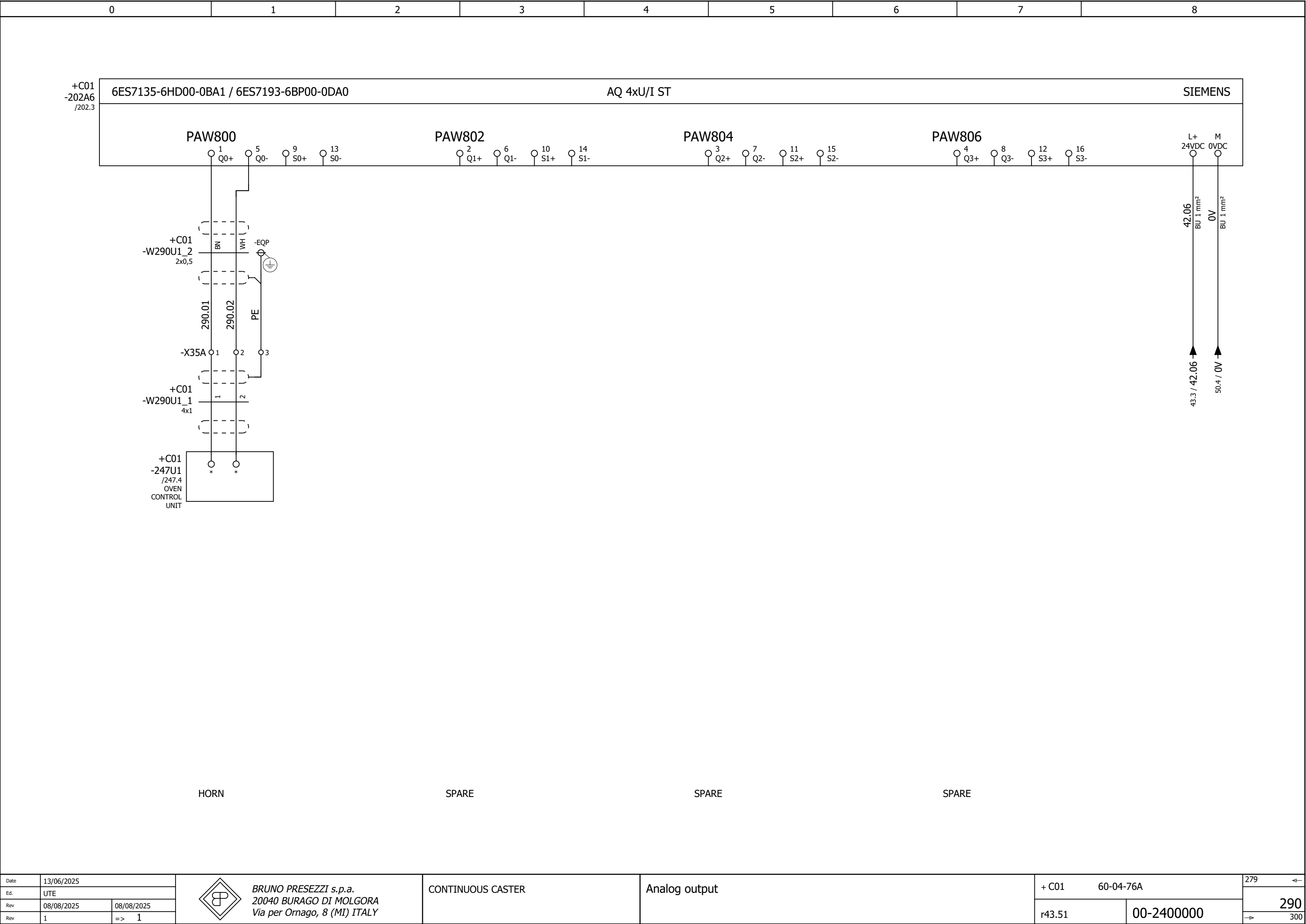


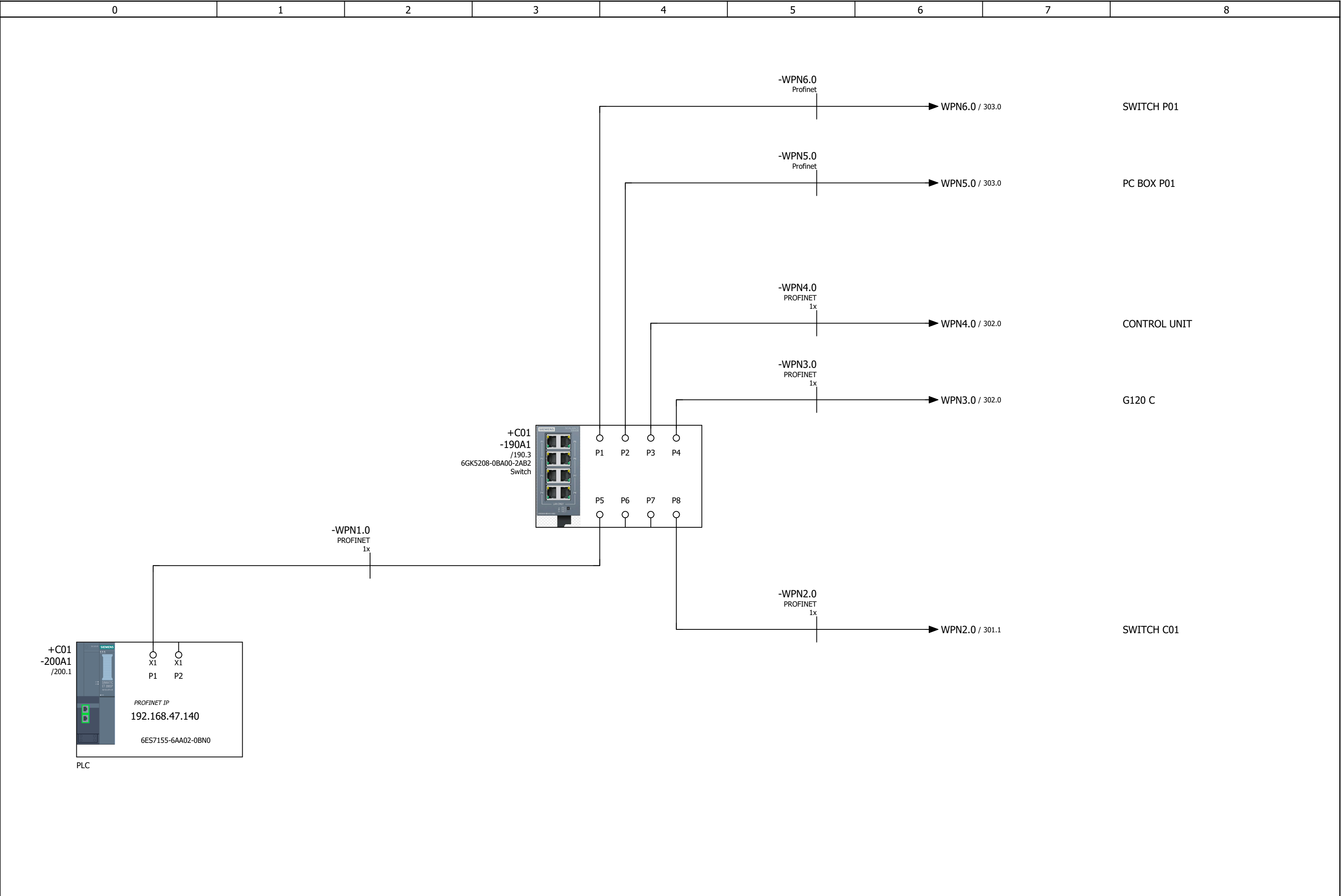


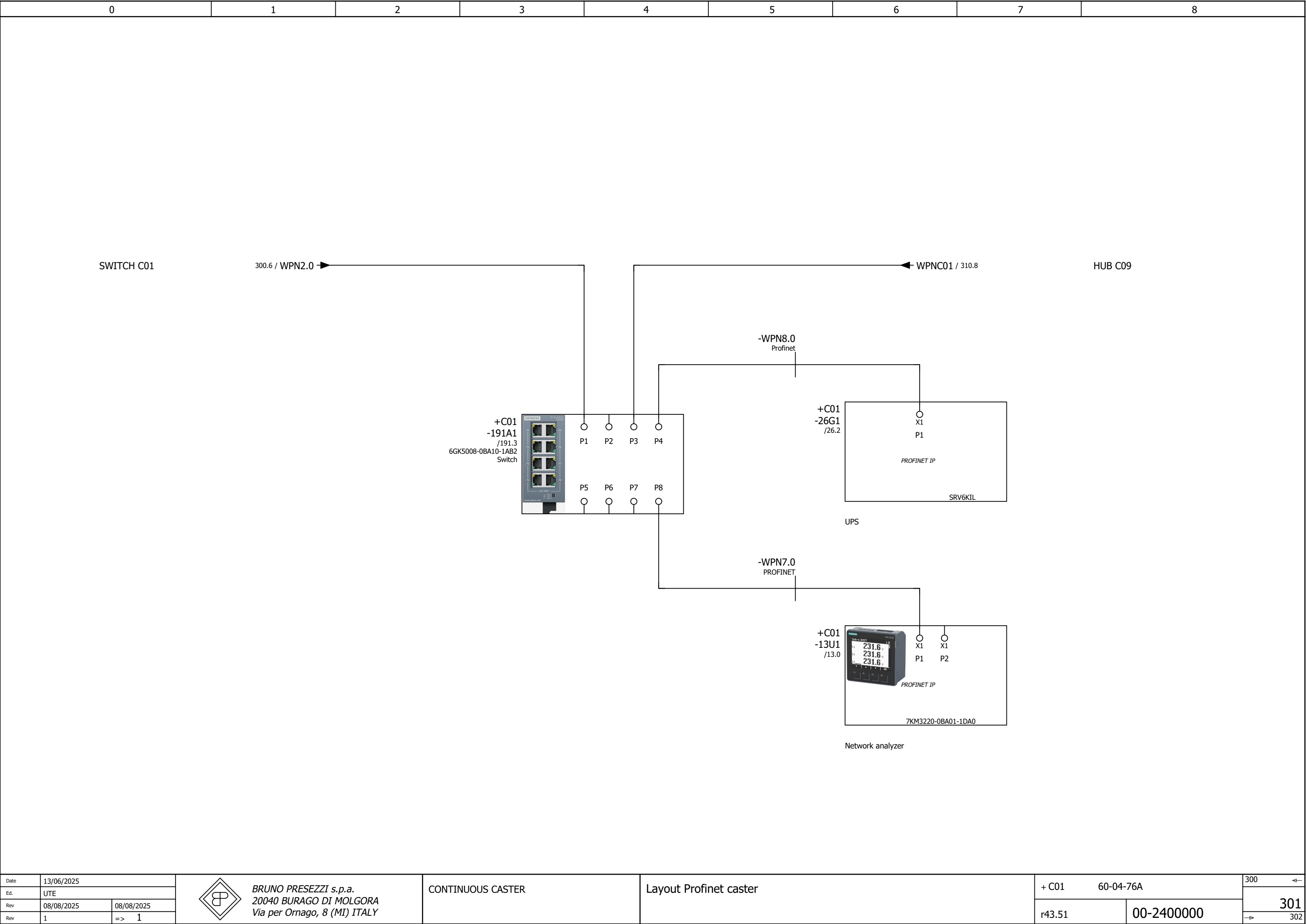
Date	13/06/2025		<div><div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Digital outputs	+ C01 60-04-76A		276	←
Ed.	UTE							277	
Rev	08/08/2025	08/08/2025							
Rev	1	=> 1							278
						r43.51	00-2400000		

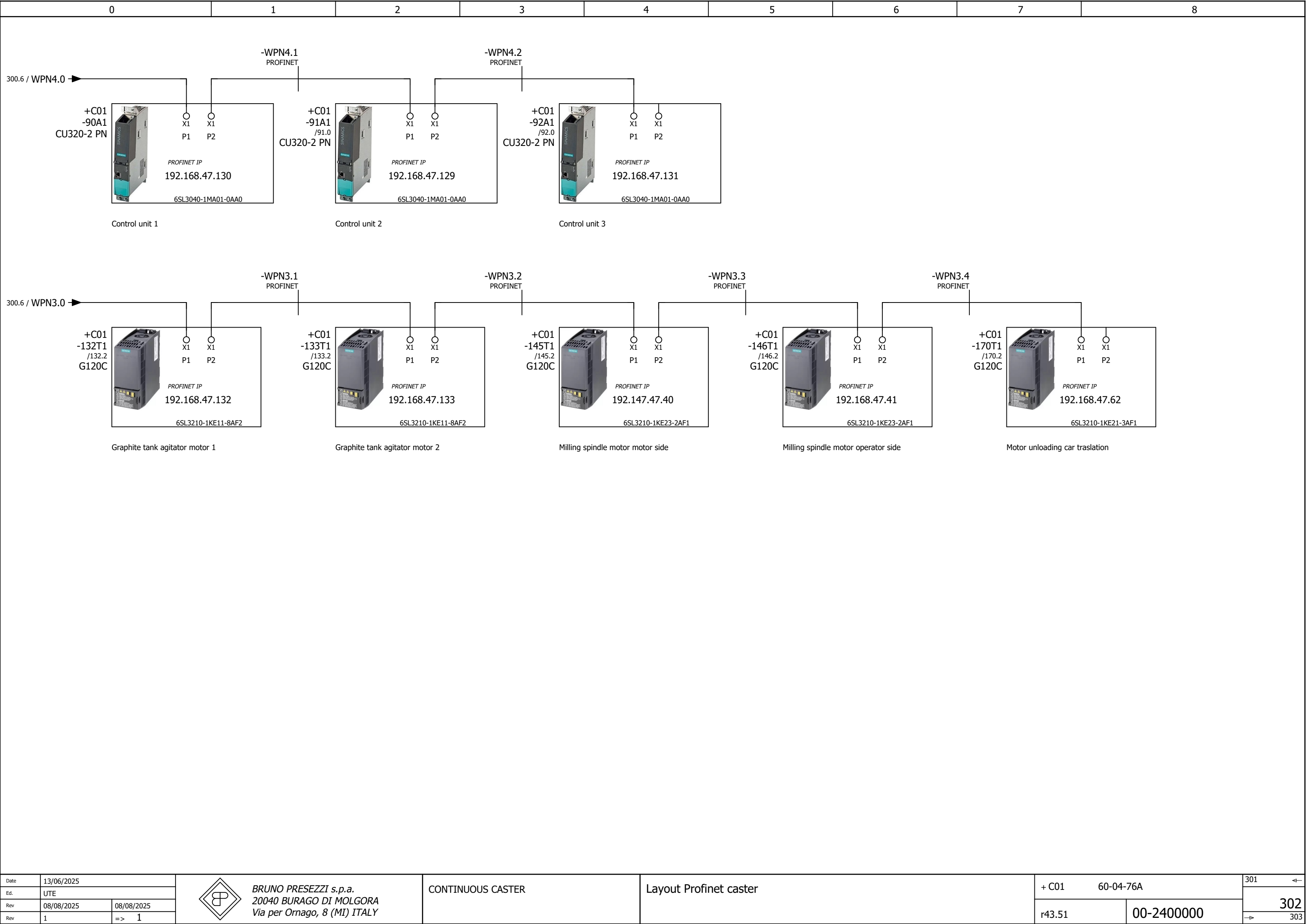
0		1		2		3		4		5		6		7		8					
+C01 -202A5 /202.2	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0																DQ 16x24 VDC/0,5A ST		SIEMENS		
	A58.0 1 DQ0		A58.1 2 DQ1		A58.2 3 DQ2		A58.3 4 DQ3		A58.4 5 DQ4		A58.5 6 DQ5		A58.6 7 DQ6		A58.7 8 DQ7		L+ 24VDC M 0VDC				
SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE					
Date	13/06/2025		<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>				CONTINUOUS CASTER				Digital outputs				+ C01		60-04-76A		277		←
Ed.	UTE																278				
Rev	08/08/2025	08/08/2025																			
Rev	1	=> 1													r43.51		00-2400000		→		279

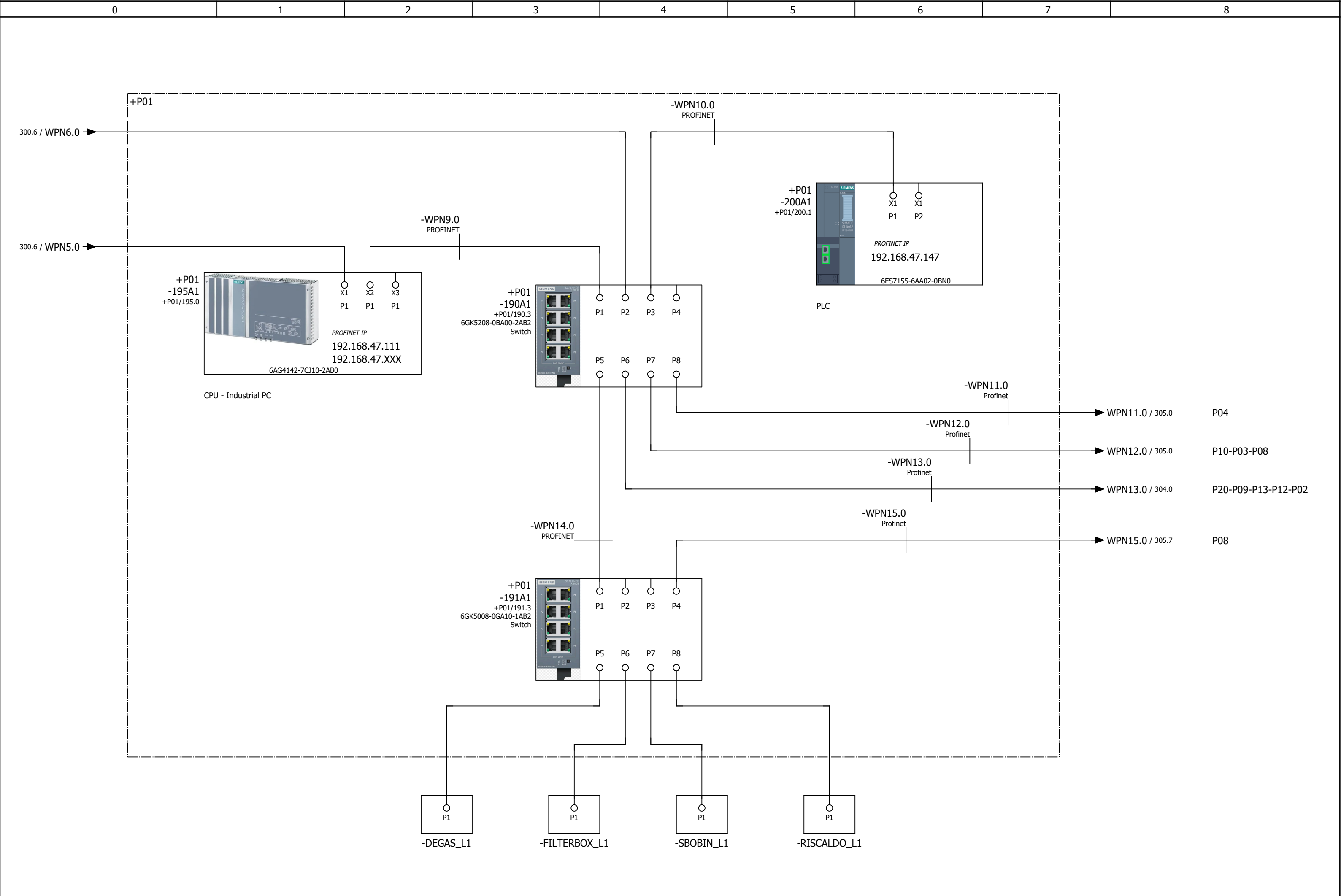
0		1		2		3		4		5		6		7		8			
+C01 -202A5 /202.2	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0								DQ 16x24 VDC/0,5A ST								SIEMENS		
	A59.0 <div><div>9</div>DQ8</div>		A59.1 <div><div>10</div>DQ9</div>		A59.2 <div><div>11</div>DQ10</div>		A59.3 <div><div>12</div>DQ11</div>		A59.4 <div><div>13</div>DQ12</div>		A59.5 <div><div>14</div>DQ13</div>		A59.6 <div><div>15</div>DQ14</div>		A59.7 <div><div>16</div>DQ15</div>				
SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE			
Date	13/06/2025			<div><div><div></div></div></div> <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>				CONTINUOUS CASTER				Digital outputs				+ C01 60-04-76A		278	←
Ed.	UTE																	279	
Rev	08/08/2025	08/08/2025																	
Rev	1	=> 1																r43.51	00-2400000

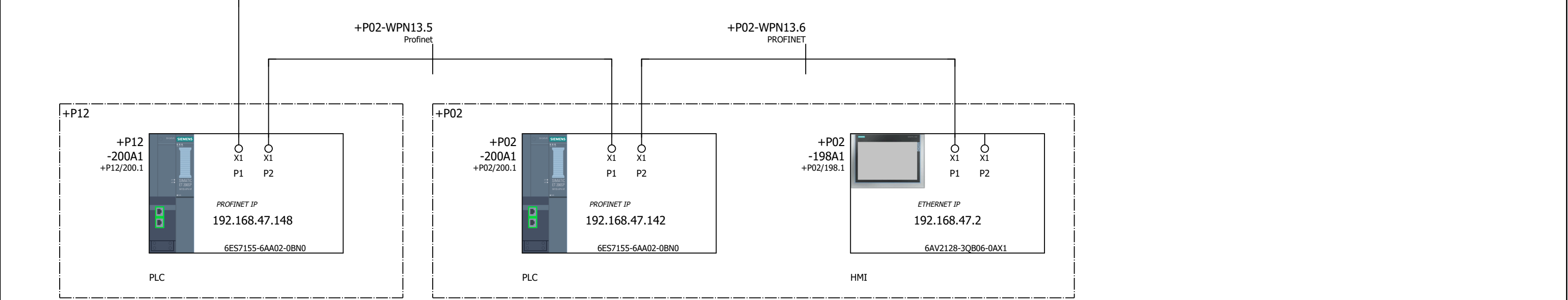
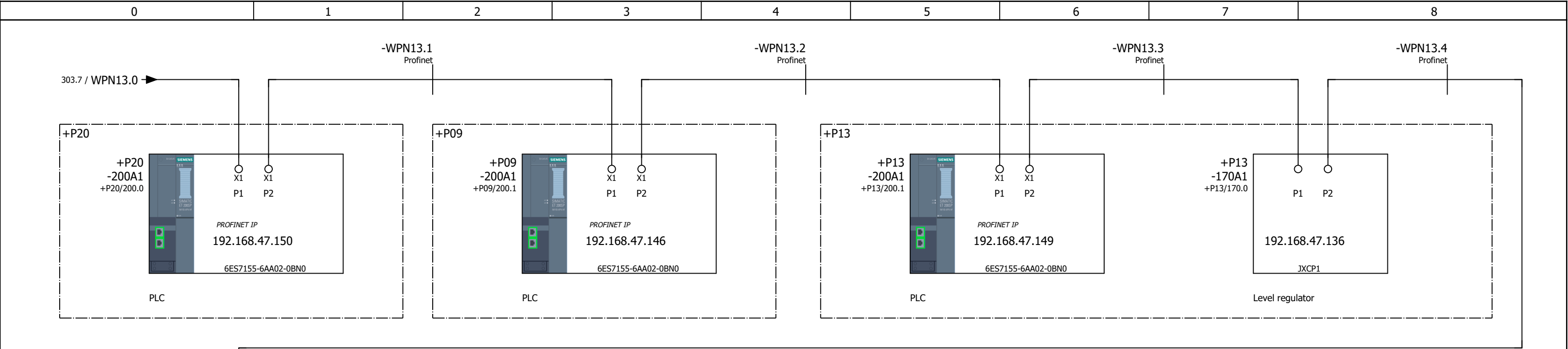


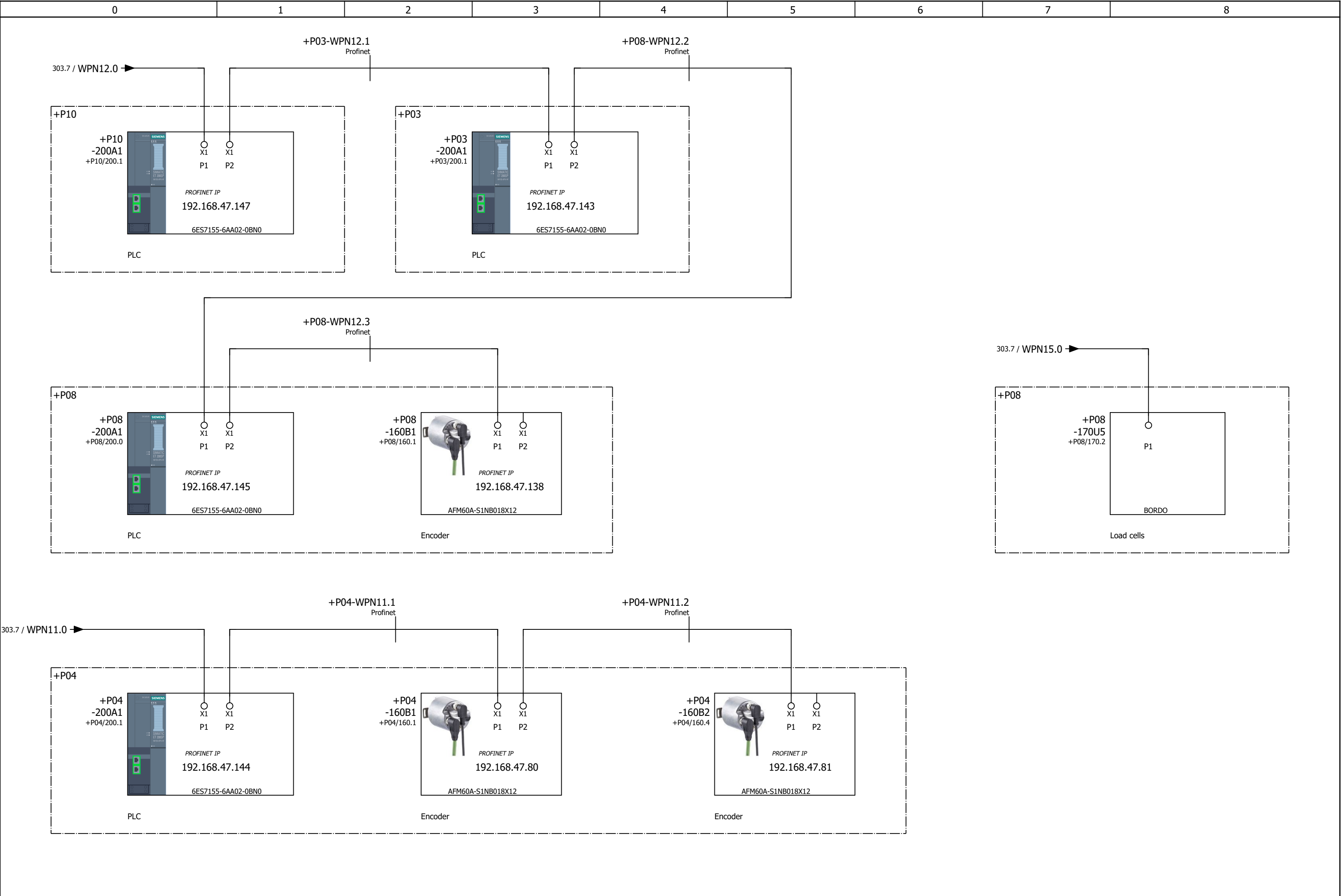


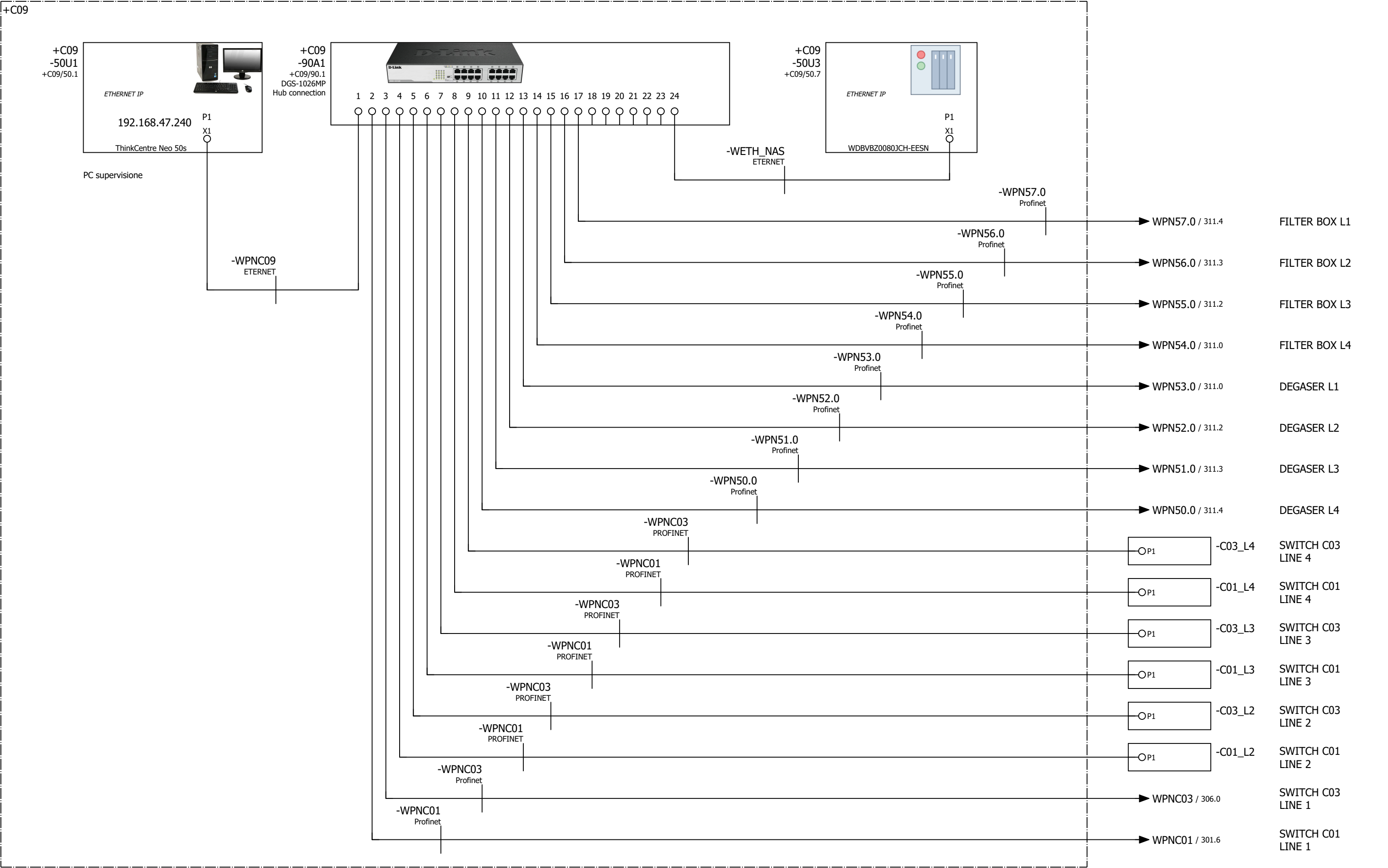












Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1

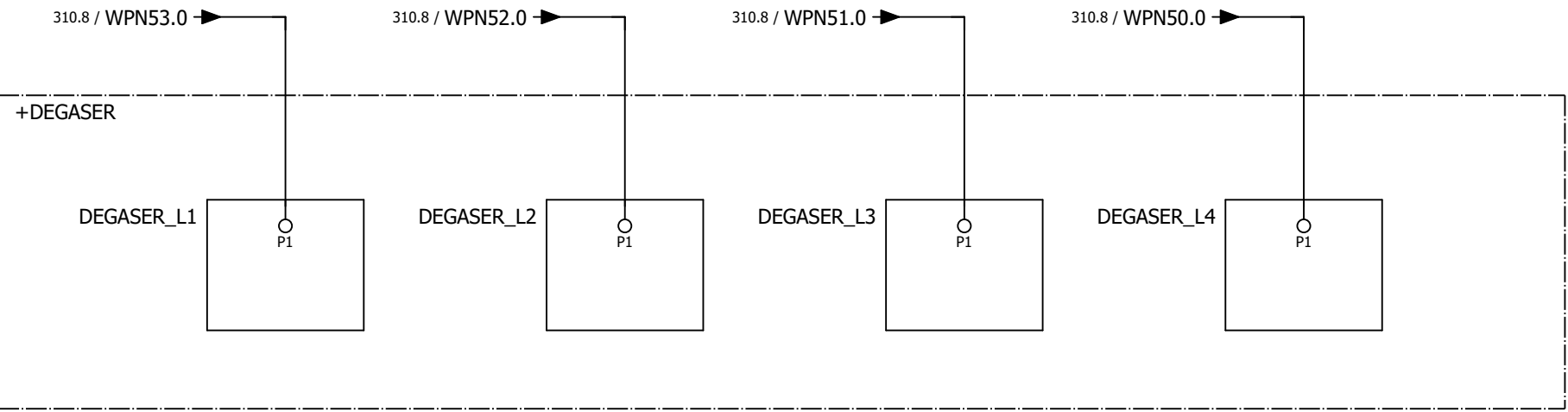
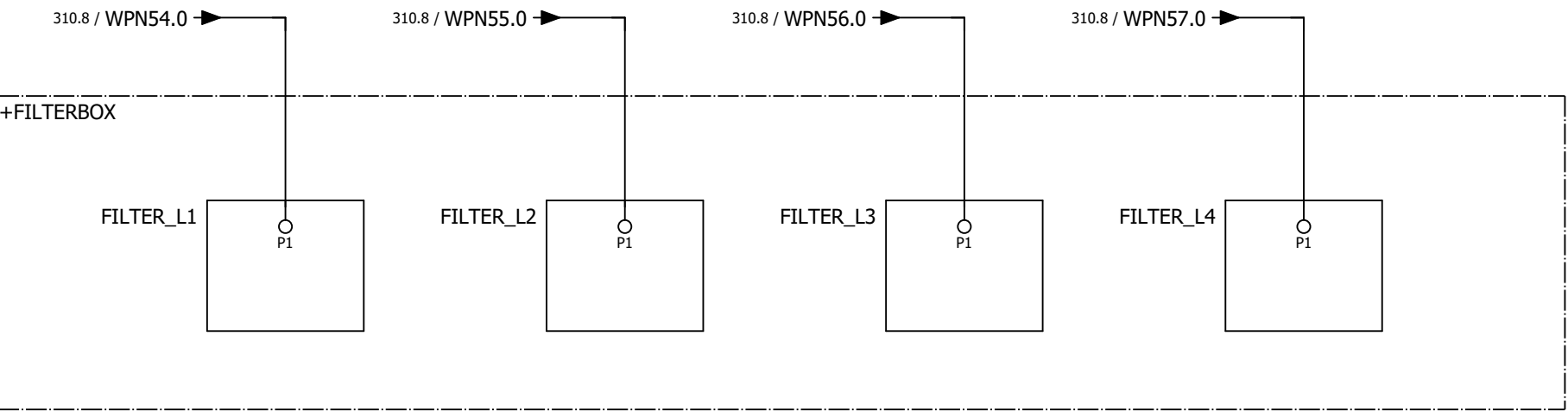


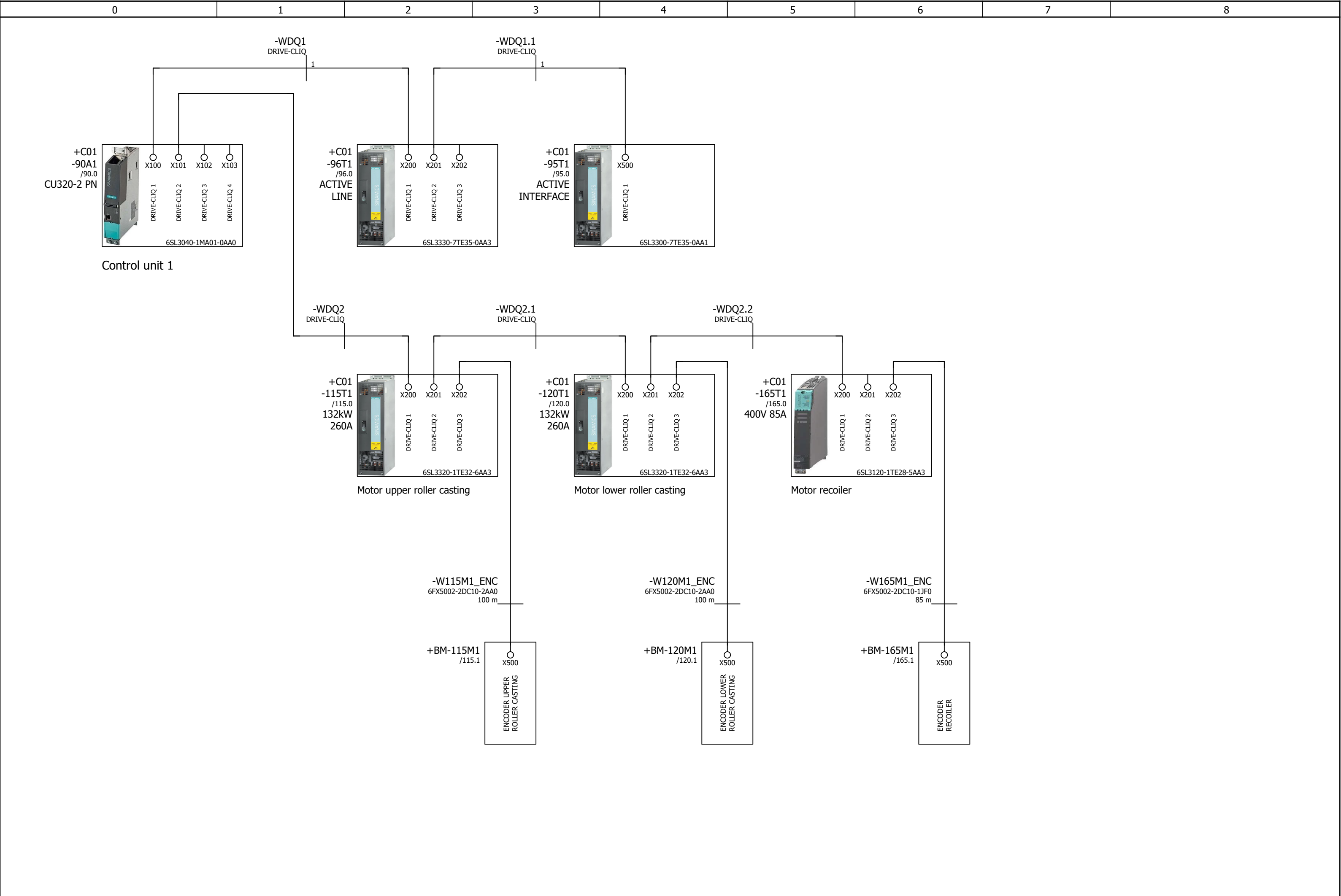
BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

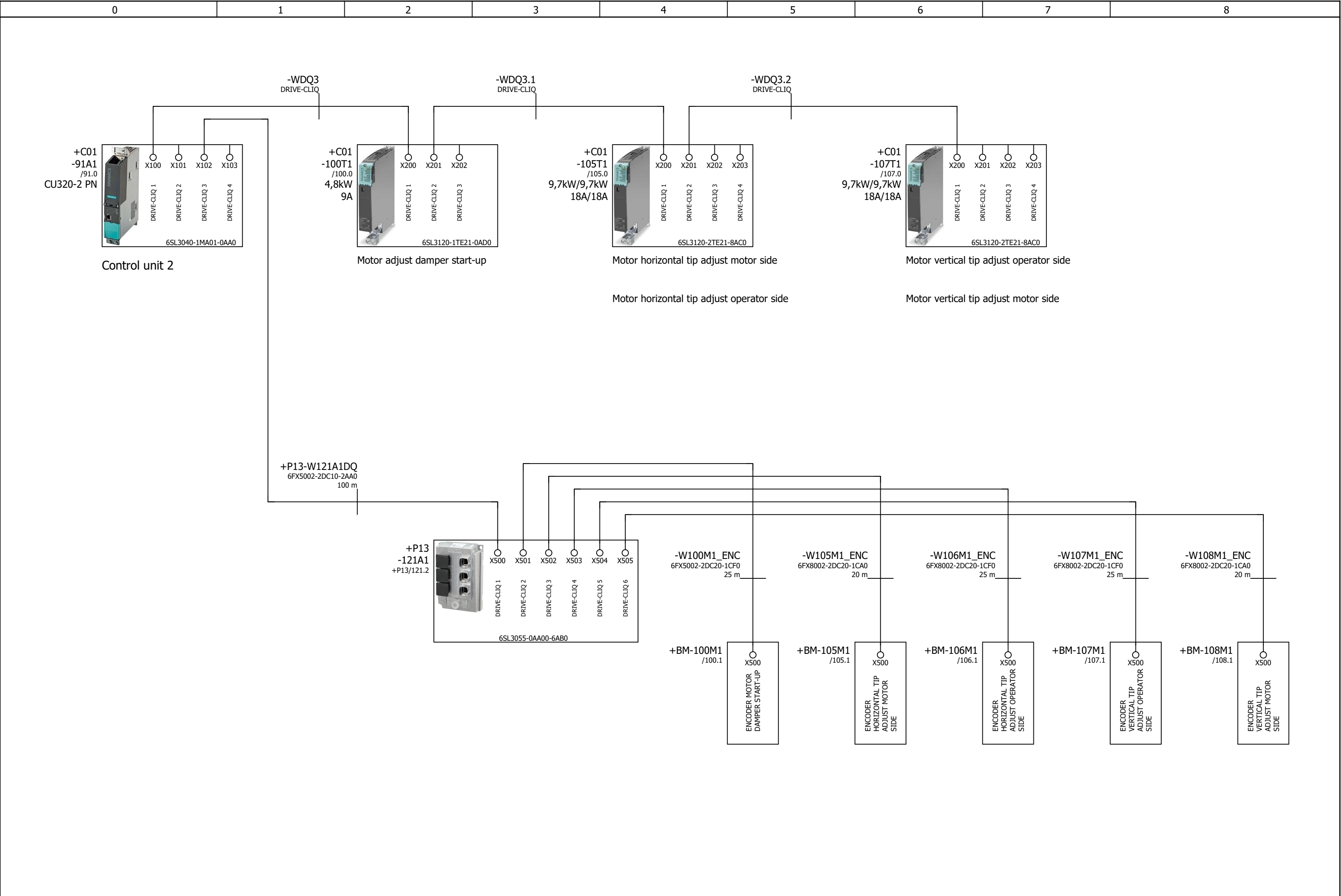
CONTINUOUS CASTER

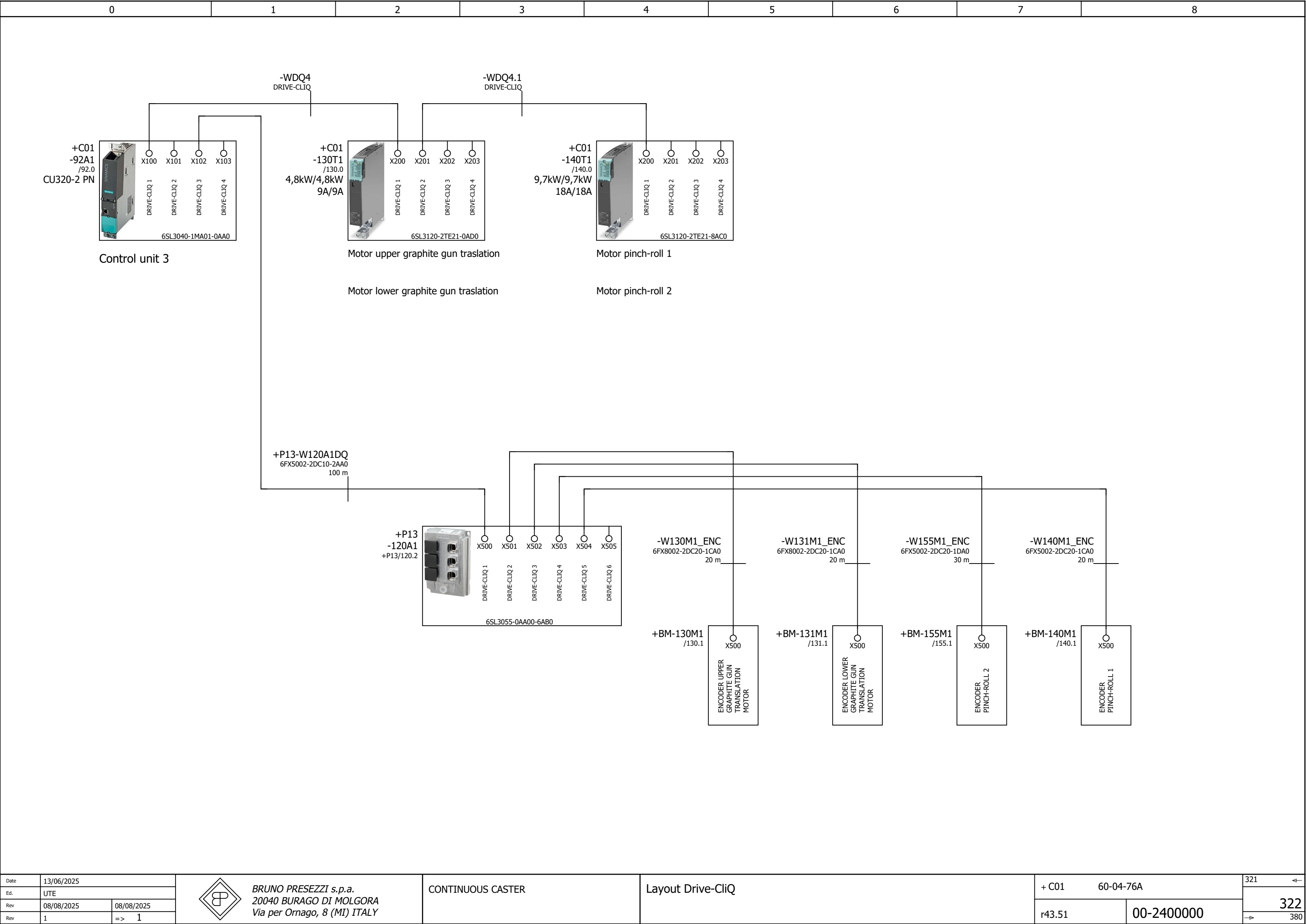
Layout Profinet C09

+ C01 60-04-76A		308	←
r43.51 00-2400000		310	→
		311	→









TERMINAL STRIP AND COTORS

-XP = Terminal block incoming line 230Vac from customer

-XM = Motor terminal strip

-XM2 = Motor terminal strip

-XMC = Power supply terminal block external machines

-X24V = 24Vdc common terminal strip

-X230V = 230Vac common terminal strip

-XUPS = Ups terminal strip

-XAI = Analog input terminal strip

-XP01 = Main control desk P01 terminal strip

-XP02 = Machine edge control desk P02 terminal strip

-XP03 = Pinch-roll machine box terminal block P03

-XP04 = Machine-side trimming console terminal block P04

-XP08 = Box recoiler P08 terminal strip

-XP09 = Spraying central control desk P09 terminal strip

-XP10 = Low pressure control unit box terminal block P10

-XP12 = Carter sensors box terminal block P12

-XP13 = High pressure control unit box terminal block P13

-XP20 = Safety gate box terminal block P20

-X28P = Power supply terminal block 230 Vac JB28

-X28 = Signal JB28 terminal strip

-X35 = Signal from horn terminal strip

-X35A = Analog signals terminal block to furnace control unit

-XR = Resistances terminal block

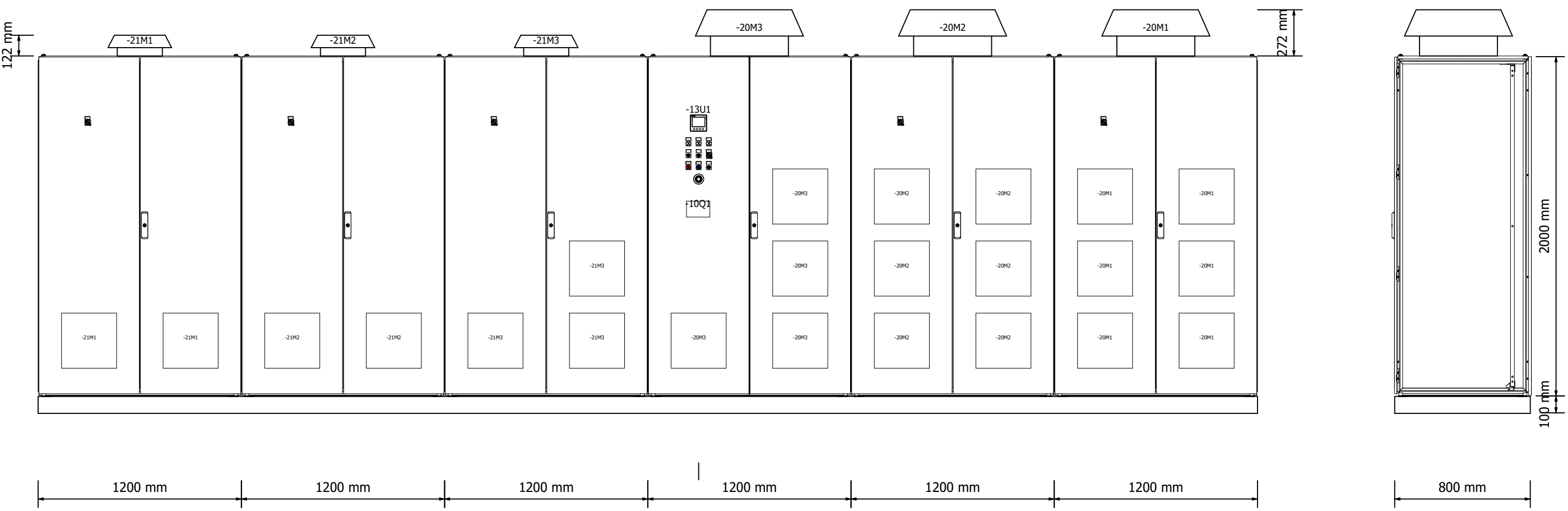
+BM-110C1 = Connector heating resistor operator side

+BM-110C1 = Connector heating resistor operator side

+BM-111C2 = Connector heating resistor motor side

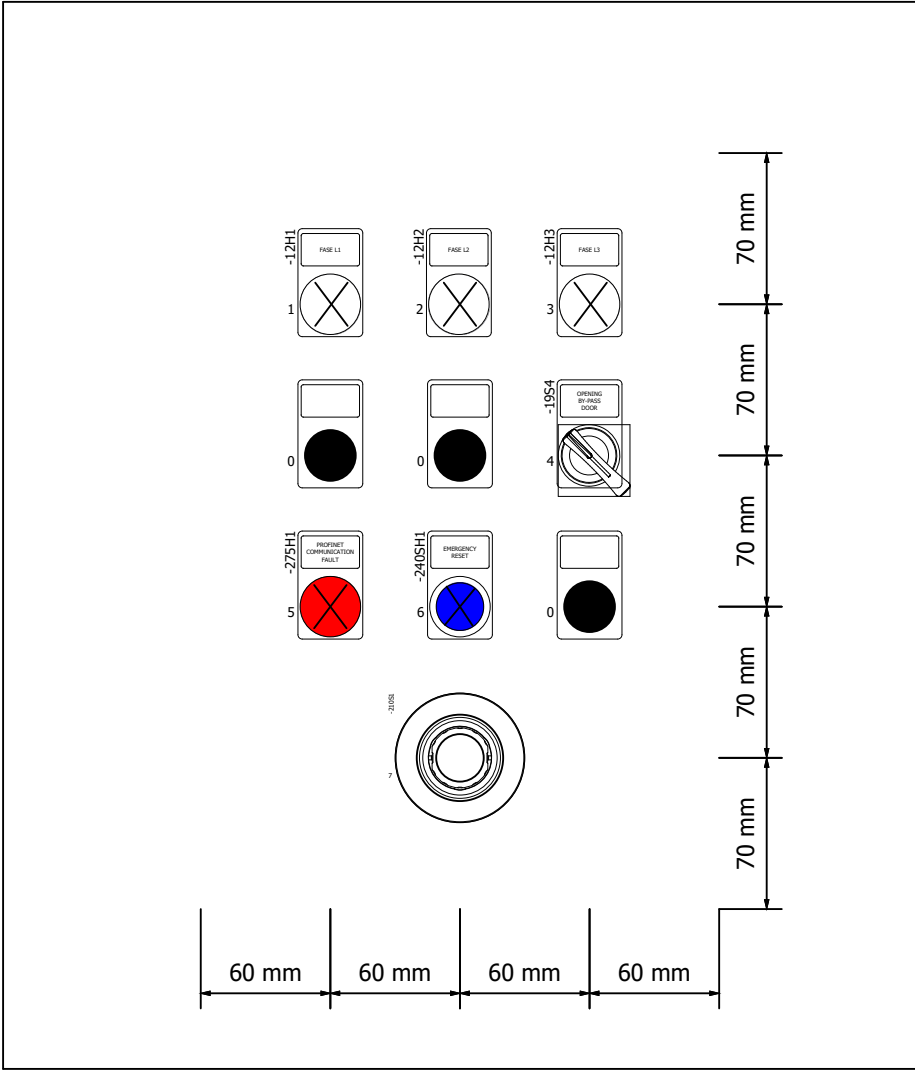
+BM-111C2 = Connector heating resistor motor side

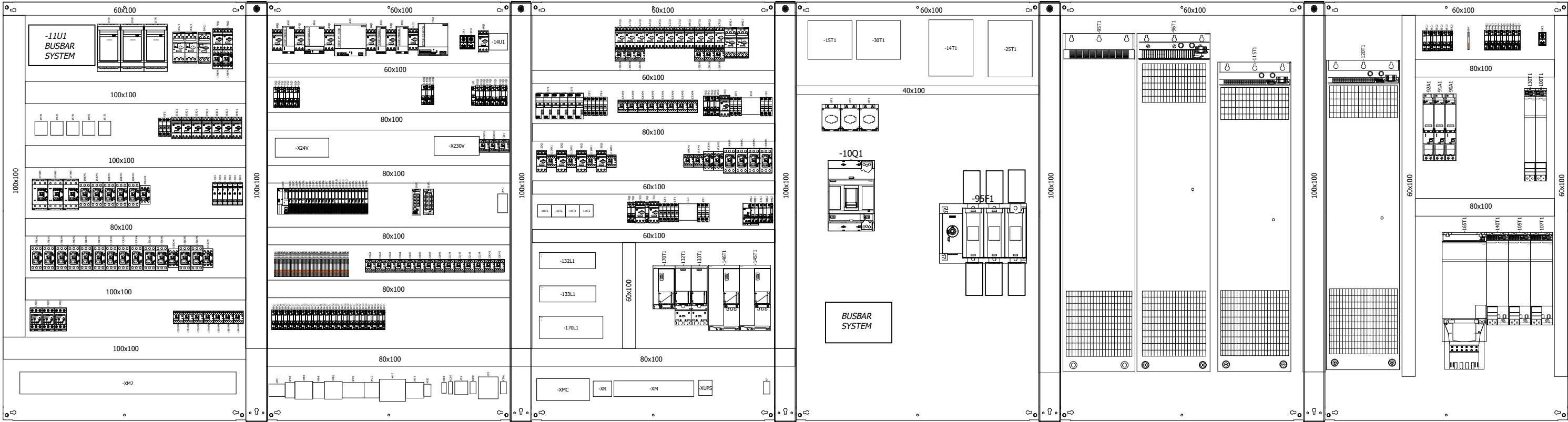
+JB28	-X28 = Signal JB28 terminal strip
+JB40	-XM = Milling motor terminal block
+JB60	-XM = Coil discharge motor terminal block



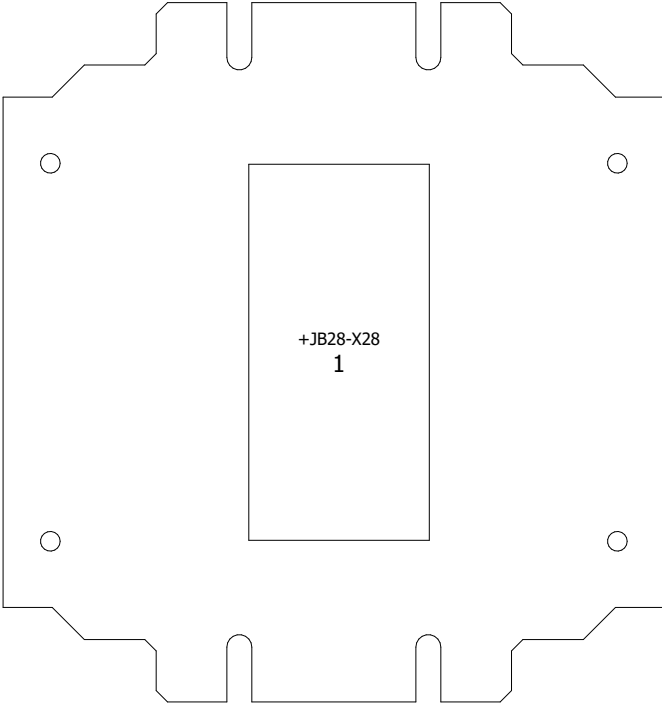
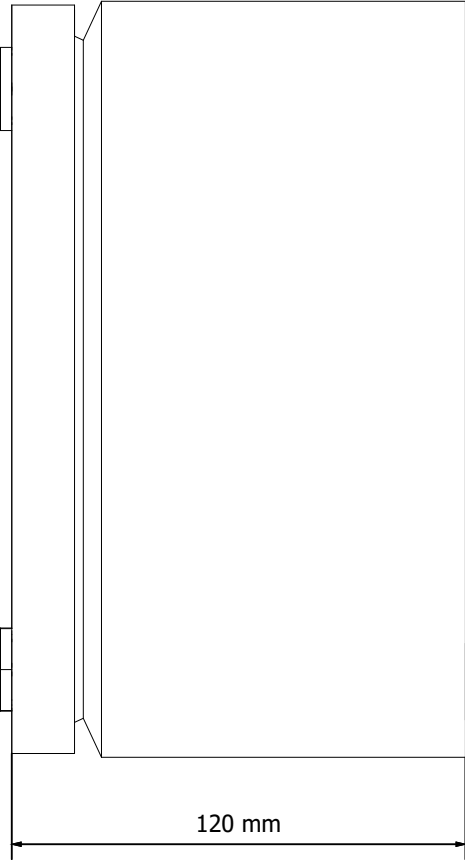
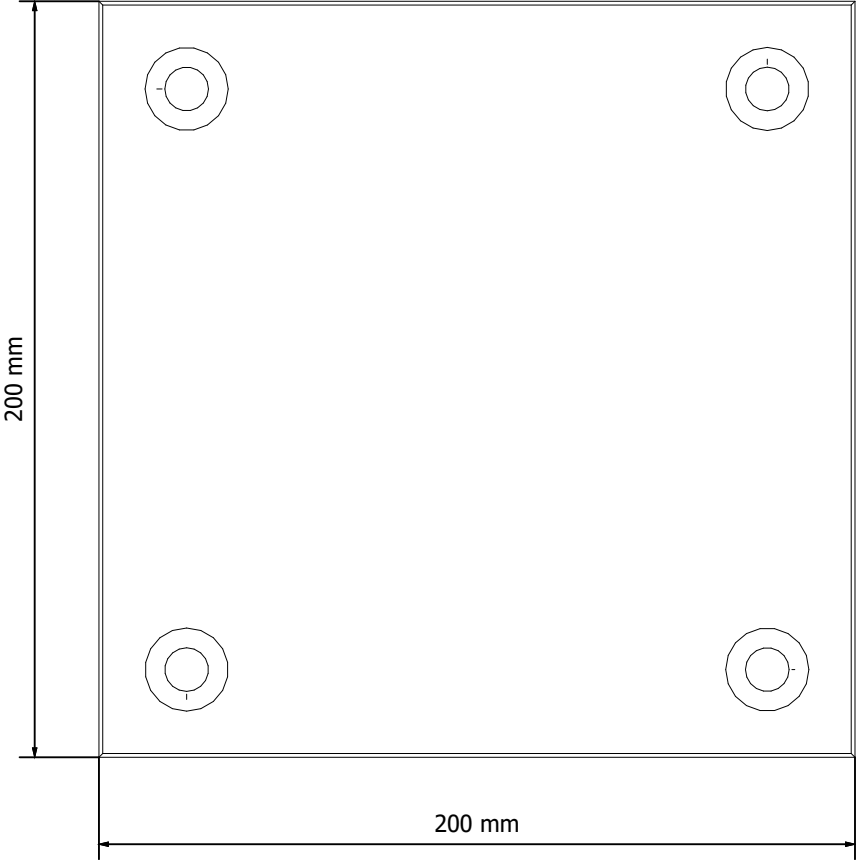
Cabinet	: 7200x2000(+100)x800
Material	: Steel
Protection	: IP 54
Internal / External Color	: RAL 7035
Manufacturer / Model	: Rittal VX25

C01

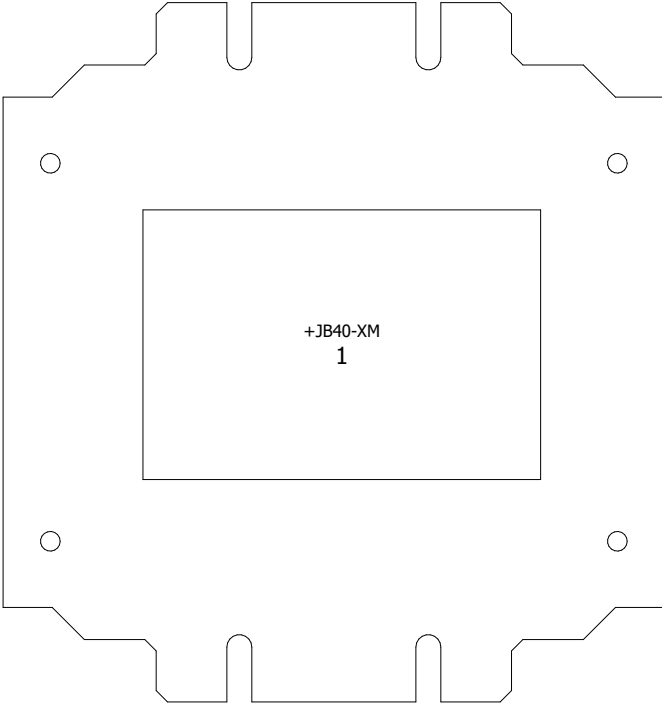
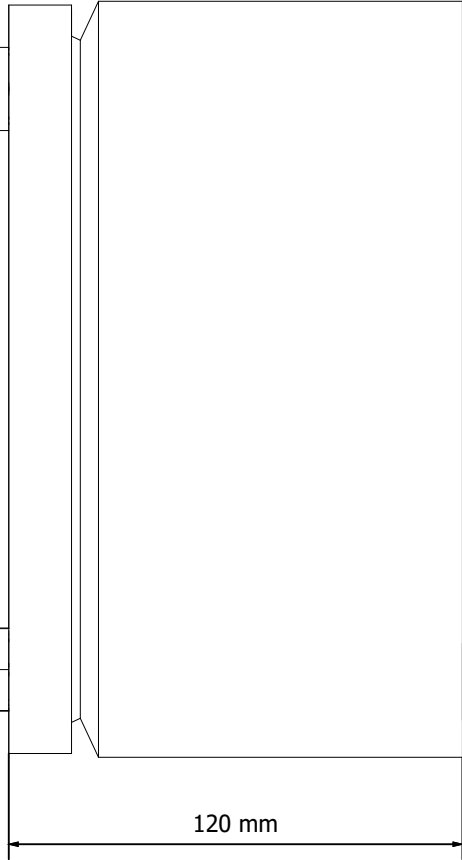
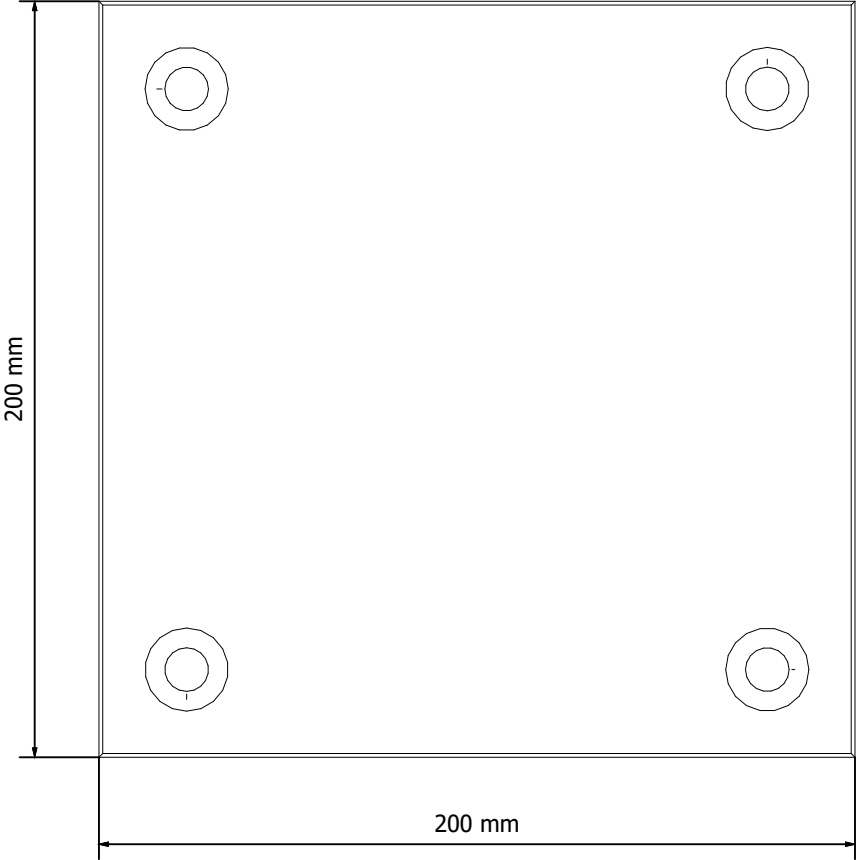




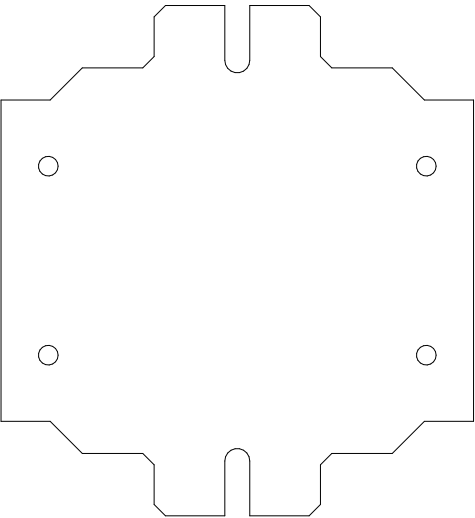
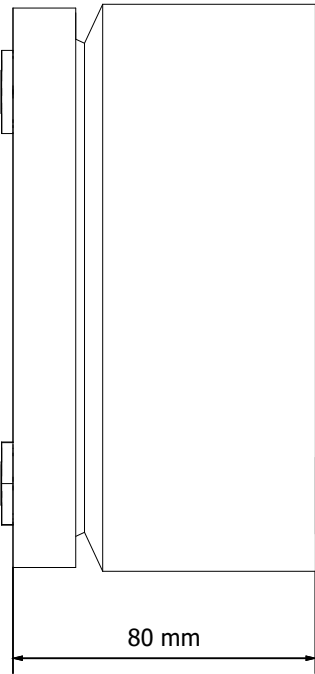
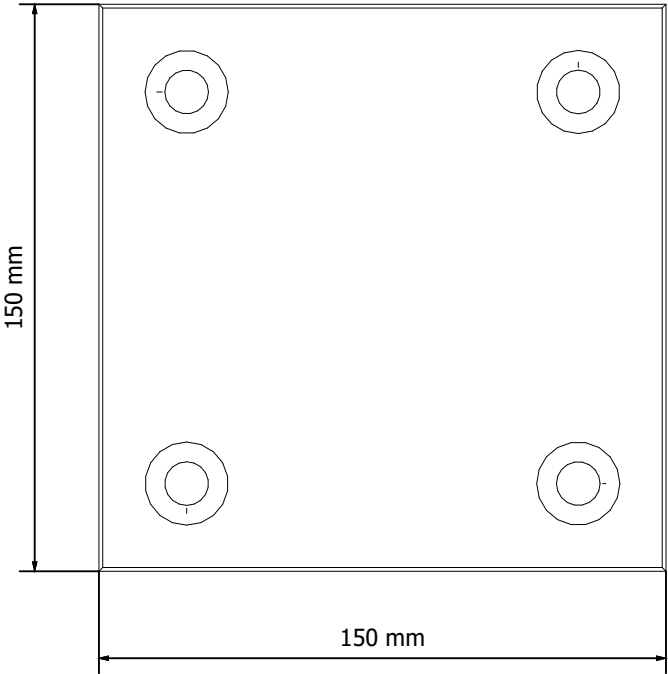
JB28



JB40



JB60




Terminal diagram

										External Designation																				Designation Internal																													
Function text										Cable name										=+C01-X24V														Cable name	Page / column																								
										Cable type										24Vdc common terminal strip														Cable type																									
																			Component										Filo Wire		Terminal	Jumper	Tpo Type	Component																									
																				Internal										External	Internal																												
DISTRIBUTION 0 Vdc																				-41G1										0V	0V	1	●	6	-40G1														&SCH/50.0										
																					-42G1																																						
																					-44G1																																						
DISTRIBUTION 0 Vdc																					-47G1										0V	0V	1	●	4 mm²	-46G1														&SCH/50.1									
																					-19K1																																						
																					-10Q1																																						
DISTRIBUTION 0 Vdc																					-XP02										0V	0V	1	●	4 mm²	-XP01														&SCH/50.1									
																					-XP03																																						
																					-XP03																																						
DISTRIBUTION 0 Vdc																					-XP08										0V	0V	1	●	4 mm²	-XP04														&SCH/50.2									
																					-XP08																																						
																					-XP09																																						
DISTRIBUTION 0 Vdc																					-XP10										0V	0V	1	●	4 mm²	-XP09														&SCH/50.2									
																					-XP10																																						
																					-XP12																																						
DISTRIBUTION 0 Vdc																					-XP12										0V	0V	1	●	4 mm²	-XP12														&SCH/50.2									
																					-XP13																																						
																					-XP13																																						
DISTRIBUTION 0 Vdc																					-270K1										0V	0V	1	●	4 mm²	-XP20														&SCH/50.3									
																					-X28																																						
																					-X35																																						
DISTRIBUTION 0 Vdc																					-191A1										0V	0V	1	●	4 mm²	-190A1														&SCH/50.3									
																					-XP01																																						
																					-200A1																																						
DISTRIBUTION 0 Vdc																					-200A4										0V	0V	1	●	4 mm²	-200A2														&SCH/50.4									
																					-201A1																																						
																					-201A9																																						
DISTRIBUTION 0 Vdc																					-202A5										0V	0V	1	●	4 mm²	-202A1														&SCH/50.4									
																					-90A1																																						
																					-91A1																																						

Terminal diagram

										External Designation										Designation Internal					
Function text	Cable name									=+C01-X24V													Cable name	Page / column	
	Cable type									24Vdc common terminal strip													Cable type		
										Component	Filo Wire		Terminal	Jumper	Tip Type	Component									
										Internal	External	Internal													
										-200A2															
										-201A1															
DISTRIBUTION 24Vdc PLC INPUT										-X35	42.05	42.05	5	•	4 mm²	-X28			&SCH/43.1						
										-220K1															
										-201A9															
DISTRIBUTION 24Vdc PLC INPUT													5	•	4 mm²				&SCH/43.1						
DISTRIBUTION 24Vdc PLC OUTPUT										-200A4	42.06	42.06	6	•	4 mm²	-42Q4			&SCH/43.3						
										-202A1															
										-202A5															
DISTRIBUTION 24Vdc PLC OUTPUT													6	•	4 mm²				&SCH/43.3						
POWER SUPPLY 24 Vdc DRIVE										-44Q3	24V4	24V4	7	•	4 mm²	-44Q2			&SCH/44.3						
										-44Q4															
										-44Q5															
POWER SUPPLY 24 Vdc CONTROL UNIT										-44Q7	24V4	24V4	7	•	4 mm²	-44Q6			&SCH/44.4						
										-90A1	44.05	44.05	8	•	4 mm²	-44Q3			&SCH/45.1						
										-91A1															
										-90K1															
										-276K1	44.05	44.05	8	•	4 mm²	-92A1			&SCH/45.1						
										-276K2															
										-276K3															
										-90K1	44.05	44.05	8	•	4 mm²	-276K4			&SCH/45.1						
										-95T1	44.06	44.06	9	•	4 mm²	-44Q4			&SCH/45.3						
										-96T1															
										-115T1	44.07	44.07	10	•	4 mm²	-44Q5			&SCH/45.4						
										-120T1															
										-165T1	44.08	44.08	11	•	4 mm²	-44Q6			&SCH/45.6						
										-132T1	44.09	44.09	12	•	4 mm²	-44Q7			&SCH/45.7						
										-133T1															
										-145T1															
										-170T1	44.09	44.09	12	•	4 mm²	-146T1			&SCH/45.7						

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+C01-X28P	+ C01 60-04-76A		401
UTE							
08/08/2025	08/08/2025						402
1	=> 1				r43.51	00-2400000	403

Terminal diagram

										External Designation										Designation Internal								
Function text	Cable name									=+C01-X230V													Cable name					
										230Vac common terminal strip																		Cable type
										Component	Filo Wire		Terminal	Jumper	Tipo Type	Component												
										Internal	External													Page / column				
DISTRIBUTION 230 Vac FAN CABINET										-13F2	13.04	13.04	1	•	4 mm²	-15Q2					&SCH/15.3							
										-18Q1				•														
										-20Q1				•														
DISTRIBUTION 230 Vac FAN CABINET												13.04	1	•	4 mm²	-21Q1					&SCH/15.3							
=										-13U1	13.06	13.06	2	•	4 mm²	-15T1					&SCH/15.5							
										-18S1				•														
										-20M1				•														
DISTRIBUTION 230 Vac FAN CABINET												13.06	2	•	4 mm²	-21M1					&SCH/15.5							
DISTRIBUTION 230 Vac UPS										-47Q1	27.01	27.01	3	•	4 mm²	-46Q1					&SCH/27.3							
										-60Q3				•														
DISTRIBUTION 230 Vac UPS										-27Q2	27.01		3	•	6						&SCH/27.3							
										-40Q1																		
										-41Q1																		
										-42Q1																		
DISTRIBUTION 230 Vac UPS										-47Q1	26.02	26.02	4	•	4 mm²	-46Q1					&SCH/27.6							
										-XP01				•														
DISTRIBUTION 230 Vac UPS										-XUPS	26.02		4	•	6						&SCH/27.5							
										-40Q1																		
										-41Q1																		
										-42Q1																		
DISTRIBUTION 230 Vac COMMAND										-220K1	30.06		5	•	4 mm²	-30Q2					&SCH/30.3							
										-80KM1				•														
										-80KM1																		
DISTRIBUTION 230 Vac COMMAND										-32Q1	30.06	30.06	5	•	4 mm²	-31Q1					&SCH/30.3							
										-76Q1				•														
										-76Q2																		
DISTRIBUTION 230 Vac COMMAND													5	•	4 mm²						&SCH/30.3							
=										-80KM1	30.01	30.01	6	•	4 mm²	-30T1					&SCH/30.5							
										-XM																		
										-XM																		

Terminal diagram

	External Designation														Designation Internal					
Function text	Cable name									=+C01-X230V 230Vac common terminal strip									Cable name	Page / column
	Cable type																		Cable type	
										Component Internal	Filo Wire External Internal	Terminal	Jumper	Tipo Type	Component					
DISTRIBUTION 230 Vac COMMAND										-32Q1	30.01 30.01	6	•	4 mm²	-95T1				&SCH/30.5	
										-32KM1										
										-110KM1										
DISTRIBUTION 230 Vac COMMAND										-116KM1	30.01 30.01	6	•	4 mm²	-111KM1				&SCH/30.5	
										-117KM1										
										-121KM1										
DISTRIBUTION 230 Vac COMMAND										-125KM1	30.01 30.01	6	•	4 mm²	-122KM1				&SCH/30.6	
										-126KM1										
										-135KM1										
DISTRIBUTION 230 Vac COMMAND										-148KM1	30.01 30.01	6	•	4 mm²	-135KM3				&SCH/30.6	
										-148KM3										
										-150K1										
DISTRIBUTION 230 Vac COMMAND										-152KM1	30.01 30.01	6	•	4 mm²	-151KM1				&SCH/30.7	
										-153KM1										
										-166KM1										
DISTRIBUTION 230 Vac COMMAND										-168KM1	30.01 30.01	6	•	4 mm²	-167KM1				&SCH/30.7	
										-172KM1										
										-175K1										
DISTRIBUTION 230 Vac COMMAND										-177K1	30.01 30.01	6	•	4 mm²	-176K1				&SCH/30.7	
										-178KM1										
										-179KM1										
DISTRIBUTION 230 Vac COMMAND										-181K1	30.01 30.01	6	•	4 mm²	-180K1				&SCH/30.8	
										-183KM1										
										-184KM1										
DISTRIBUTION 230 Vac COMMAND										-X28P	30.01 30.01	6	•	4 mm²	-173KM1				&SCH/30.8	
										-X28P										
DISTRIBUTION 230 Vac EMERGENCY FAN										-116Q1	80.04 80.04	7	•	4 mm²	-80KM2				&SCH/80.4	
										-121Q1										
DISTRIBUTION 230 Vac CONTACTOR										-270K1	32.05 32.05	8	•	4 mm²	-80KM2				&SCH/80.6	
										-270K3										

Terminal diagram


										External Designation										Designation Internal				
Function text	Cable name								-W76U2_2	ÖLFLEX® CLASSIC 110 CY 2x1 mm²	= +C01-XAI Analog input terminal strip						-W76U2_3			Cable name	Page / column			
	Cable type								Component		Internal	Filo Wire External Internal	Terminal	Jumper	Tipo Type	Component	ÖLFLEX® CLASSIC 110 CY 2x0,5 mm²			Cable type				
									2	-76U2	261.07	261.07	1	•	2,5	-201A10	2				&SCH/261.1			
DIFFERENTIAL PRESSURE CHIP EXTRACTOR									1	-76U2	261.08	261.08	2	•	2,5	-201A10	1				&SCH/261.2			
=									SH	-W76U2_2			3	•	2,5	-EQP	SH				&SCH/261.2			


Terminal diagram

		External Designation										Designation Internal									
Function text	Cable name	-W134M2_2	-W134M1_2	-W126M1	-W125M1	-W122M1	-W120M1_2	-W117M1	-W115M1_2	=+C01-XM Motor terminal strip							-W134M1_3	-W134M2_3		Cable name	Page / column
										Cable type	Component	Tipo Type	Jumper	Terminal	Filo Wire	Internal					
																				External	Internal
FAN MOTOR UPPER ROLLER CASTING									1	+BM-115M1	116.01	116.01	1	•	2,5	-116KM1					&SCH/116.1
=									2	+BM-115M1	30.01	30.01	2	•	2,5	-X230V					&SCH/116.1
=									GNYE	+BM-115M1	PE		3	•	4 mm²	-EQP					&SCH/116.1
PUMP UPPER CASTING ROLLER GEARBOX LUBRICATION								1		+BM-117M1	117.02	117.02	4	•	2,5	-117KM1					&SCH/117.1
=								2		+BM-117M1	117.04	117.04	5	•	2,5	-117KM1					&SCH/117.1
=								3		+BM-117M1	117.06	117.06	6	•	2,5	-117KM1					&SCH/117.1
=								GNYE		+BM-117M1	PE		7	•	4 mm²	-EQP					&SCH/117.1
FAN MOTOR LOWER ROLLER CASTING							2			+BM-120M1	121.01	121.01	8	•	2,5	-121KM1					&SCH/121.1
=							1			+BM-120M1	30.01	30.01	9	•	2,5	-X230V					&SCH/121.1
=							GNYE			+BM-120M1	PE		10	•	4 mm²	-EQP					&SCH/121.1
PUMP LOWER CASTING ROLLER GEARBOX LUBRICATION						1				+BM-122M1	122.02	122.02	11	•	2,5	-122KM1					&SCH/122.1
=						2				+BM-122M1	122.04	122.04	12	•	2,5	-122KM1					&SCH/122.1
=						3				+BM-122M1	122.06	122.06	13	•	2,5	-122KM1					&SCH/122.1
=						GNYE				+BM-122M1	PE		14	•	4 mm²	-EQP					&SCH/122.1
STRAPPING MOTOR					1					+BM-125M1	125.02	125.02	15	•	2,5	-125KM1					&SCH/125.1
=					2					+BM-125M1	125.04	125.04	16	•	2,5	-125KM1					&SCH/125.1
=					3					+BM-125M1	125.06	125.06	17	•	2,5	-125KM1					&SCH/125.1
=					GNYE					+BM-125M1	PE		18	•	4 mm²	-EQP					&SCH/125.1
MOTOR EXTRACTION ROLLS				1						+BM-126M1	126.02	126.02	19	•	2,5	-126KM1					&SCH/126.1
=				2						+BM-126M1	126.04	126.04	20	•	2,5	-126KM1					&SCH/126.1
=				3						+BM-126M1	126.06	126.06	21	•	2,5	-126KM1					&SCH/126.1
=				GNYE						+BM-126M1	PE		22	•	4 mm²	-EQP					&SCH/126.1
PREPARATION AGITATOR GRAPHITE TANK 1			1							+BM-134U1	132.11	132.11	23	•	2,5	-132L1	1				&SCH/134.1
=			2							+BM-134U1	132.13	132.13	24	•	2,5	-132L1	2				&SCH/134.1
=			3							+BM-134U1	132.15	132.15	25	•	2,5	-132L1	3				&SCH/134.1
=			GNYE							+BM-134U1	PE	PE	26	•	4 mm²	-132L1	GNYE				&SCH/134.1
=			SH							+BM-134M1			27	•	4 mm²	-SCH	SH				&SCH/134.2
PREPARATION AGITATOR GRAPHITE TANK 2		1								+BM-134U2	133.11	133.11	28	•	2,5	-133L1		1			&SCH/134.5
=		2								+BM-134U2	133.13	133.13	29	•	2,5	-133L1		2			&SCH/134.5
=		3								+BM-134U2	133.15	133.15	30	•	2,5	-133L1		3			&SCH/134.5

Terminal diagram

		External Designation													Designation Internal							
Function text	Cable name				-W168M1	-W167M1	-W165M1_2	-W147M2_2	-W147M1_2	-W134M2_2	=+C01-XM Motor terminal strip						-W134M2_3	-W147M1_3	-W147M2_3	Cable name	Page / column	
	Cable type				ÖFLEX® CLASSIC 110 BLACK 0,6/1kV 4G2,5 mm²	ÖFLEX® CLASSIC 110 BLACK 0,6/1kV 4G2,5 mm²	ÖFLEX® CLASSIC 110 BLACK 0,6/1kV 4G2,5 mm²	ÖFLEX® CLASSIC 110 CY BLACK 0,6/1kV 4x10 mm²	ÖFLEX® CLASSIC 110 CY BLACK 0,6/1kV 4x10 mm²	ÖFLEX® CLASSIC 110 CY BLACK 0,6/1kV 4G2,5 mm²	Component	Internal	Filo Wire External Internal	Terminal	Jumper	Tipo Type	Component	4G2,5 mm²	4G10 mm²	4G10 mm²		Cable type
PREPARATION AGITATOR GRAPHITE TANK 2										GNYE	+BM-134U2		PE	PE	31	•	4 mm²	-133L1	GNYE			&SCH/134.5
=										SH	+BM-134M2				32	•	4 mm²	-SCH	SH			&SCH/134.6
SPINDLE MILLING MOTOR MACHINE SIDE									1		+JB40-XM	145.10	145.10	33	•	10	-145T1		1			&SCH/147.1
=									2		+JB40-XM	145.11	145.11	34	•	10	-145T1		2			&SCH/147.1
=									3		+JB40-XM	145.12	145.12	35	•	10	-145T1		3			&SCH/147.1
=									GNYE		+JB40-XM	PE	PE	36	•	10	-145T1		GNYE			&SCH/147.1
=									SH		+JB40-XM			37	•	4	-145T1		SH			&SCH/147.2
SPINDLE MILLING MOTOR OPERATOR SIDE								1			+JB40-XM	146.10	146.10	38	•	10	-146T1			1		&SCH/147.5
=								2			+JB40-XM	146.11	146.11	39	•	10	-146T1			2		&SCH/147.5
=								3			+JB40-XM	146.12	146.12	40	•	10	-146T1			3		&SCH/147.5
=									GNYE		+JB40-XM	PE	PE	41	•	10	-146T1			GNYE		&SCH/147.5
=									SH		+JB40-XM			42	•	4	-146T1			SH		&SCH/147.6
WINDER MOTOR FAN						1					+BM-165M1	166.01	166.01	43	•	2,5	-166KM1					&SCH/166.1
=						2					+BM-165M1	166.02	166.02	44	•	2,5	-166KM1					&SCH/166.1
=						3					+BM-165M1	166.03	166.03	45	•	2,5	-166KM1					&SCH/166.1
=							GNYE				+BM-165M1	PE		46	•	4 mm²	-EQP					&SCH/166.1
MOTOR PUMP RECOILER LUBRIFICATION					1						+BM-167M1	167.02	167.02	47	•	2,5	-167KM1					&SCH/167.1
=					2						+BM-167M1	167.04	167.04	48	•	2,5	-167KM1					&SCH/167.1
=					3						+BM-167M1	167.06	167.06	49	•	2,5	-167KM1					&SCH/167.1
=						GNYE					+BM-167M1	PE		50	•	4 mm²	-EQP					&SCH/167.1
MOTOR EXCHANGER WINDER				1							+BM-168M1	168.02	168.02	51	•	2,5	-168KM1					&SCH/168.1
=				2							+BM-168M1	168.04	168.04	52	•	2,5	-168KM1					&SCH/168.1
=				3							+BM-168M1	168.06	168.06	53	•	2,5	-168KM1					&SCH/168.1
=					GNYE						+BM-168M1	PE		54	•	4 mm²	-EQP					&SCH/168.1

13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +C01-XM	+ C01 60-04-76A		409.a ←
UTE							<div>409.b</div> <div>→ 410</div>
08/08/2025	08/08/2025						
1	=> 1						


13/06/2025		 <div>BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+C01-XM2	+ C01 60-04-76A		409.b ←
UTE							410
08/08/2025	08/08/2025						→ 410.a
1	=> 1				r43.51	00-2400000	


Terminal diagram


		External Designation												Designation Internal										
Function text		Cable name	-W179R2	-W179R1	-W178M2	-W178M1	-W177M1_2	-W177M1_1	-W176M1_2	-W176M1_1	=+C01-XM2 Motor terminal strip									Cable name	Cable type	Page / column		
											Component		Filo Wire		Terminal	Jumper							Tipo Type	Component
											Internal	External	Internal	External										
MOTOR PUMP 2 LOW PRESSURE										3	+BM-176M1	176.12	176.12	31	•	35	-176F2					&SCH/176.0		
=										GNYE	+BM-176M1	PE		32	•	35	-EQP					&SCH/176.1		
=										GNYE	+BM-176M1	PE		33	•	35	-EQP					&SCH/176.1		
=										1	+BM-176M1	176.13	176.13	34	•	35	-176KM3					&SCH/176.1		
=										2	+BM-176M1	176.14	176.14	35	•	35	-176KM3					&SCH/176.1		
=										3	+BM-176M1	176.15	176.15	36	•	35	-176KM3					&SCH/176.2		
MOTOR PUMP 3 LOW PRESSURE										1	+BM-177M1	177.04	177.04	37	•	35	-177F2					&SCH/177.0		
=										2	+BM-177M1	177.08	177.08	38	•	35	-177F2					&SCH/177.0		
=										3	+BM-177M1	177.12	177.12	39	•	35	-177F2					&SCH/177.0		
=										GNYE	+BM-177M1	PE		40	•	35	-EQP					&SCH/177.1		
=										GNYE	+BM-177M1	PE		41	•	35	-EQP					&SCH/177.1		
=										1	+BM-177M1	177.13	177.13	42	•	35	-177KM3					&SCH/177.1		
=										2	+BM-177M1	177.14	177.14	43	•	35	-177KM3					&SCH/177.1		
=										3	+BM-177M1	177.15	177.15	44	•	35	-177KM3					&SCH/177.2		
MOTOR PUMP 1 LOW PRESSURE OIL RECIRCULATION										1	+BM-178M1	178.02	178.02	45	•	6	-178KM1					&SCH/178.1		
=										2	+BM-178M1	178.04	178.04	46	•	6	-178KM1					&SCH/178.1		
=										3	+BM-178M1	178.06	178.06	47	•	6	-178KM1					&SCH/178.1		
=										GNYE	+BM-178M1	PE		48	•	6	-EQP					&SCH/178.1		
MOTOR PUMP 2 LOW PRESSURE OIL RECIRCULATION										1	+BM-178M2	178.08	178.08	49	•	6	-178KM2					&SCH/178.3		
=										2	+BM-178M2	178.10	178.10	50	•	6	-178KM2					&SCH/178.3		
=										3	+BM-178M2	178.12	178.12	51	•	6	-178KM2					&SCH/178.3		
=										GNYE	+BM-178M2	PE		52	•	6	-EQP					&SCH/178.3		
HEATING RESISTANCES LOW PRESSURE OIL										1	+BM-179R1	179.02	179.02	53	•	2,5	-179KM1					&SCH/179.1		
=										2	+BM-179R1	179.04	179.04	54	•	2,5	-179KM1					&SCH/179.1		
=										3	+BM-179R1	179.06	179.06	55	•	2,5	-179KM1					&SCH/179.1		
=										GNYE	+BM-179R1	PE		56	•	4 mm²	-EQP					&SCH/179.1		
=										1	+BM-179R2	179.02	179.02	57	•	2,5	-179KM1					&SCH/179.2		
=										2	+BM-179R2	179.04	179.04	58	•	2,5	-179KM1					&SCH/179.2		
=										3	+BM-179R2	179.06	179.06	59	•	2,5	-179KM1					&SCH/179.3		
=										GNYE	+BM-179R2	PE		60	•	4 mm²	-EQP					&SCH/179.3		


Terminal diagram


	External Designation															Designation Internal									
Function text	Cable name		-W184R1	-W183M2	-W183M1	-W181M1_2	-W181M1_1	-W180M1_2	-W180M1_1	=+C01-XM2 Motor terminal strip													Cable name	Cable type	Page / column
										Internal		Filo Wire	Terminal	Jumper	Tipo Type	Component									
										External	Internal														
MOTOR PUMP 1 HIGH PRESSURE									1	+BM-180M1	180.03	180.03	61	•	35	-180KM2						&SCH/180.0			
=									2	+BM-180M1	180.06	180.06	62	•	35	-180KM2						&SCH/180.0			
=									3	+BM-180M1	180.09	180.09	63	•	35	-180KM2						&SCH/180.0			
=									GNYE	+BM-180M1	PE		64	•	35	-EQP						&SCH/180.1			
=								GNYE		+BM-180M1	PE		65	•	35	-EQP						&SCH/180.1			
=								1		+BM-180M1	180.10	180.10	66	•	35	-180KM3						&SCH/180.1			
=								2		+BM-180M1	180.11	180.11	67	•	35	-180KM3						&SCH/180.1			
=								3		+BM-180M1	180.12	180.12	68	•	35	-180KM3						&SCH/180.2			
=							1			+BM-181M1	181.03	181.03	69	•	35	-181KM2						&SCH/181.0			
=							2			+BM-181M1	181.06	181.06	70	•	35	-181KM2						&SCH/181.0			
=							3			+BM-181M1	181.09	181.09	71	•	35	-181KM2						&SCH/181.0			
=							GNYE			+BM-181M1	PE		72	•	35	-EQP						&SCH/181.1			
=						GNYE				+BM-181M1	PE		73	•	35	-EQP						&SCH/181.1			
=						1				+BM-181M1	181.10	181.10	74	•	35	-181KM3						&SCH/181.1			
=						2				+BM-181M1	181.11	181.11	75	•	35	-181KM3						&SCH/181.1			
=						3				+BM-181M1	181.12	181.12	76	•	35	-181KM3						&SCH/181.2			
MOTOR PUMP 1 HIGH PRESSURE OIL RECIRCULATION					1					+BM-183M1	183.02	183.02	77	•	4	-183KM1						&SCH/183.1			
=					2					+BM-183M1	183.04	183.04	78	•	4	-183KM1						&SCH/183.1			
=					3					+BM-183M1	183.06	183.06	79	•	4	-183KM1						&SCH/183.1			
=					GNYE					+BM-183M1	PE		80	•	4	-EQP						&SCH/183.1			
MOTOR PUMP 2 HIGH PRESSURE OIL RECIRCULATION				1						+BM-183M2	183.08	183.08	81	•	4	-183KM2						&SCH/183.3			
=				2						+BM-183M2	183.10	183.10	82	•	4	-183KM2						&SCH/183.3			
=				3						+BM-183M2	183.12	183.12	83	•	4	-183KM2						&SCH/183.3			
=				GNYE						+BM-183M2	PE		84	•	4	-EQP						&SCH/183.3			
HEATING RESISTANCES HIGH PRESSURE OIL			1							+BM-184R1	184.02	184.02	85	•	4	-184KM1						&SCH/184.1			
=			2							+BM-184R1	184.04	184.04	86	•	4	-184KM1						&SCH/184.1			
=			3							+BM-184R1	184.06	184.06	87	•	4	-184KM1						&SCH/184.1			
=			GNYE							+BM-184R1	PE		88	•	4	-EQP						&SCH/184.1			


13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+C01-XMC	+ C01 60-04-76A		410.b
UTE							
08/08/2025	08/08/2025						411
1	=> 1				r43.51	00-2400000	412

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +C01-XP01	+ C01 60-04-76A		412
UTE							
08/08/2025	08/08/2025						41
1	=> 1				r43.51	00-2400000	41

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+C01-XP03	+ C01 60-04-76A		414
UTE							
08/08/2025	08/08/2025						41
1	=> 1				r43.51	00-2400000	41


13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +C01-XP04	+ C01 60-04-76A		415
UTE							
08/08/2025	08/08/2025						41
1	=> 1				r43.51	00-2400000	41

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+C01-XP08	+ C01 60-04-76A		416
UTE					r43.51	00-2400000	41
08/08/2025	08/08/2025						41
1	=> 1						41

13/06/2025		 <div>BRUNO PREZEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+C01-XR	+ C01 60-04-76A		422 ←
UTE					r43.51	00-2400000	423
08/08/2025	08/08/2025						→ 424
1	=> 1						

Terminal diagram

[illegible]

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+JB40-XM	+ C01 60-04-76A		426
UTE							
08/08/2025	08/08/2025						42
1	=> 1				r43.51	00-2400000	42

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1017	TEKNOMEGA	TKM.BRF 25X5X1000
-10F1	3	Safety fuse	CH10 12A gG	Italweber	IW.1421012
-10F1	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-10F2	3	Safety fuse	CH10 25A gG	Italweber	IW.1421025
-10F2	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-10Q1	1	Circuit breaker	3VA1510-5EF32-0AA0	Siemens	SIE.3VA1510-5EF32-0AA0
-10Q1	2	Accessories	3VA9602-0WA00	Siemens	SIE.3VA9602-0WA00
-10Q1	1	Handle	3VA9687-0FK21	Siemens	SIE.3VA9687-0FK21
-10Q1	1	Coil	3VA9908-0BB11	Siemens	SIE.3VA9908-0BB11
-10Q2	1	Circui breaker 16A	5SY4216-7	Siemens	SIE.5SY4216-7
-10Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-10T1	1	Transformer	TAC0511K0X05	FRER	FRER.TAC0511K0X05
-10T2	1	Transformer	TAC0511K0X05	FRER	FRER.TAC0511K0X05
-10T3	1	Transformer	TAC0511K0X05	FRER	FRER.TAC0511K0X05
-10U1	1	Distributor	RPT3000	TEKNOMEGA	TKM.RPT 125-6 S
-10U3	1	Distributor	RPT3000	TEKNOMEGA	TKM.RPT 125-6 S
-XP	2	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XP	1	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-11F1	2	Safety fuse	CH10 10A aM	Italweber	IW.1422010
-11F1	1	Fuse holder	BCH 2x38	Italweber	IW.2302038
-XC09	2	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XC09	1	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-12F1	3	Safety fuse	CH10 2A gG	Italweber	IW.1421002
-12F1	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-12H1	2	Lamp	ZB4BV013	Schneider Electric	SE.ZB4BV013
-12H1	1	Led	ZBVM1	Schneider Electric	SE.ZBVM1
-12H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-12H1	2	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-12H2	2	Lamp	ZB4BV013	Schneider Electric	SE.ZB4BV013
-12H2	1	Led	ZBVM1	Schneider Electric	SE.ZBVM1
-12H2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-12H2	2	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-12H3	2	Lamp	ZB4BV013	Schneider Electric	SE.ZB4BV013
-12H3	1	Led	ZBVM1	Schneider Electric	SE.ZBVM1
-12H3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-12H3	2	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-13F1	3	Safety fuse	CH10 2A gG	Italweber	IW.1421002
-13F1	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-13F2	1	Safety fuse	CH10 2A gG	Italweber	IW.1421002
-13F2	1	Fuse holder	BCH 1x38	Italweber	IW.2301038
-13U1	1	Network analyzer	7KM3220-0BA01-1DA0	Siemens	SIE.7KM3220-0BA01-1DA0
-13U1	1	SENTRON Switched Ethernet PROFINET expansion module	7KM9300-0AE02-0AA0	Siemens	SIE.7KM9300-0AE02-0AA0
-14Q1	1	SIRIUS Circuit breaker	3RV2411-1JA10	Siemens	SIE.3RV2411-1JA10
-14Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-14T1	1	Transformer	TM400-400	Elca	ELC.TM400-400
-14U1	1	Distributor	RPT3000	TEKNOMEGA	TKM.RPT 125-6 S
-15Q1	1	SIRIUS Circuit breaker	3RV2411-1FA10	Siemens	SIE.3RV2411-1FA10
-15Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-15Q2	1	Circui breaker	5SY6110-7	Siemens	SIE.5SY6110-7
-15T1	1	Transformer	TM225S230	Elca	ELC.TM225S230
-X230V	29	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-16Q1	1	Circui breaker 4A	5SY4204-7	Siemens	SIE.5SY4204-7
-16Q2	1	Differential block	5SM2322-0	Siemens	SIE.5SM2322-0
-16X1	1	Socket	M1173	ABB	ABB.2CSM110000R0701
-17H1	1	Lamp	050PE13C	Elfin	EF.050PE13C
-17H2	1	Lamp	050PE13C	Elfin	EF.050PE13C

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-17H3	1	Lamp	050PE13C	Elfin	EF.050PE13C
-17H4	1	Lamp	050PE13C	Elfin	EF.050PE13C
-17H5	1	Lamp	050PE13C	Elfin	EF.050PE13C
-17H6	1	Lamp	050PE13C	Elfin	EF.050PE13C
-17Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-17S1	1	Pick-up	050FI01	Elfin	EF.050FI01
-17S1	1	Contact	030FAP	Elfin	EF.030FAP
-17S2	1	Pick-up	050FI01	Elfin	EF.050FI01
-17S2	1	Contact	030FAP	Elfin	EF.030FAP
-17S3	1	Pick-up	050FI01	Elfin	EF.050FI01
-17S3	1	Contact	030FAP	Elfin	EF.030FAP
-17S4	1	Pick-up	050FI01	Elfin	EF.050FI01
-17S4	1	Contact	030FAP	Elfin	EF.030FAP
-17S5	1	Pick-up	050FI01	Elfin	EF.050FI01
-17S5	1	Contact	030FAP	Elfin	EF.030FAP
-17S6	1	Pick-up	050FI01	Elfin	EF.050FI01
-17S6	1	Contact	030FAP	Elfin	EF.030FAP
-18Q1	1	Circui breaker	5SY6102-7	Siemens	SIE.5SY6102-7
-18S1	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S1	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220
-18S2	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S2	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220
-18S3	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S3	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220
-18S4	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S4	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220
-18S5	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S5	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-18S6	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S6	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220
-19K1	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-19K1	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-19S1	1	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-19S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-19S2	1	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-19S2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-19S3	1	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-19S3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-19S4	2	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-19S4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S4	2	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-19S5	1	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S5	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-19S5	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S5	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-19S6	1	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S6	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-19S6	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S6	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-XC03	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-20K1	1	Temperature switch	THV02	Alfaplastic	ALF.THV02
-20M1	1	Top fan	DLK48BX0B	NVent	NV.DLK48BX0B
-20M1	6	Air filter for DLK ventilation tower	FIL35XN0B	NVent	NV.FIL35XN0B
-20M2	1	Top fan	DLK48BX0B	NVent	NV.DLK48BX0B
-20M2	6	Air filter for DLK ventilation tower	FIL35XN0B	NVent	NV.FIL35XN0B
-20M3	1	Top fan	DLK48BX0B	NVent	NV.DLK48BX0B
-20M3	6	Air filter for DLK ventilation tower	FIL35XN0B	NVent	NV.FIL35XN0B
-20Q1	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-20Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-21K1	1	Temperature switch	THV02	Alfaplastic	ALF.THV02
-21M1	1	Top fan	DLK25BX0B	NVent	NV.DLK25BX0B
-21M1	2	Air filter for DLK ventilation tower	FIL35XN0B	NVent	NV.FIL35XN0B
-21M2	1	Top fan	DLK25BX0B	NVent	NV.DLK25BX0B
-21M2	2	Air filter for DLK ventilation tower	FIL35XN0B	NVent	NV.FIL35XN0B
-21M3	1	Top fan	DLK25BX0B	NVent	NV.DLK25BX0B
-21M3	3	Air filter for DLK ventilation tower	FIL35XN0B	NVent	NV.FIL35XN0B
-21Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-21Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-25Q1	1	SIRIUS Circuit breaker	3RV2411-1JA10	Siemens	SIE.3RV2411-1JA10
-25Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-25Q2	1	Circui breaker	5SY6120-7	Siemens	SIE.5SY6120-7
-25Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-25T1	1	Transformer	TM250S230	Elca	ELC.TM250S230
-26G1	1	UPS	SRV6KIL	Schneider Electric	SE.SRV6KIL
-26G1	2	Battery	SRV240BP-9A	Schneider Electric	SE.SRV240BP-9A
-26G1	1	Management board	AP9544	Schneider Electric	SE.AP9544
-XUPS	5	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-XUPS	1	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-27Q2	1	Circui breaker	5SY6120-7	Siemens	SIE.5SY6120-7
-27Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-X230V	2	Terminal	STU 35/ 4X10	Phoenix Contact	PXC.3033126
-30Q1	1	SIRIUS Circuit breaker	3RV2411-1FA10	Siemens	SIE.3RV2411-1FA10
-30Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-30Q2	1	Circui breaker	5SY6110-7	Siemens	SIE.5SY6110-7
-30Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-30T1	1	Transformer	TM225S230	Elca	ELC.TM225S230
-31Q1	1	Circui breaker	5SY6102-7	Siemens	SIE.5SY6102-7
-31Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-32KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-32KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-32KM2	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-32KM2	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-32Q1	1	Circui breaker	5SY6506-7	Siemens	SIE.5SY6506-7
-32Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-40G1	1	Power supply unit	6EP1334-3BA10	Siemens	SIE.6EP1334-3BA10
-40Q1	1	Motor overload switch	3RV2011-1EA10	Siemens	SIE.3RV2011-1EA10
-40Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-40Q2	1	Circui breaker	5SY6110-7	Siemens	SIE.5SY6110-7
-40Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-X24V	37	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-41G1	1	Power supply unit	6EP1336-3BA10	Siemens	SIE.6EP1336-3BA10
-41Q1	1	Motor overload switch	3RV2011-1DA10	Siemens	SIE.3RV2011-1DA10
-41Q2	1	Circui breaker	5SY6120-7	Siemens	SIE.5SY6120-7
-41Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-42G1	1	Power supply unit	6EP3337-8SB00-0AY0	Siemens	SIE.6EP3337-8SB00-0AY0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-42Q1	1	SIRIUS Circuit breaker	3RV2411-1JA10	Siemens	SIE.3RV2411-1JA10
-42Q2	1	Circui breaker	5SY6140-7	Siemens	SIE.5SY6140-7
-42Q3	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-42Q4	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-42Q4	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-44G1	1	Power supply unit	6EP3437-8SB00-0AY0	Siemens	SIE.6EP3437-8SB00-0AY0
-44Q1	1	Motor overload switch	3RV2011-1DA10	Siemens	SIE.3RV2011-1DA10
-44Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-44Q2	1	Circui breaker	5SY6140-7	Siemens	SIE.5SY6140-7
-44Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-44Q3	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-44Q3	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-44Q4	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-44Q4	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-44Q5	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-44Q5	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-44Q6	1	Circui breaker	5SY6116-7	Siemens	SIE.5SY6116-7
-44Q6	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-44Q7	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-44Q7	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-46G1	1	Power supply unit	6EP3333-8SB00-0AY0	Siemens	SIE.6EP3333-8SB00-0AY0
-46Q1	1	Motor overload switch	3RV2011-1EA10	Siemens	SIE.3RV2011-1EA10
-46Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-47G1	1	Power supply unit	6EP1334-3BA10	Siemens	SIE.6EP1334-3BA10
-47Q1	1	Motor overload switch	3RV2011-1EA10	Siemens	SIE.3RV2011-1EA10
-47Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-X24V	1	Terminal	STU 35/ 4X10	Phoenix Contact	PXC.3033126
-60Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-60Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-60Q2	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-60Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-60Q3	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-60Q3	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP01	7	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XP01	3	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-61Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-61Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP02	3	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP02	1	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-62Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-62Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-62Q2	1	Circui breaker	5SY6116-7	Siemens	SIE.5SY6116-7
-62Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP03	3	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP03	1	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-XP03	2	Feed-through terminal	ST 16	Phoenix Contact	PXC.3036149
-XP03	1	Feed-through terminal	ST 16-PE	Phoenix Contact	PXC.3036165
-63Q1	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-63Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP04	3	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
-XP04	1	Feed-through terminal	ST 10-PE	Phoenix Contact	PXC.3036136
-64Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-64Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-64Q2	1	Circui breaker	5SY6110-7	Siemens	SIE.5SY6110-7
-64Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP08	3	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-XP08	1	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-XP08	2	Feed-through terminal	ST 16	Phoenix Contact	PXC.3036149
-XP08	1	Feed-through terminal	ST 16-PE	Phoenix Contact	PXC.3036165
-65Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-65Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-65Q2	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-65Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP09	5	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP09	2	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-XP09	6	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-66Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-66Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-66Q2	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-66Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP10	5	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP10	2	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-67Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-67Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-67Q2	1	Circui breaker	5SY6116-7	Siemens	SIE.5SY6116-7
-67Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-67Q3	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-67Q3	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP12	5	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP12	2	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-XP12	2	Feed-through terminal	ST 35	Phoenix Contact	PXC.3036178
-XP12	1	Feed-through terminal	ST 35-PE	Phoenix Contact	PXC.3036194
-68Q1	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-68Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-68Q2	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-68Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP13	5	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
-XP13	2	Feed-through terminal	ST 10-PE	Phoenix Contact	PXC.3036136
-69Q1	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-69Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP20	3	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XP20	1	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-75F1	3	Safety fuse	CH22 100A gG	Italweber	IW.1441099
-75F1	1	Fuse holder	BCH 3x58	Italweber	IW.2303058
-75F2	3	Safety fuse	CH22 125A gG	Italweber	IW.1441100
-75F2	1	Fuse holder	BCH 3x58	Italweber	IW.2303058
-75F3	3	Safety fuse	CH10 20A gG	Italweber	IW.1421020
-75F3	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-75F4	3	Safety fuse	CH10 10A gG	Italweber	IW.1421010
-75F4	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-75F5	3	Safety fuse	CH10 20A gG	Italweber	IW.1421020
-75F5	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-XMC	3	Feed-through terminal	ST 35	Phoenix Contact	PXC.3036178
-XMC	2	Feed-through terminal	ST 35-PE	Phoenix Contact	PXC.3036194
-XMC	3	High-current terminal block	UKH 95	Phoenix Contact	PXC.3010013
-XMC	6	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XMC	2	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-XMC	3	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XMC	1	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-76Q1	1	Circui breaker	5SY6102-7	Siemens	SIE.5SY6102-7
-76Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-76Q2	1	Circui breaker	5SY6102-7	Siemens	SIE.5SY6102-7

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-76Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-X28P	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X28P	2	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-80KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-80KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-80KM2	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-80KM2	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-85Q1	1	Circui breaker	5SY6204-7	Siemens	SIE.5SY6204-7
-85Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-85Q2	1	Circui breaker	5SY6204-7	Siemens	SIE.5SY6204-7
-85Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-85Q3	1	Circui breaker	5SY6204-7	Siemens	SIE.5SY6204-7
-85Q3	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-90A1	1	SINAMICS Control Unit CU320-2 PN	6SL3040-1MA01-0AA0	Siemens	SIE.6SL3040-1MA01-0AA0
-90A1	1	CompactFlash Card	6SL3054-0FC31-1BA0	Siemens	SIE.6SL3054-0FC31-1BA0
-90A1	1	BOP-20	6SL3055-0AA00-4BA0	Siemens	SIE.6SL3055-0AA00-4BA0
-90K1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-91A1	1	SINAMICS Control Unit CU320-2 PN	6SL3040-1MA01-0AA0	Siemens	SIE.6SL3040-1MA01-0AA0
-91A1	1	CompactFlash Card	6SL3054-0FC31-1BA0	Siemens	SIE.6SL3054-0FC31-1BA0
-91A1	1	BOP-20	6SL3055-0AA00-4BA0	Siemens	SIE.6SL3055-0AA00-4BA0
-92A1	1	SINAMICS Control Unit CU320-2 PN	6SL3040-1MA01-0AA0	Siemens	SIE.6SL3040-1MA01-0AA0
-92A1	1	CompactFlash Card	6SL3054-0FC31-1BA0	Siemens	SIE.6SL3054-0FC31-1BA0
-92A1	1	BOP-20	6SL3055-0AA00-4BA0	Siemens	SIE.6SL3055-0AA00-4BA0
-95F1	3	Fuse 630A	3NE1436-2	Siemens	SIE.3NE1436-2
-95F1	1	Fuse disconnecter	3KF5363-0LF11	Siemens	SIE.3KF5363-0LF11
-95F1	1	Handle	3KF9501-1AA00	Siemens	SIE.3KF9501-1AA00
-95F1	1	Cover	3KD9504-6	Siemens	SIE.3KD9504-6
-95T1	1	SINAMICS S120 Active Interface Module 300kW	6SL3300-7TE35-0AA1	Siemens	SIE.6SL3300-7TE35-0AA1

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-96T1	1	SINAMICS S120 Active Line Module 300kW	6SL3330-7TE35-0AA3	Siemens	SIE.6SL3330-7TE35-0AA3
-100T1	1	Sinamics S120 Single Motor Module 9A	6SL3120-1TE21-0AD0	Siemens	SIE.6SL3120-1TE21-0AD0
-100T1	1	SINAMICS S120 Motor Power Connector	6SL3162-2MB00-0AC0	Siemens	SIE.6SL3162-2MB00-0AC0
-105T1	1	Sinamics S120 Double Motor Module 18A x 2	6SL3120-2TE21-8AC0	Siemens	SIE.6SL3120-2TE21-8AC0
-105T1	2	SINAMICS S120 Motor Power Connector	6SL3162-2MB00-0AC0	Siemens	SIE.6SL3162-2MB00-0AC0
-107T1	1	Sinamics S120 Double Motor Module 18A x 2	6SL3120-2TE21-8AC0	Siemens	SIE.6SL3120-2TE21-8AC0
-107T1	2	SINAMICS S120 Motor Power Connector	6SL3162-2MB00-0AC0	Siemens	SIE.6SL3162-2MB00-0AC0
-110KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-110KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-110KM2	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-110KM2	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-110Q1	1	Motor overload switch	3RV2011-1GA10	Siemens	SIE.3RV2011-1GA10
-110Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-110Q2	1	Motor overload switch	3RV2011-1GA10	Siemens	SIE.3RV2011-1GA10
-110Q2	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-110T1	1	Transformer	MAC022PROG42	FRER	FRER.MAC022PROG42
-110T2	1	Transformer	MAC022PROG42	FRER	FRER.MAC022PROG42
-XR	12	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XR	2	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-111KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-111KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-111KM2	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-111KM2	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-111Q1	1	Motor overload switch	3RV2011-1GA10	Siemens	SIE.3RV2011-1GA10
-111Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-111Q2	1	Motor overload switch	3RV2011-1GA10	Siemens	SIE.3RV2011-1GA10
-111Q2	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-111T1	1	Transformer	MAC022PROG42	FRER	FRER.MAC022PROG42

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-111T2	1	Transformer	MAC022PROG42	FRER	FRER.MAC022PROG42
-115T1	1	Sinamics S120 Single Motor Module 260A	6SL3320-1TE32-6AA3	Siemens	SIE.6SL3320-1TE32-6AA3
-116KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-116KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-116Q1	1	Circui breaker	5SY6116-7	Siemens	SIE.5SY6116-7
-116Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XM	38	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XM	15	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-117KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-117KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-117Q1	1	Motor overload switch	3RV2011-1CA10	Siemens	SIE.3RV2011-1CA10
-117Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-117Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-120T1	1	Sinamics S120 Single Motor Module 260A	6SL3320-1TE32-6AA3	Siemens	SIE.6SL3320-1TE32-6AA3
-121KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-121KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-121Q1	1	Circui breaker	5SY6116-7	Siemens	SIE.5SY6116-7
-121Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-122KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-122KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-122Q1	1	Motor overload switch	3RV2011-1CA10	Siemens	SIE.3RV2011-1CA10
-122Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-122Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-125KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-125KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-125KM1	1	Kit interlock	3RA2923-2AA1	Siemens	SIE.3RA2913-2AA1
-125KM2	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-125KM2	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-125Q1	1	Motor overload switch	3RV2011-1BA10	Siemens	SIE.3RV2011-1BA10
-125Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-126KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-126KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-126KM1	1	Kit interlock	3RA2923-2AA1	Siemens	SIE.3RA2913-2AA1
-126KM2	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-126KM2	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-126Q1	1	Motor overload switch	3RV2011-1DA10	Siemens	SIE.3RV2011-1DA10
-126Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-130T1	1	Sinamics S120 Double Motor Module 9A x 2	6SL3120-2TE21-0AD0	Siemens	SIE.6SL3120-2TE21-0AD0
-130T1	2	SINAMICS S120 Motor Power Connector	6SL3162-2MB00-0AC0	Siemens	SIE.6SL3162-2MB00-0AC0
-132L1	1	SINAMICS Output Reactor 6,1A	6SL3202-0AE16-1CA0	Siemens	SIE.6SL3202-0AE16-1CA0
-132Q1	1	Motor overload switch	3RV2011-1JA10	Siemens	SIE.3RV2011-1JA10
-132Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-132T1	1	SINAMICS G120C 0,55kW	6SL3210-1KE11-8AF2	Siemens	SIE.6SL3210-1KE11-8AF2
-133L1	1	SINAMICS Output Reactor 6,1A	6SL3202-0AE16-1CA0	Siemens	SIE.6SL3202-0AE16-1CA0
-133Q1	1	Motor overload switch	3RV2011-1JA10	Siemens	SIE.3RV2011-1JA10
-133Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-133T1	1	SINAMICS G120C 0,55kW	6SL3210-1KE11-8AF2	Siemens	SIE.6SL3210-1KE11-8AF2
-135KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-135KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-135KM1	1	Kit interlock	3RA2923-2AA1	Siemens	SIE.3RA2913-2AA1
-135KM2	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-135KM2	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-135KM3	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-135KM3	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-135KM3	1	Kit interlock	3RA2923-2AA1	Siemens	SIE.3RA2913-2AA1
-135KM4	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-135KM4	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-140T1	1	Sinamics S120 Double Motor Module 18A x 2	6SL3120-2TE21-8AC0	Siemens	SIE.6SL3120-2TE21-8AC0
-140T1	2	SINAMICS S120 Motor Power Connector	6SL3162-2MB00-0AC0	Siemens	SIE.6SL3162-2MB00-0AC0
-145Q1	1	Motor overload switch	3RV2031-4WA10	Siemens	SIE.3RV2031-4WA10
-145Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-145T1	1	SINAMICS G120C 15kW	6SL3210-1KE23-2AF1	Siemens	SIE.6SL3210-1KE23-2AF1
-146Q1	1	Motor overload switch	3RV2031-4WA10	Siemens	SIE.3RV2031-4WA10
-146Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-146T1	1	SINAMICS G120C 15kW	6SL3210-1KE23-2AF1	Siemens	SIE.6SL3210-1KE23-2AF1
-XM	6	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
-XM	2	Feed-through terminal	ST 10-PE	Phoenix Contact	PXC.3036136
-XM	2	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-148KM1	1	Contactor 22 kW	3RT2036-1AP00	Siemens	SIE.3RT2036-1AP00
-148KM1	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-148KM1	1	Kit seeries	3RA2936-1A	Siemens	SIE.3RA2936-1A
-148KM2	1	Contactor 22 kW	3RT2036-1AP00	Siemens	SIE.3RT2036-1AP00
-148KM2	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-148KM2	1	Kit seeries	3RA2936-1A	Siemens	SIE.3RA2936-1A
-148KM3	1	Contactor 22 kW	3RT2036-1AP00	Siemens	SIE.3RT2036-1AP00
-148KM3	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-148KM3	1	Kit interlock	3RA2923-2AA1	Siemens	SIE.3RA2913-2AA1
-148KM3	1	Kit seeries	3RA2936-1A	Siemens	SIE.3RA2936-1A
-148KM4	1	Contactor 22 kW	3RT2036-1AP00	Siemens	SIE.3RT2036-1AP00
-148KM4	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-148KM4	1	Kit seeries	3RA2936-1A	Siemens	SIE.3RA2936-1A
-150K1	1	Timer	3RP2574-1NW30	Siemens	SIE.3RP2574-1NW30
-150KM1	1	Contactor 30 kW	3RT2037-1AL20	Siemens	SIE.3RT2037-1AL20
-150KM1	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00

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Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-150KM2	1	Contactor 18,5 kW	3RT2035-1AL20	Siemens	SIE.3RT2035-1AL20
-150KM2	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-150KM2	1	Kit star-trick	3RA2933-2C	Siemens	SIE.3RA2933-2C
-150KM2	1	Mechanical interlock	3RA2934-2B	Siemens	SIE.3RA2934-2B
-150KM3	1	Contactor 18,5 kW	3RT2035-1AL20	Siemens	SIE.3RT2035-1AL20
-150KM3	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-150KM4	1	Contactor 11 kW	3RT2026-1AL20	Siemens	SIE.3RT2026-1AL20
-150KM4	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-150KM4	1	Auxiliary contact 2 NO + 2 NC	3RH2911-1HA22	Siemens	SIE.3RH2911-1HA22
-150Q1	1	Motor overload switch	3RV2031-4XA10	Siemens	SIE.3RV2031-4XA10
-150Q1	1	Auxiliary contact 2 NO	3RV2901-1F	Siemens	SIE.3RV2901-1F
-150T1	1	Transformer	MAC032PROG42	FRER	FRER.MAC032PROG42
-XM2	6	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
-XM2	2	Feed-through terminal	ST 10-PE	Phoenix Contact	PXC.3036136
-151KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-151KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-151Q1	1	Motor overload switch	3RV2011-1EA10	Siemens	SIE.3RV2011-1EA10
-151Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-151Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-XM2	15	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XM2	5	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-152KM1	1	Contactor 5,5 kW	3RT2017-1AP02	Siemens	SIE.3RT2017-1AP02
-152KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-152Q1	1	Motor overload switch	3RV2011-1HA10	Siemens	SIE.3RV2011-1HA10
-152Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-152Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-153KM1	1	Contactor 5,5 kW	3RT2017-1AP02	Siemens	SIE.3RT2017-1AP02
-153KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-153Q1	1	Motor overload switch	3RV2011-1HA10	Siemens	SIE.3RV2011-1HA10
-153Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-153Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-165T1	1	Sinamics S120 Single Motor Module 85A	6SL3120-1TE28-5AA3	Siemens	SIE.6SL3120-1TE28-5AA3
-165T1	1	SINAMICS Shield Connection Plate 200mm	6SL3162-1AH01-0AA0	Siemens	SIE.6SL3162-1AH01-0AA0
-165T1	1	SINAMICS S120 Intermediate Circuit Power Supply Adapter	6SL3162-2BM00-0AA0	Siemens	SIE.6SL3162-2BM00-0AA0
-165T1	1	SINAMICS S120 Terminal Adapter 24Vdc	6SL3162-2AA00-0AA0	Siemens	SIE.6SL3162-2AA00-0AA0
-166KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-166KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-166Q1	1	Motor overload switch	3RV2011-0FA10	Siemens	SIE.3RV2011-0FA10
-166Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-166Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-167KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-167KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-167Q1	1	Motor overload switch	3RV2011-1CA10	Siemens	SIE.3RV2011-1CA10
-167Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-167Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-168KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-168KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-168Q1	1	Motor overload switch	3RV2011-0AA10	Siemens	SIE.3RV2011-0AA10
-168Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-168Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-170L1	1	SINAMICS Output Reactor 18,5A	6SL3202-0AE21-8CA0	Siemens	SIE.6SL3202-0AE21-8CA0
-170Q1	1	Motor overload switch	3RV2021-4EA10	Siemens	SIE.3RV2021-4EA10
-170Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-170R1	1	Resistance	6SL3201-0BE21-8AA0	Siemens	SIE.6SL3201-0BE21-8AA0
-170T1	1	SINAMICS G120C 5,5kW	6SL3210-1KE21-3AF1	Siemens	SIE.6SL3210-1KE21-3AF1
-172KM1	1	Contactor 11 kW	3RT2026-1AL20	Siemens	SIE.3RT2026-1AL20

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-172KM1	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-172KM1	1	Kit seeries	3RA2926-1A	Siemens	SIE.3RA2926-1A
-172KM2	1	Contactor 11 kW	3RT2026-1AL20	Siemens	SIE.3RT2026-1AL20
-172KM2	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-172KM2	1	Kit seeries	3RA2926-1A	Siemens	SIE.3RA2926-1A
-173KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-173KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-173Q1	1	Motor overload switch	3RV2011-0JA10	Siemens	SIE.3RV2011-0JA10
-173Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-173Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-175F1	1	Fuse holder	3NP1133-1JC10	Siemens	SIE.3NP1133-1JC10
-175F1	3	Safety fuse	3ND1832	Siemens	SIE.3ND1832
-175F2	1	Thermal relay	3RU2136-4JB1	Siemens	SIE.3RU2136-4JB1
-175K1	1	Timer	3RP2574-1NW30	Siemens	SIE.3RP2574-1NW30
-175KM1	1	Contactor 55 kW	3RT2047-1AL20	Siemens	SIE.3RT2047-1AL20
-175KM1	1	Surge suppressor	3RT2946-1CD00	Siemens	SIE.3RT2945-1CD00
-175KM2	1	Contactor 30 kW	3RT2037-1AL20	Siemens	SIE.3RT2037-1AL20
-175KM2	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-175KM2	1	Kit star-trick	3RA2933-2BB1	Siemens	SIE.3RA2933-2BB1
-175KM2	1	Mechanical interlock	3RA2934-2B	Siemens	SIE.3RA2934-2B
-175KM3	1	Contactor 30 kW	3RT2037-1AL20	Siemens	SIE.3RT2037-1AL20
-175KM3	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-175KM4	1	Contactor 18,5 kW	3RT2035-1AL20	Siemens	SIE.3RT2035-1AL20
-175KM4	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-175KM4	1	Auxiliary contact 2 NO + 2 NC	3RH2911-1HA22	Siemens	SIE.3RH2911-1HA22
-175T1	1	Transformer	MAC032PROG42	FRER	FRER.MAC032PROG42
-XM2	30	Feed-through terminal	ST 35	Phoenix Contact	PXC.3036178
-XM2	10	Feed-through terminal	ST 35-PE	Phoenix Contact	PXC.3036194

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-176F1	1	Fuse holder	3NP1133-1JC10	Siemens	SIE.3NP1133-1JC10
-176F1	3	Safety fuse	3ND1832	Siemens	SIE.3ND1832
-176F2	1	Thermal relay	3RU2136-4JB1	Siemens	SIE.3RU2136-4JB1
-176K1	1	Timer	3RP2574-1NW30	Siemens	SIE.3RP2574-1NW30
-176KM1	1	Contactor 55 kW	3RT2047-1AL20	Siemens	SIE.3RT2047-1AL20
-176KM1	1	Surge suppressor	3RT2946-1CD00	Siemens	SIE.3RT2945-1CD00
-176KM2	1	Contactor 30 kW	3RT2037-1AL20	Siemens	SIE.3RT2037-1AL20
-176KM2	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-176KM2	1	Kit star-trick	3RA2933-2BB1	Siemens	SIE.3RA2933-2BB1
-176KM2	1	Mechanical interlock	3RA2934-2B	Siemens	SIE.3RA2934-2B
-176KM3	1	Contactor 30 kW	3RT2037-1AL20	Siemens	SIE.3RT2037-1AL20
-176KM3	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-176KM4	1	Contactor 18,5 kW	3RT2035-1AL20	Siemens	SIE.3RT2035-1AL20
-176KM4	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-176KM4	1	Auxiliary contact 2 NO + 2 NC	3RH2911-1HA22	Siemens	SIE.3RH2911-1HA22
-176T1	1	Transformer	MAC032PROG42	FRER	FRER.MAC032PROG42
-177F1	1	Fuse holder	3NP1133-1JC10	Siemens	SIE.3NP1133-1JC10
-177F1	3	Safety fuse	3ND1832	Siemens	SIE.3ND1832
-177F2	1	Thermal relay	3RU2136-4JB1	Siemens	SIE.3RU2136-4JB1
-177K1	1	Timer	3RP2574-1NW30	Siemens	SIE.3RP2574-1NW30
-177KM1	1	Contactor 55 kW	3RT2047-1AL20	Siemens	SIE.3RT2047-1AL20
-177KM1	1	Surge suppressor	3RT2946-1CD00	Siemens	SIE.3RT2945-1CD00
-177KM2	1	Contactor 30 kW	3RT2037-1AL20	Siemens	SIE.3RT2037-1AL20
-177KM2	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-177KM2	1	Kit star-trick	3RA2933-2BB1	Siemens	SIE.3RA2933-2BB1
-177KM2	1	Mechanical interlock	3RA2934-2B	Siemens	SIE.3RA2934-2B
-177KM3	1	Contactor 30 kW	3RT2037-1AL20	Siemens	SIE.3RT2037-1AL20
-177KM3	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-177KM4	1	Contactor 18,5 kW	3RT2035-1AL20	Siemens	SIE.3RT2035-1AL20
-177KM4	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-177KM4	1	Auxiliary contact 2 NO + 2 NC	3RH2911-1HA22	Siemens	SIE.3RH2911-1HA22
-177T1	1	Transformer	MAC032PROG42	FRER	FRER.MAC032PROG42
-178KM1	1	Contactor 11 kW	3RT2026-1AL20	Siemens	SIE.3RT2026-1AL20
-178KM1	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-178KM2	1	Contactor 11 kW	3RT2026-1AL20	Siemens	SIE.3RT2026-1AL20
-178KM2	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-178Q1	1	Motor overload switch	3RV2021-4DA10	Siemens	SIE.3RV2021-4DA10
-178Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-178Q1	1	Connction module	3RA2921-1AA00	Siemens	SIE.3RA2921-1AA00
-178Q2	1	Motor overload switch	3RV2021-4DA10	Siemens	SIE.3RV2021-4DA10
-178Q2	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-178Q2	1	Connction module	3RA2921-1AA00	Siemens	SIE.3RA2921-1AA00
-XM2	6	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XM2	2	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-179KM1	1	Contactor 5,5 kW	3RT2017-1AP02	Siemens	SIE.3RT2017-1AP02
-179KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-179Q1	1	Motor overload switch	3RV2011-4AA10	Siemens	SIE.3RV2011-4AA10
-179Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-179Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-180K1	1	Timer	3RP2574-1NW30	Siemens	SIE.3RP2574-1NW30
-180KM1	1	Contactor 37 kW	3RT2038-1AL20	Siemens	SIE.3RT2038-1AL20
-180KM1	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-180KM2	1	Contactor 18,5 kW	3RT2035-1AL20	Siemens	SIE.3RT2035-1AL20
-180KM2	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-180KM2	1	Kit star-trick	3RA2933-2C	Siemens	SIE.3RA2933-2C
-180KM2	1	Mechanical interlock	3RA2934-2B	Siemens	SIE.3RA2934-2B

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-180KM3	1	Contactor 18,5 kW	3RT2035-1AL20	Siemens	SIE.3RT2035-1AL20
-180KM3	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-180KM4	1	Contactor 15 kW	3RT2027-1AL20	Siemens	SIE.3RT2027-1AL20
-180KM4	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-180KM4	1	Auxiliary contact 2 NO + 2 NC	3RH2911-1HA22	Siemens	SIE.3RH2911-1HA22
-180Q1	1	Motor overload switch	3RV2031-4KA10	Siemens	SIE.3RV2031-4KA10
-180Q1	1	Auxiliary contact 2 NO	3RV2901-1F	Siemens	SIE.3RV2901-1F
-180T1	1	Transformer	MAC032PROG42	FRER	FRER.MAC032PROG42
-181K1	1	Timer	3RP2574-1NW30	Siemens	SIE.3RP2574-1NW30
-181KM1	1	Contactor 37 kW	3RT2038-1AL20	Siemens	SIE.3RT2038-1AL20
-181KM1	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-181KM2	1	Contactor 18,5 kW	3RT2035-1AL20	Siemens	SIE.3RT2035-1AL20
-181KM2	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-181KM2	1	Kit star-trick	3RA2933-2C	Siemens	SIE.3RA2933-2C
-181KM2	1	Mechanical interlock	3RA2934-2B	Siemens	SIE.3RA2934-2B
-181KM3	1	Contactor 18,5 kW	3RT2035-1AL20	Siemens	SIE.3RT2035-1AL20
-181KM3	1	Surge suppressor	3RT2936-1CD00	Siemens	SIE.3RT2936-1CD00
-181KM4	1	Contactor 15 kW	3RT2027-1AL20	Siemens	SIE.3RT2027-1AL20
-181KM4	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-181KM4	1	Auxiliary contact 2 NO + 2 NC	3RH2911-1HA22	Siemens	SIE.3RH2911-1HA22
-181Q1	1	Motor overload switch	3RV2031-4KA10	Siemens	SIE.3RV2031-4KA10
-181Q1	1	Auxiliary contact 2 NO	3RV2901-1F	Siemens	SIE.3RV2901-1F
-181T1	1	Transformer	MAC032PROG42	FRER	FRER.MAC032PROG42
-183KM1	1	Contactor 5,5 kW	3RT2017-1AP02	Siemens	SIE.3RT2017-1AP02
-183KM1	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-183KM2	1	Contactor 5,5 kW	3RT2017-1AP02	Siemens	SIE.3RT2017-1AP02
-183KM2	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-183Q1	1	Motor overload switch	3RV2011-1JA10	Siemens	SIE.3RV2011-1JA10

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-183Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-183Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-183Q2	1	Motor overload switch	3RV2011-1JA10	Siemens	SIE.3RV2011-1JA10
-183Q2	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-183Q2	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-XM2	9	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XM2	3	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-184KM1	1	Contactor 4 kW	3RT2016-1AP02	Siemens	SIE.3RT2016-1AP02
-184KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-184Q1	1	Motor overload switch	3RV2011-1HA10	Siemens	SIE.3RV2011-1HA10
-184Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-184Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-190A1	1	Switch 8 door(s)	6GK5208-0BA00-2AB2	Siemens	SIE.6GK5208-0BA00-2AB2
-191A1	1	Switch 8 door(s)	6GK5008-0BA10-1AB2	Siemens	SIE.6GK5008-0BA10-1AB2
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A2	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A5	1	Digita output card	6ES7136-6DB00-0CA0	Siemens	SIE.6ES7136-6DB00-0CA0
-200A5	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A6	1	Digita output card	6ES7136-6DB00-0CA0	Siemens	SIE.6ES7136-6DB00-0CA0
-200A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A1	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-201A1	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-201A2	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-201A2	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A3	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-201A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A4	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-201A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A5	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-201A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A6	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-201A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A7	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-201A7	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A8	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-201A8	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A9	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-201A9	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A10	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-201A10	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-201A11	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-201A11	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A12	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-201A12	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A13	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-201A13	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-202A1	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-202A1	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-202A2	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-202A2	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-202A3	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-202A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-202A4	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-202A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-202A5	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-202A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-202A6	1	Analog output card	6ES7135-6HD00-0BA1	Siemens	SIE.6ES7135-6HD00-0BA1
-202A6	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-210S1	2	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-210S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-210S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-210S1	2	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-220K1	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K1	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-220K2	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K2	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-220K3	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K3	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-220K4	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K4	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-220K5	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K5	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-220K6	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K6	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-220K7	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K7	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-220K8	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K8	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-221K1	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40

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Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-221K1	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-221K2	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-221K2	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-221K3	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-221K3	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-221K4	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-221K4	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-240SH1	2	Pushbutton	ZB4BW363	Schneider Electric	SE.ZB4BW363
-240SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-240SH1	2	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-245S1	1	Temperature switch	THV02	Alfaplastic	ALF.THV02
-X28	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X28	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X28	8	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X35	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X35	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X35	4	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
-XAI	3	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-270K1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list


Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-271K1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271K2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271K3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271K4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271K5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271K6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271K7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271K8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272K1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272K2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272K3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272K4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272K5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272K6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272K7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272K8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273K1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273K2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273K3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273K4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273K5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273K6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273K7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273K8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274K1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274K2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274K3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274K4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list









Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-274K5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274K6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274K7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274K8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-275H1	2	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-275H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-275H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-275H1	2	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-275K1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-275K2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-275K3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-275K4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-275K5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-275K6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-275K7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-X35	10	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-276K1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-276K2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-276K3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-276K4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-276K5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-276K6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-276K7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-276K8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-X35A	3	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-390M1	6	VX modular cabinets	VX.8208000	Rittal	RIT.8208000
-390M1	1	Side panel, screw-fastened, sheet steel	VX.8108245	Rittal	RIT.8108245
-390M1	5	Baying connector, external	VX.8617502	Rittal	RIT.8617502

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-390M1	1	Wiring plan pocket of sheet steel	PS.4116000	Rittal	RIT.4116000
-390M1	5	TS intermediate mounting panel	TS.4591700	Rittal	RIT.4591700
-390M1	5	Baying cover, top	TS.8800885	Rittal	RIT.8800885
-390M1	6	Base element	VX.8660007	Rittal	RIT.8660007
-390M1	1	Base element	VX.8660034	Rittal	RIT.8660034
-391S1	6	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	6	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3
+JB22-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB22-X22	5	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB22-397M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB22-397M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB22-397M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB28-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB28-X28	5	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB28-X28	2	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
+JB28-395M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB28-395M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB28-395M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB40-XM	6	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
+JB40-XM	2	Feed-through terminal	ST 10-PE	Phoenix Contact	PXC.3036136
+JB40-XM	2	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
+JB40-396M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB40-396M1	1	Mounting plate	KX.1560800	Rittal	RIT.1560800
+JB40-396M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB60-XM	4	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
+JB60-XM	1	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
+JB60-398M1	1	KX Box	KX.1514000	Rittal	RIT.1514000
+JB60-398M1	1	Mounting plate	KX.1560800	Rittal	RIT.1560800

Date	13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	COVER			+ C03	60-04-90A	+C01&DIST/500.
Ed.	UTE									
Rev	08/08/2025	08/08/2025								
Rev	1	=> 1								
								r43.52	00-2400000	1 2

WIRES COLOR TABLE

 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

0		1		2		3		4		5		6		7		8	
Table of contents																	
Assignment				Page		Page description								Revision		Edited by	
+C03				SECONDARY CABINET													
				1		COVER								1		UTE	
				2		WIRES COLOR TABLE								1		UTE	
				4		Table of contents								1		UTE	
				4.a		Table of contents								1		UTE	
				4.b		Table of contents								1		UTE	
				10		Supply Line								1		UTE	
				11		Power supply panel C01								1		UTE	
				12		Power supply upstream								1		UTE	
				13		Network analyzer								1		UTE	
				15		Power supply auxiliary 230 vac auxiliaries								1		UTE	
				16		Internal panel services								1		UTE	
				17		Light cabinet								1		UTE	
				18		Blinking cabinet door								1		UTE	
				19		Minimum voltage coil								1		UTE	
				20		Fan cabinet								1		UTE	
				25		Power supply auxiliary 230 Vac								1		UTE	
				26		UPS								1		UTE	
				27		Power supply auxiliary 230 Vac UPS								1		UTE	
				40		Power supply auxiliary 24 Vdc CPU - Switch								1		UTE	
				41		Power supply auxiliary 24 Vdc PLC								1		UTE	
				43		Power supply auxiliary 24 Vdc PLC								1		UTE	
				46		Distribution 0 Vdc								1		UTE	
60		Power supply P31								1		UTE					
61		Power supply P32								1		UTE					
76		Power supply external machines								1		UTE					
80		Auxiliary circuit command								1		UTE					
100		Motor pump hot water delivery								1		UTE					
105		Motor 1 auxiliary skid								1		UTE					


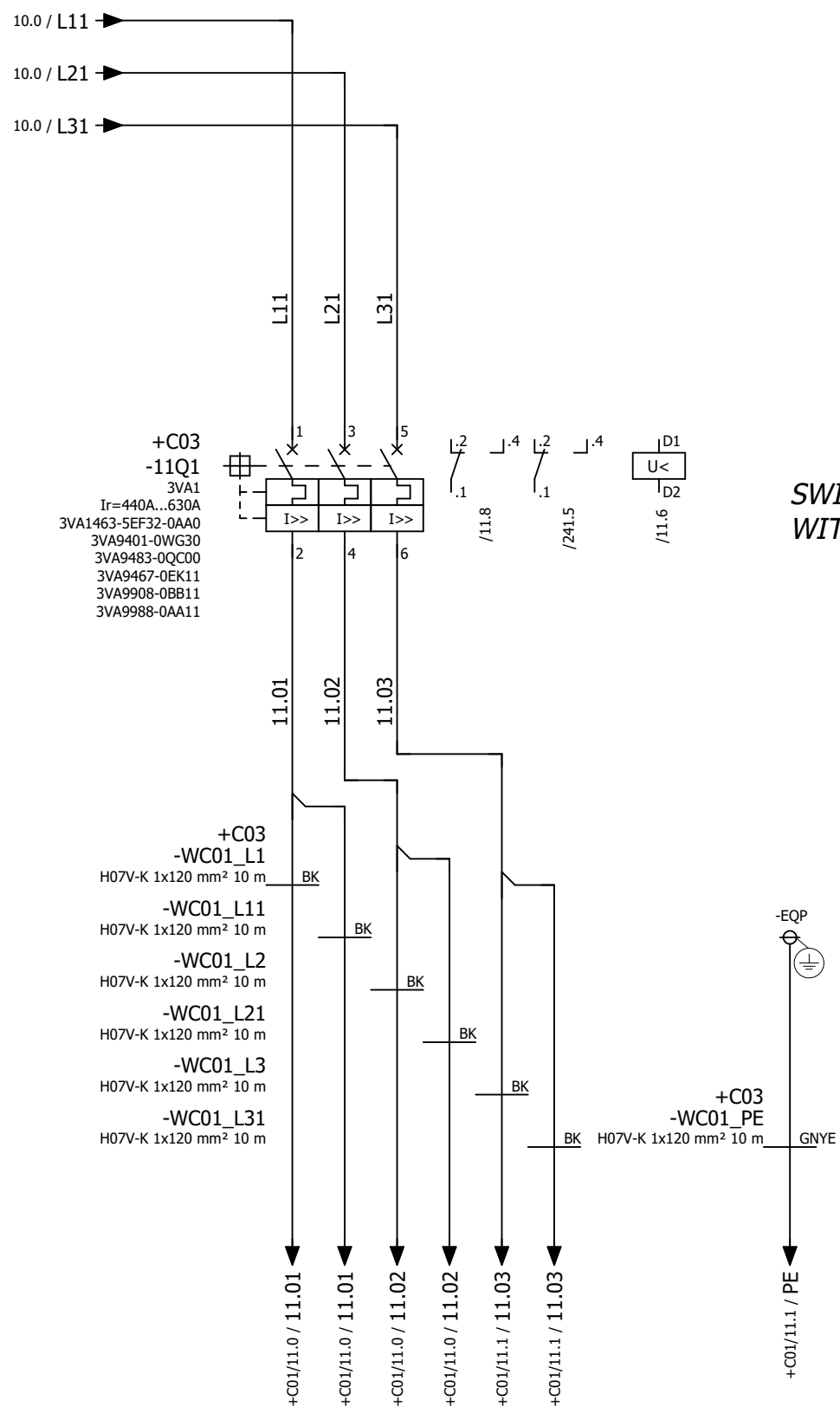
ate	13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Table of contents	+ C03 60-04-90A		2	<
i.	UTE								
ev	08/08/2025	08/08/2025							
ev	1	=> 1						r43.52	00-2400000

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Assignment	Page	Page description	Revision	Edited by
+C03		SECONDARY CABINET		
	106	Motor 2 auxiliary skid	1	UTE
	107	Motors auxiliary skid	1	UTE
	108	Motors auxiliary skid	1	UTE
	110	Motor pump 1 cold water delivery	1	UTE
	111	Motor pump 2 cold water delivery	1	UTE
	112	Motors cold water feed pumps	1	UTE
	113	Motors cold water feed pumps	1	UTE
	115	Casting water heating resistances	1	UTE
	116	Casting water heating resistances	1	UTE
	190	Switch	1	UTE
	195	CPU	1	UTE
	200	PLC	1	UTE
	210	Digital safety input	1	UTE
	211	Digital safety input	1	UTE
	220	Safety digital output	1	UTE
	240	Digital inputs	1	UTE
	241	Digital inputs	1	UTE
	242	Digital inputs	1	UTE
	243	Digital inputs	1	UTE
	244	Digital inputs	1	UTE
	245	Digital inputs	1	UTE
	270	Digital outputs	1	UTE
	271	Digital outputs	1	UTE
	290	Analog output	1	UTE
	380	Terminal strip	1	UTE
	390	External layout	1	UTE
	391	External layout	1	UTE
	392	Internal layout	1	UTE

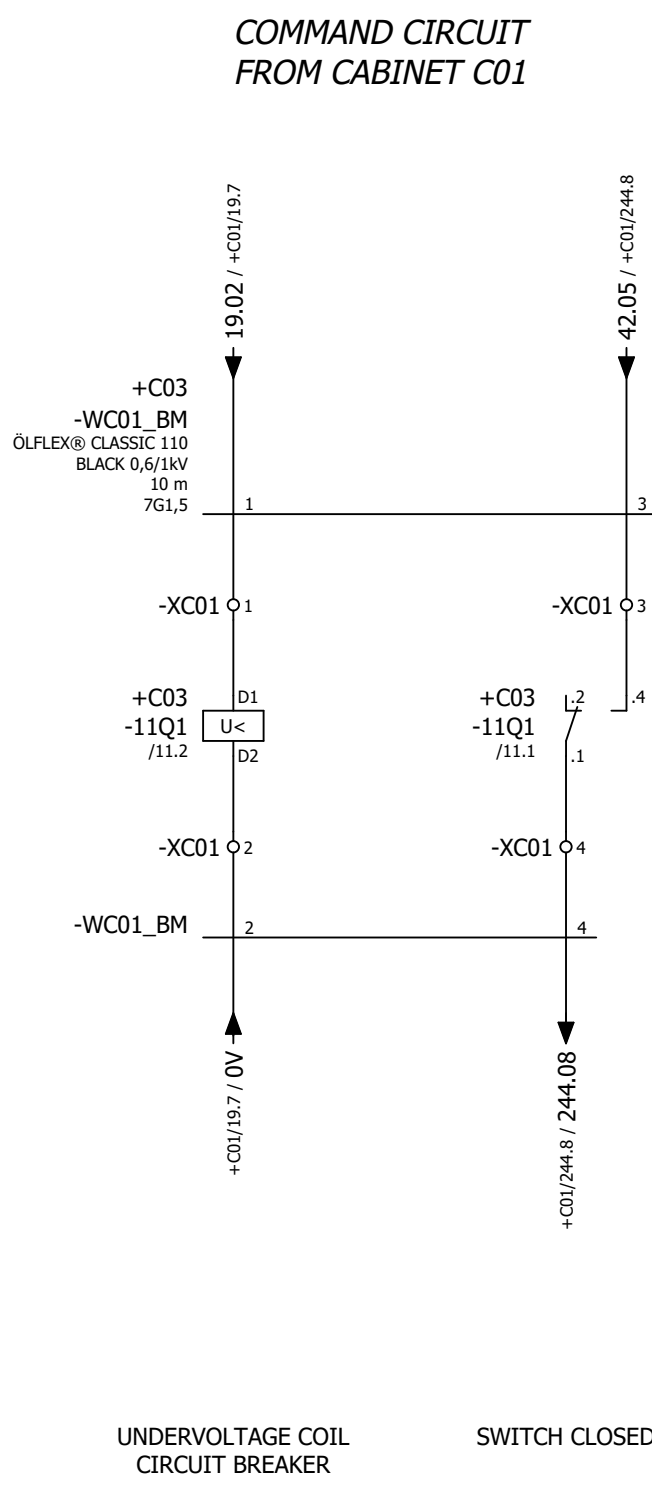
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Assignment	Page	Page description	Revision	Edited by
+C03		SECONDARY CABINET		
	400	Terminal diagram =+C03-X24V	1	UTE
	400.a	Terminal diagram =+C03-X24V	1	UTE
	401	Terminal diagram =+C03-X50	1	UTE
	402	Terminal diagram =+C03-X230V	1	UTE
	402.a	Terminal diagram =+C03-X230V	1	UTE
	403	Terminal diagram =+C03-XC01	1	UTE
	404	Terminal diagram =+C03-XEXT1P	1	UTE
	405	Terminal diagram =+C03-XM	1	UTE
	405.a	Terminal diagram =+C03-XM	1	UTE
	406	Terminal diagram =+C03-XP	1	UTE
	407	Terminal diagram =+C03-XP31	1	UTE
	408	Terminal diagram =+C03-XP32	1	UTE
	409	Terminal diagram =+C03-XR	1	UTE
	410	Terminal diagram =+C03-XUPS	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE
	500.c	Parts list	1	UTE
	500.d	Parts list	1	UTE
	500.e	Parts list	1	UTE
	500.f	Parts list	1	UTE
	500.g	Parts list	1	UTE
	500.h	Parts list	1	UTE



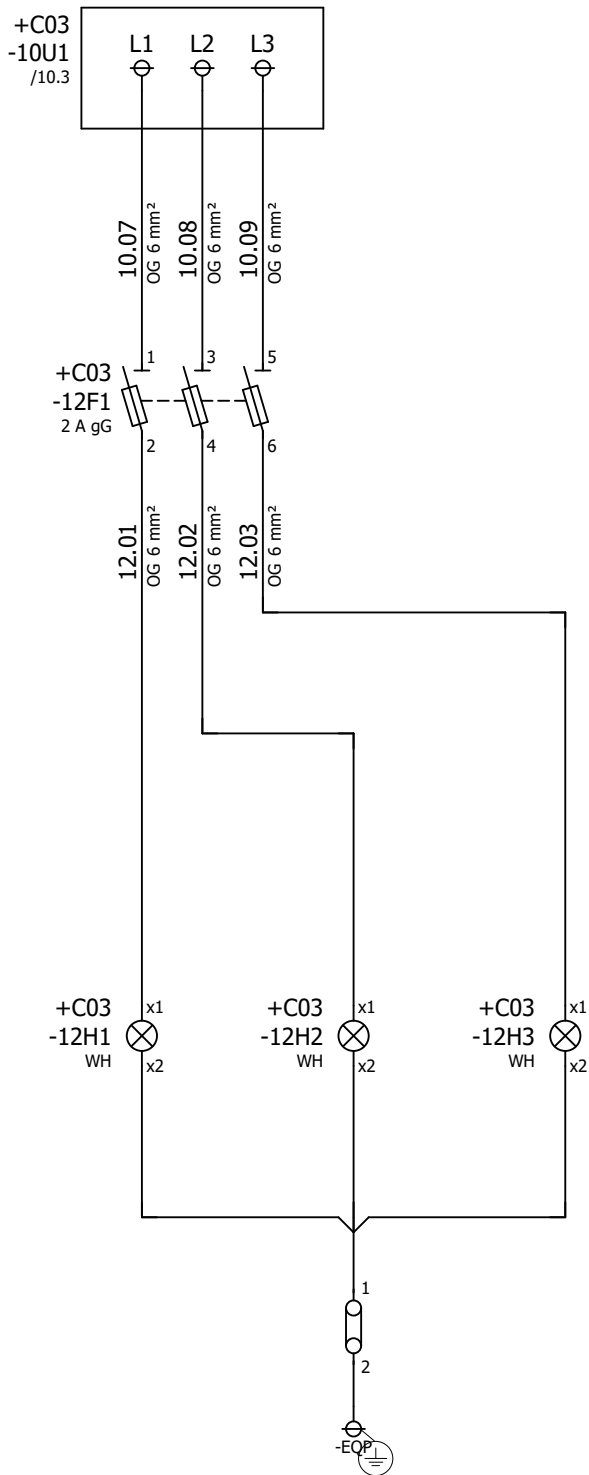
SWITCH CLOSED
WITH MAIN SWITCH 10Q1 OPEN

POWER SUPPLY CONTROL
PANEL SERVICES C01

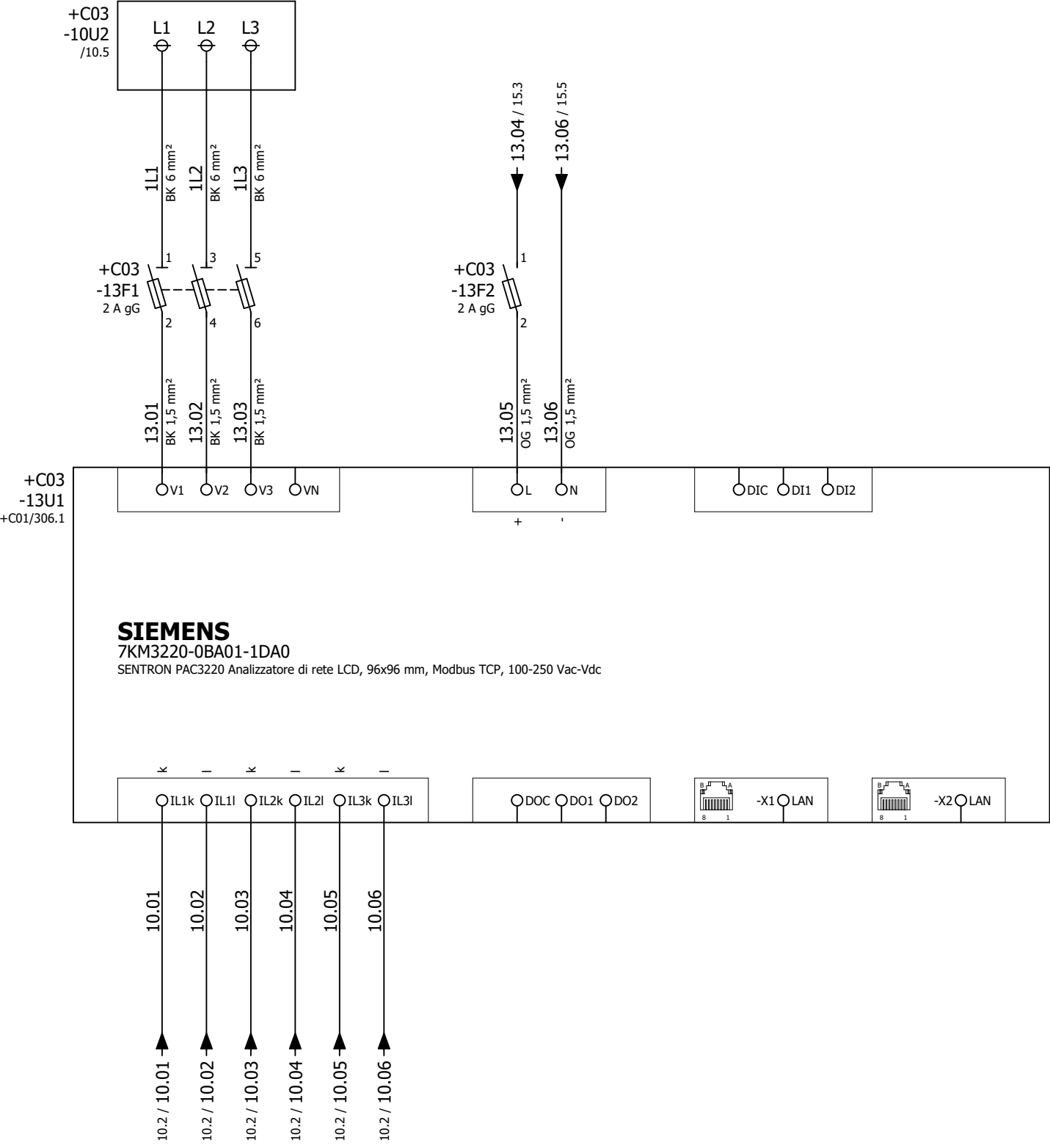


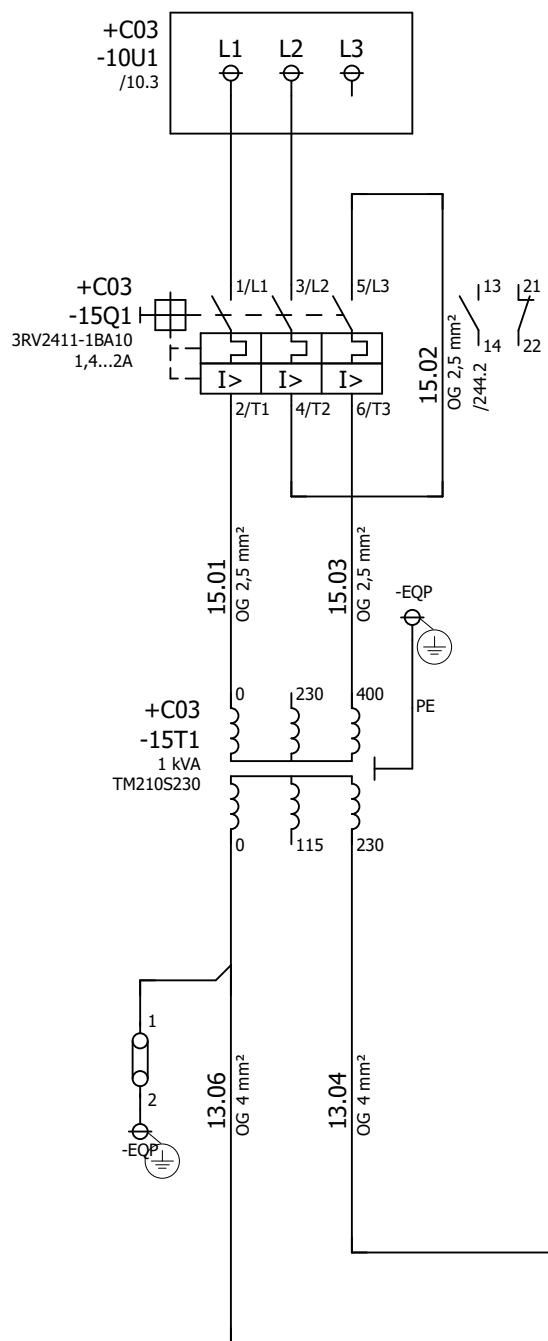
UNDervoltage COIL
CIRCUIT BREAKER

SWITCH CLOSED

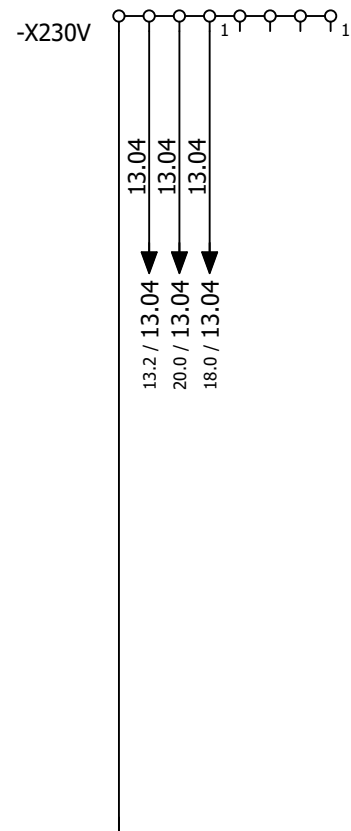


LINE VOLTAGE PRESENCE

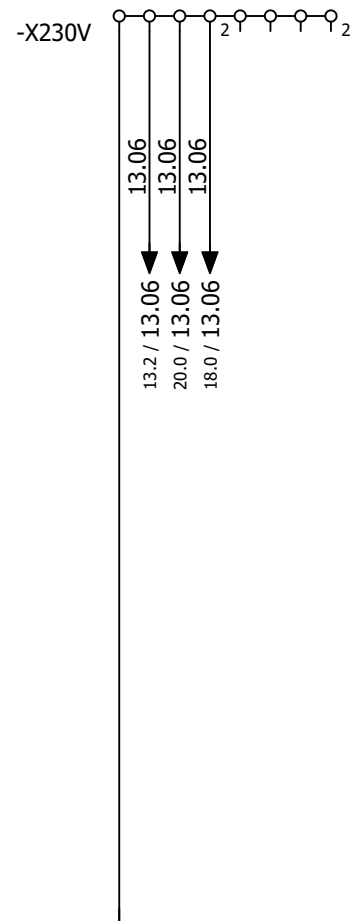




POWER SUPPLY 230 Vac
AUXILIARY

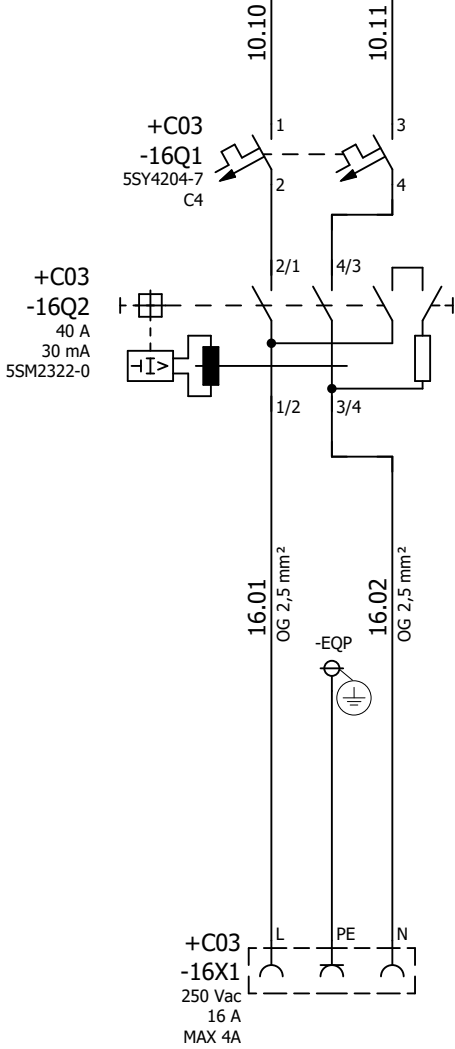


DISTRIBUTION 230 Vac
AUXILIARY

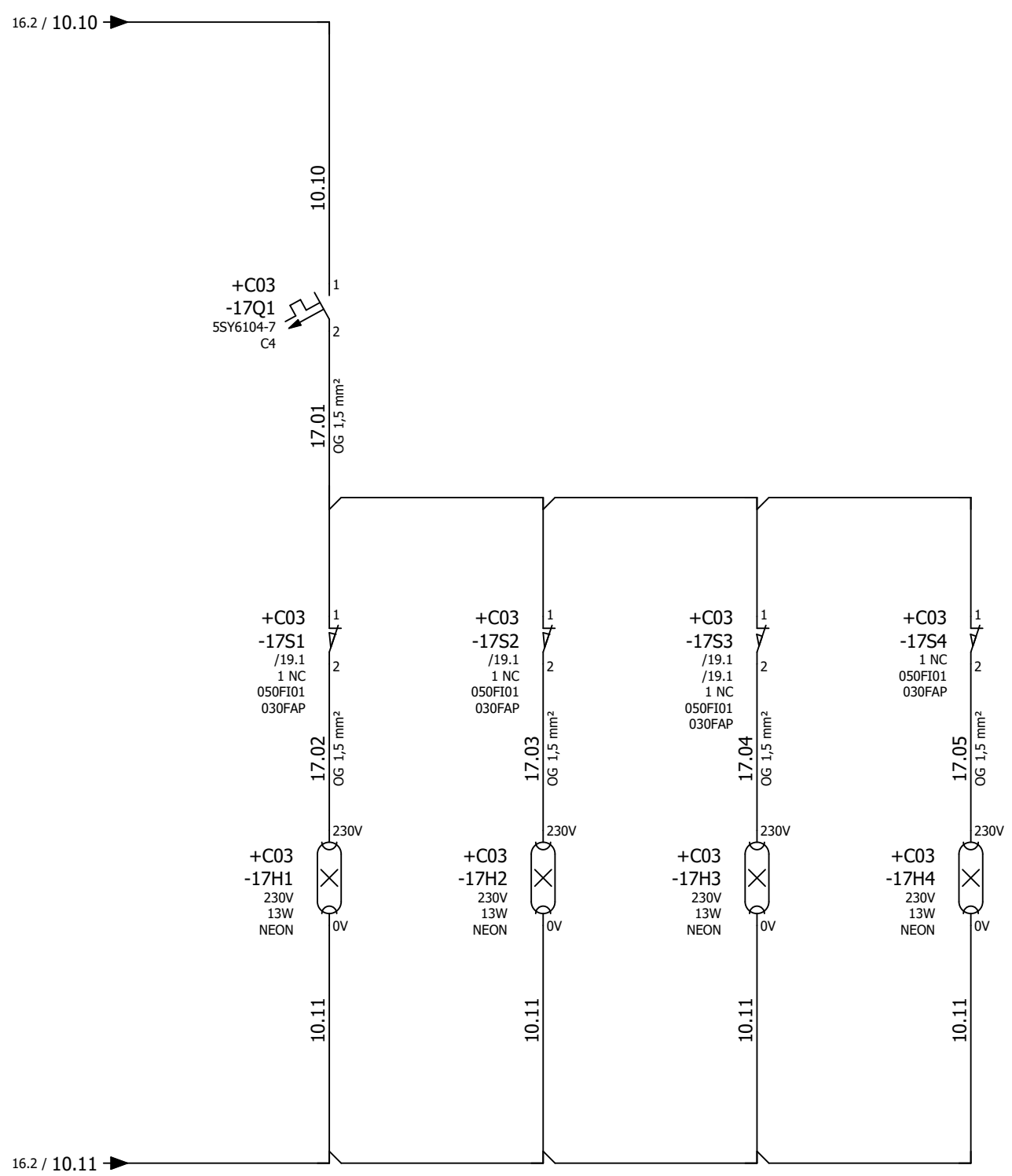


Power supply auxiliary 230 vac auxiliaries

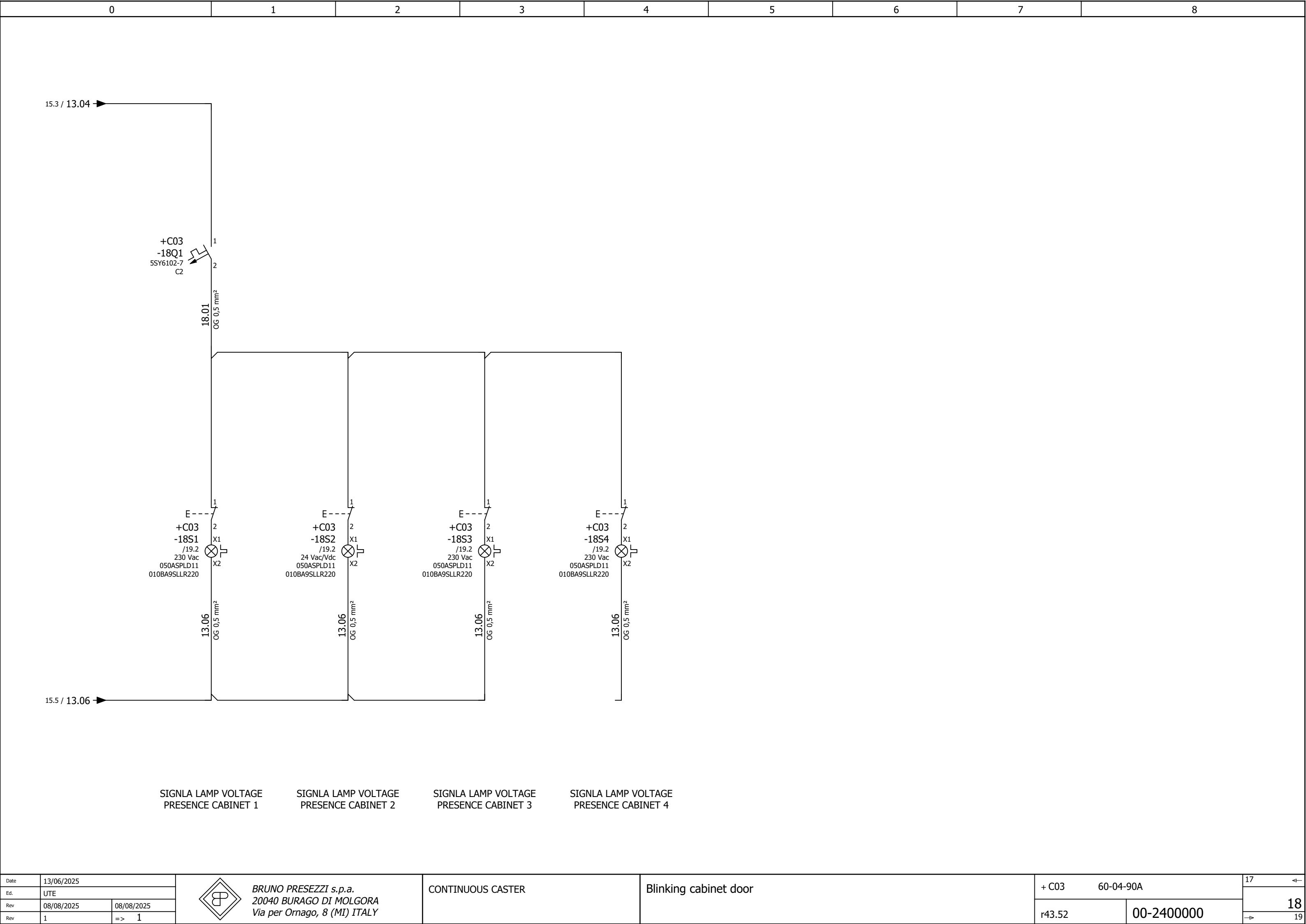
10.8 / 10.10 → 10.10 / 17.0
10.8 / 10.11 → 10.11 / 17.0

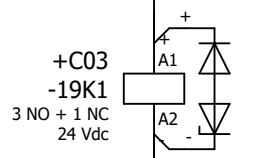
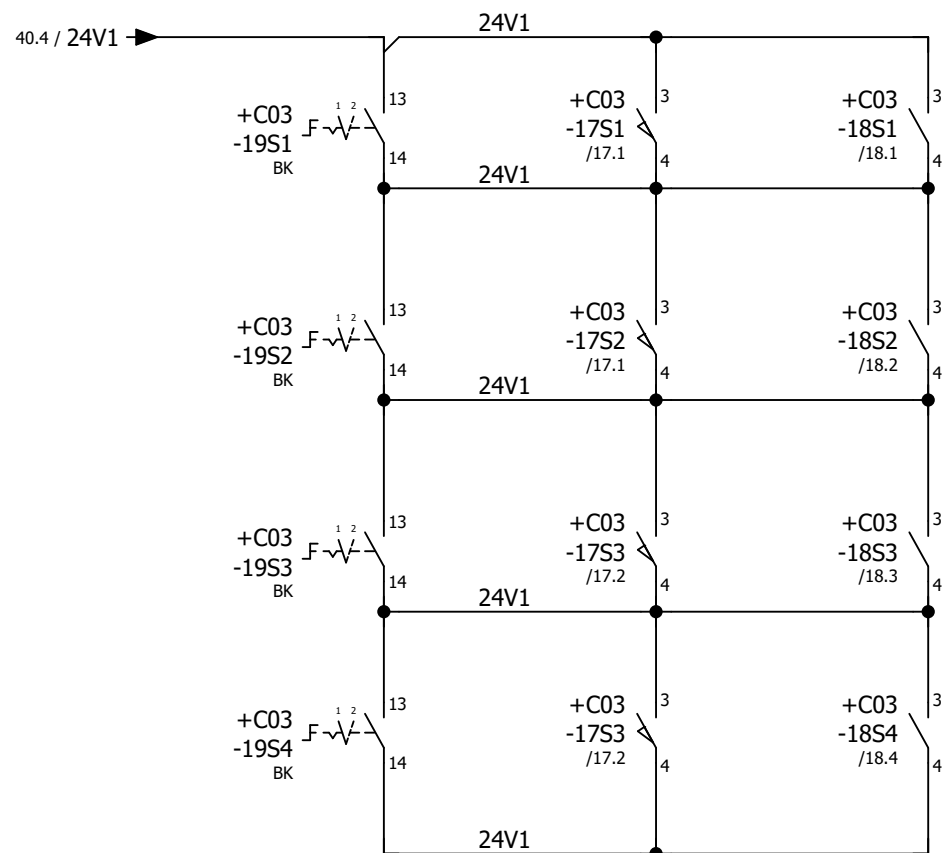


SERVICE MULTIPOWER
STRIP



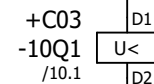
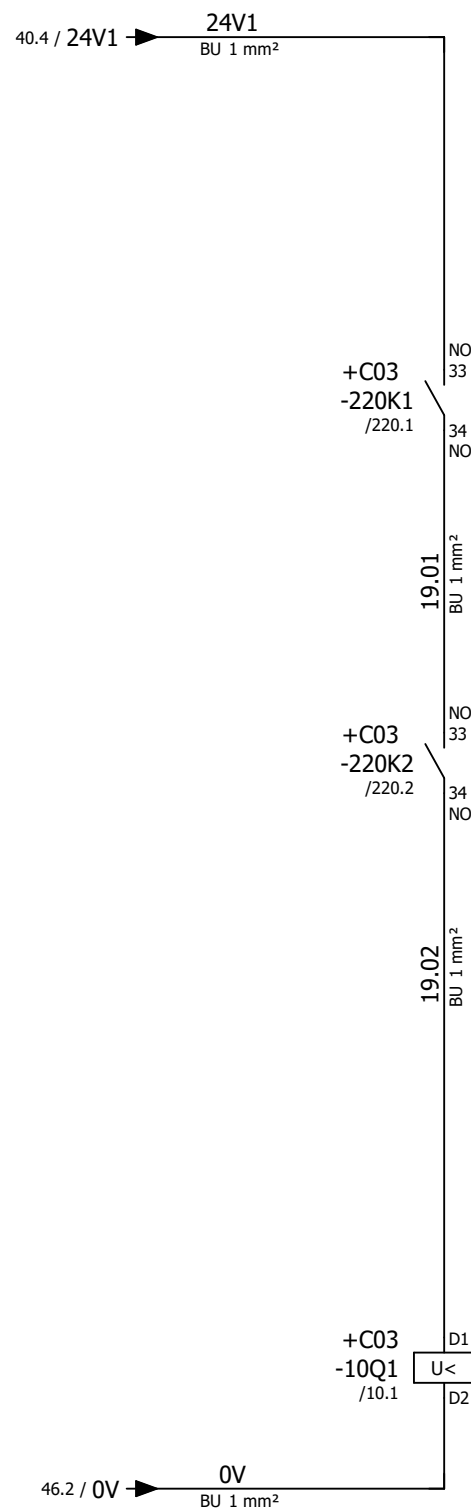
LIGHT CABINET



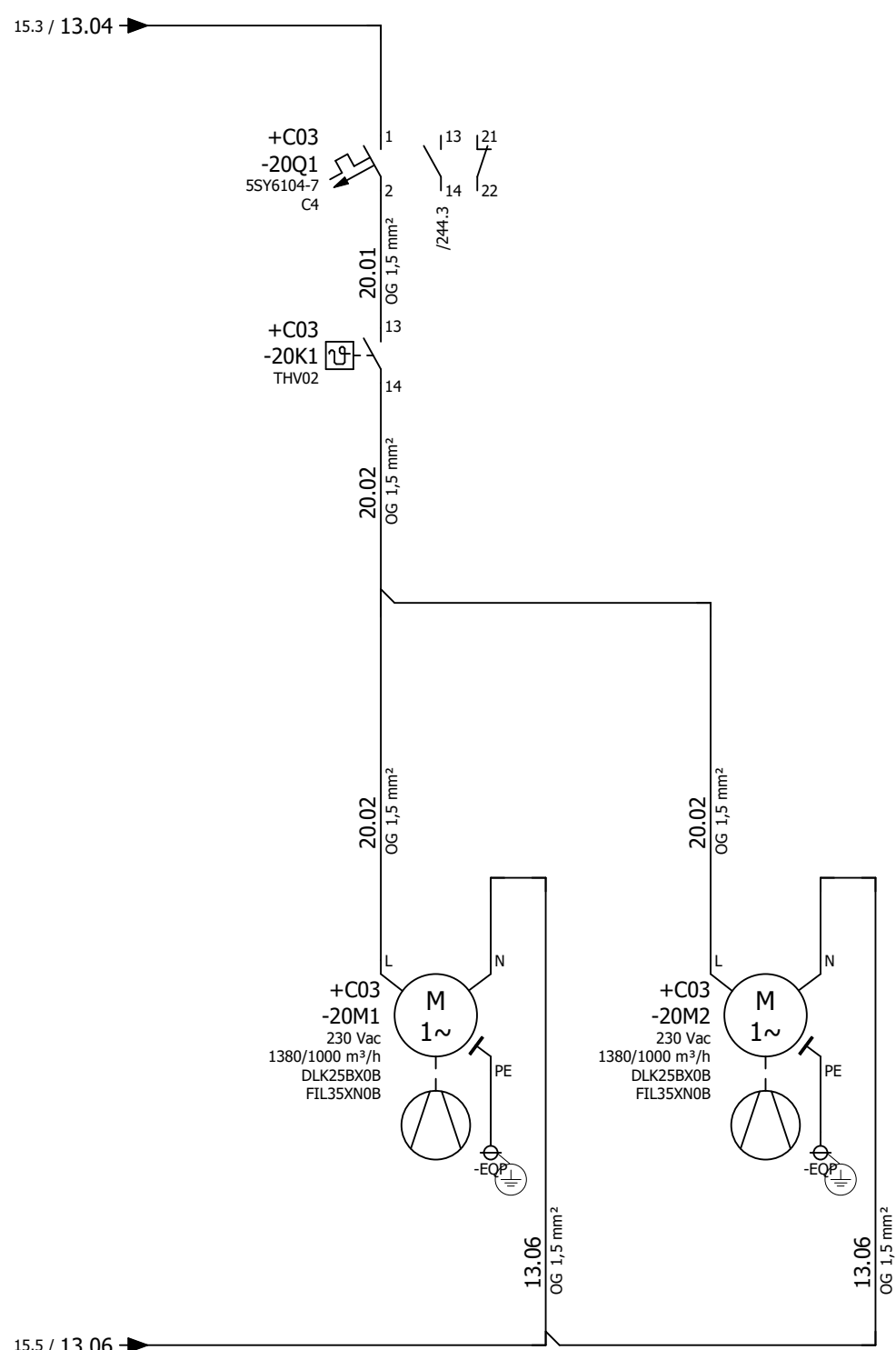


3RH2131-1BB40
13 — 14 /240.1
21 — 22 /210.5
33 — 34 /210.5
43 — 44 /210.6

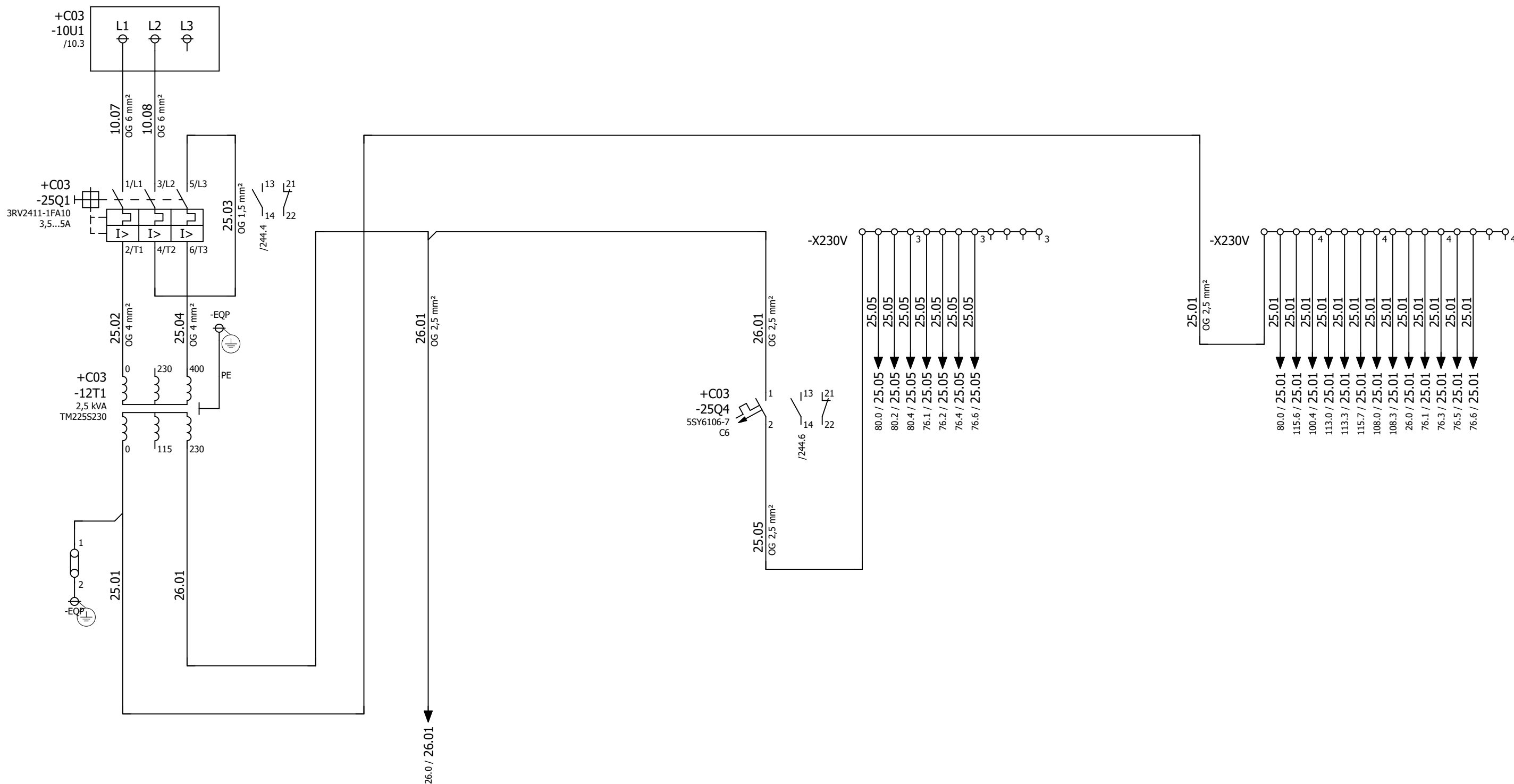
DOOR CABINET OPEN



MAIN CIRCUIT BREAKER
UNDERVOLTAGE COIL



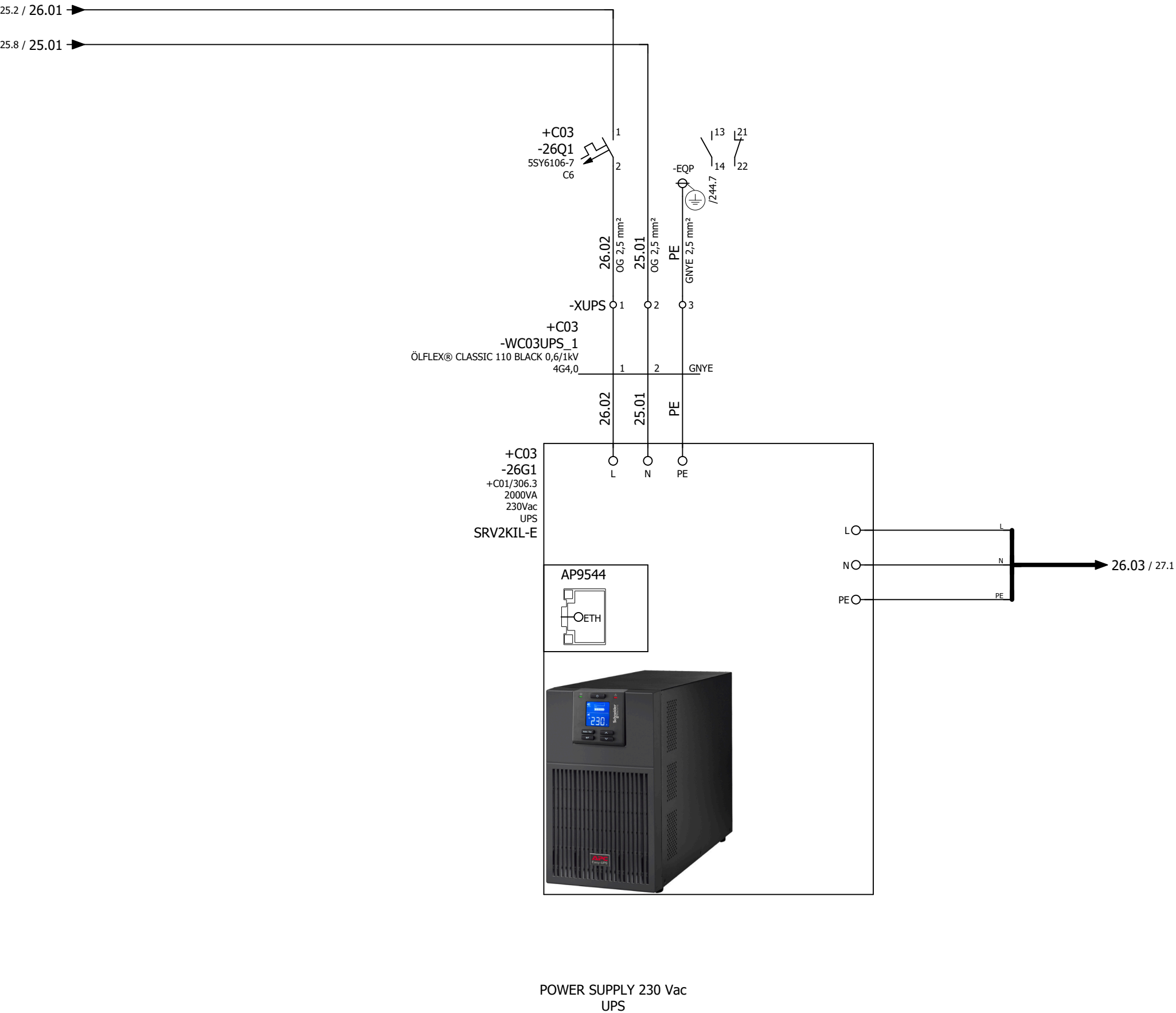
FAN CABINET

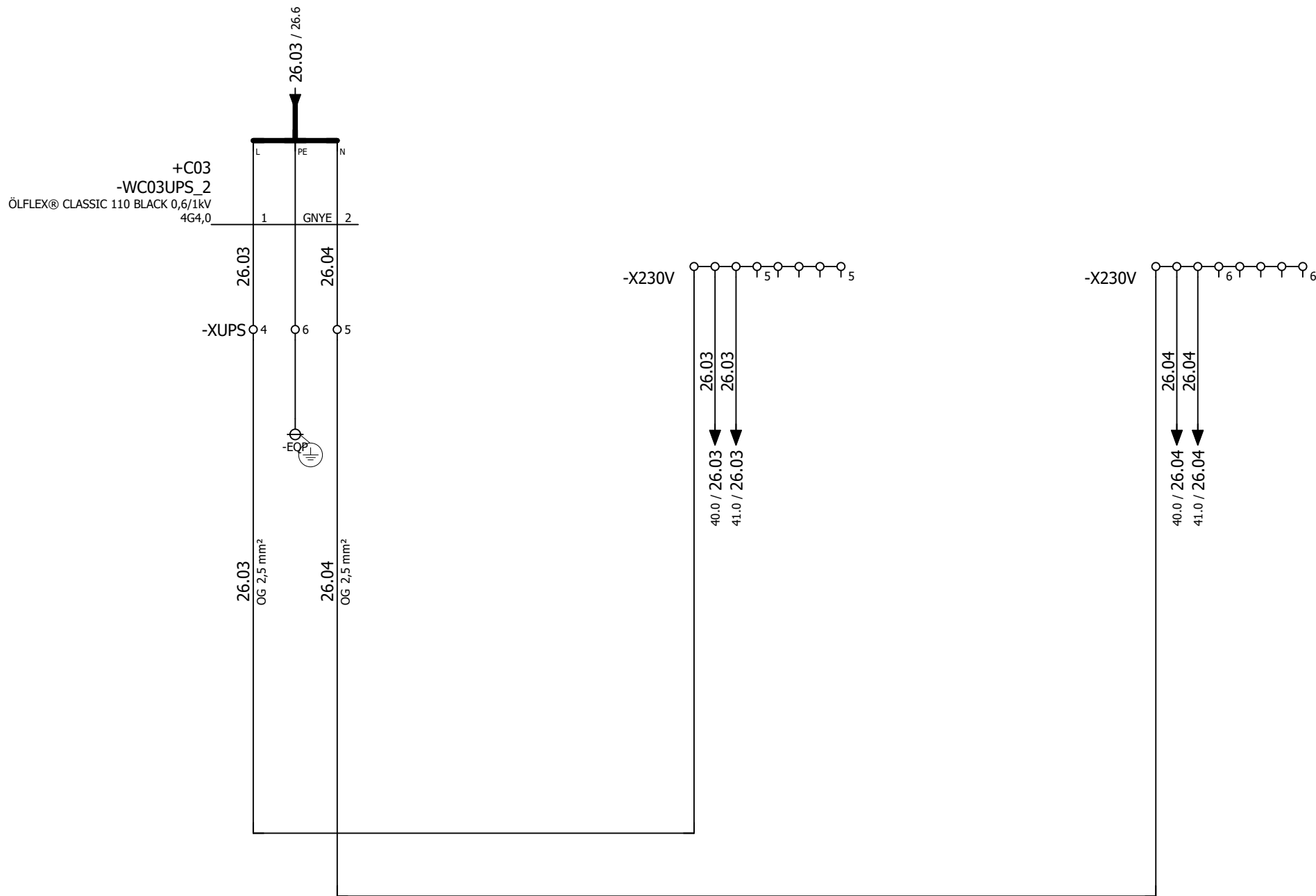


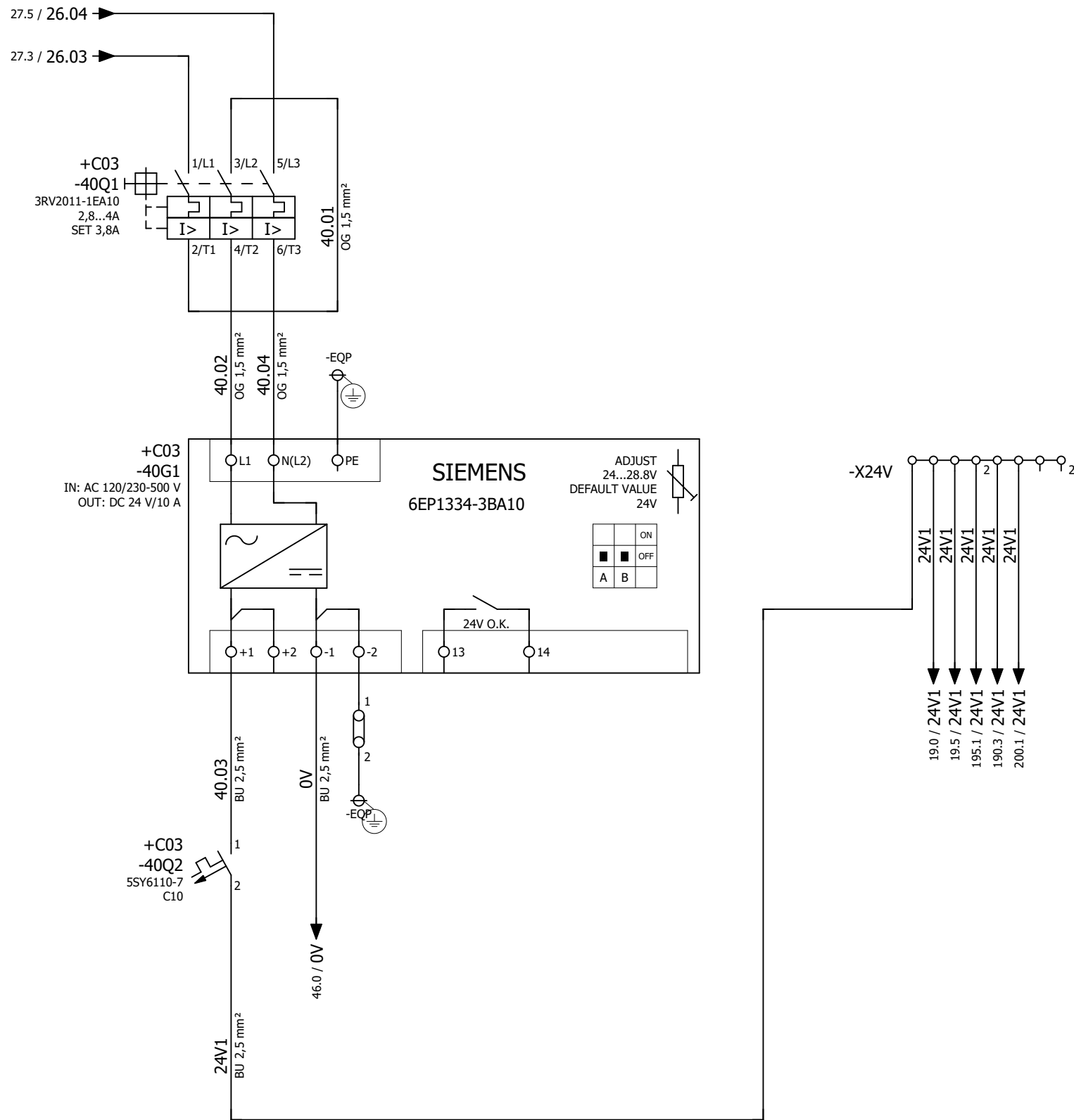
POWER SUPPLY 230 Vac
AUXILIARY

POWER SUPPLY 230 Vac
UPS

DISTRIBUTION 230 Vac
COMMAND







POWER SUPPLY 24 Vdc
CPU-SWITCH

DISTRIBUTION 24 Vdc
CPU-SWITCH

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1

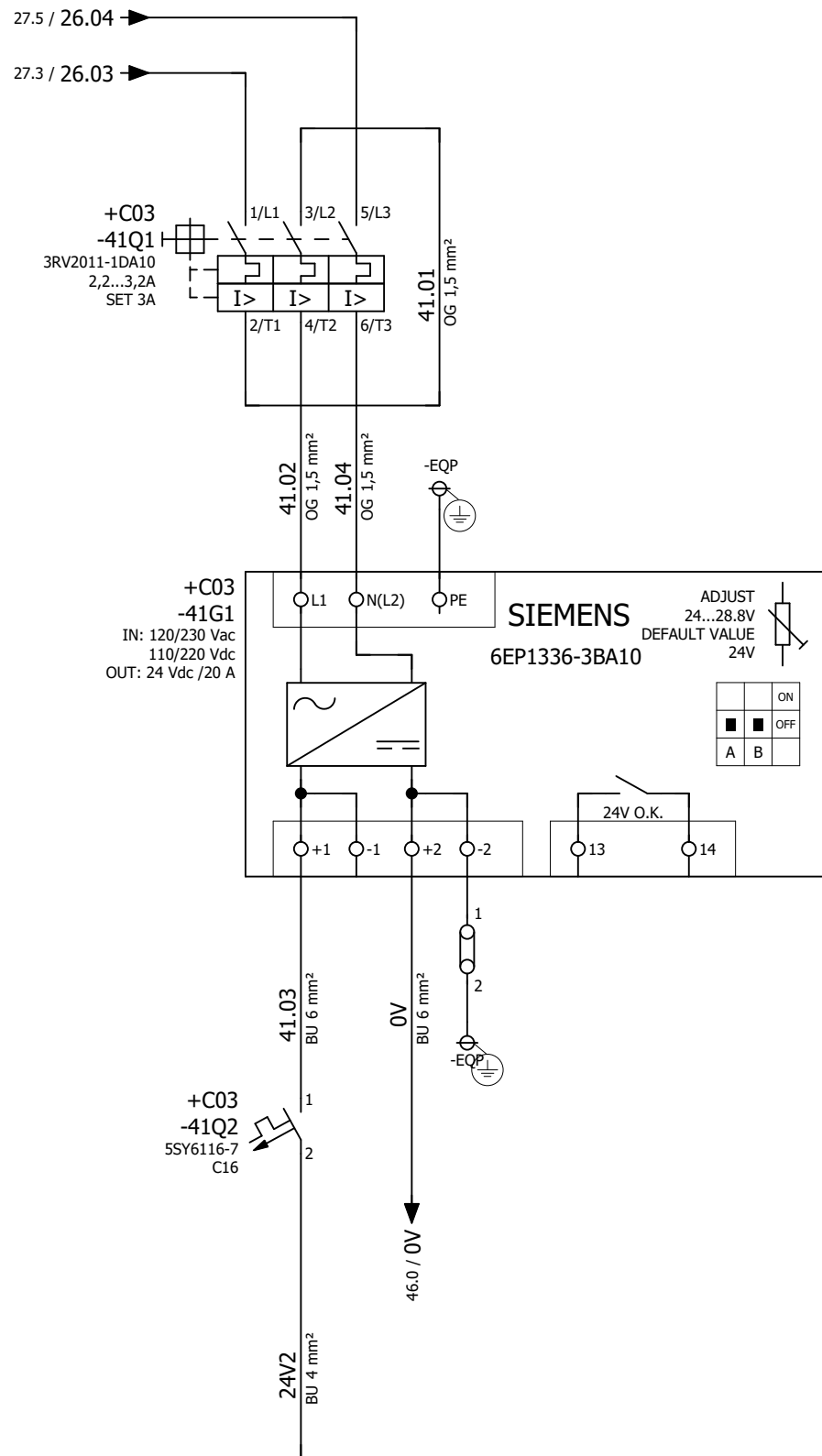


BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

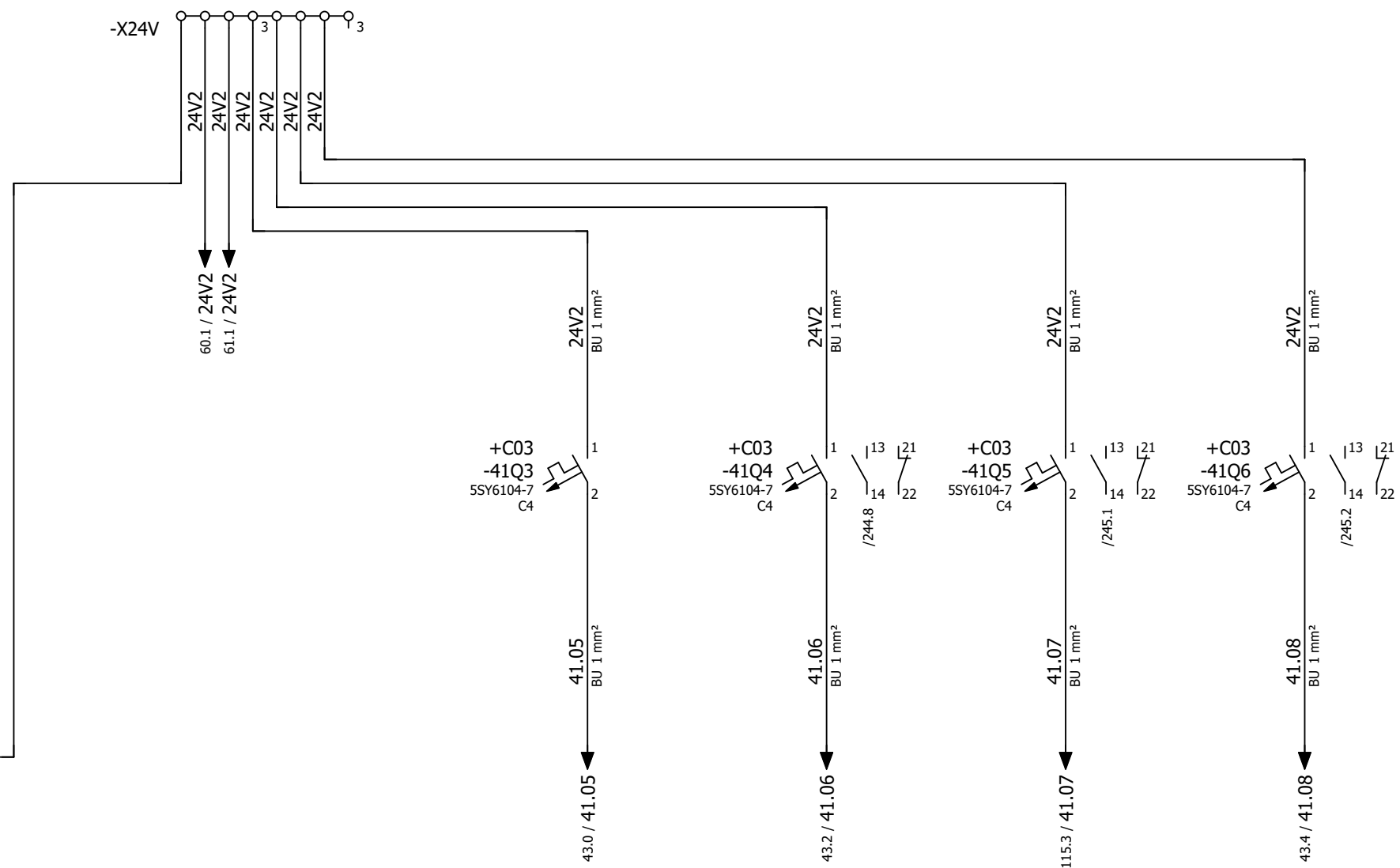
CONTINUOUS CASTER

Power supply auxiliary 24 Vdc CPU - Switch

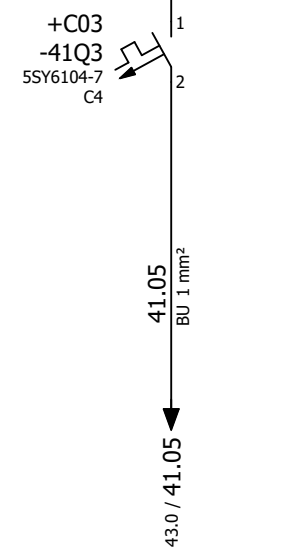
+ C03	60-04-90A	27	←
r43.52	00-2400000	40	
		→	41



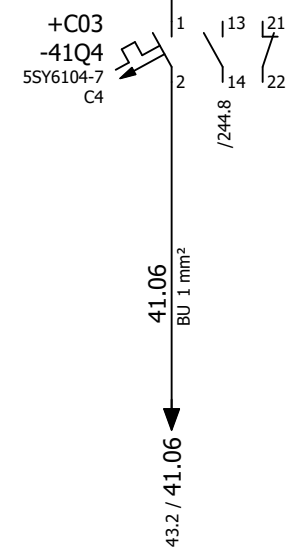
POWER SUPPLY 24 Vdc PLC
REMOTE I/O



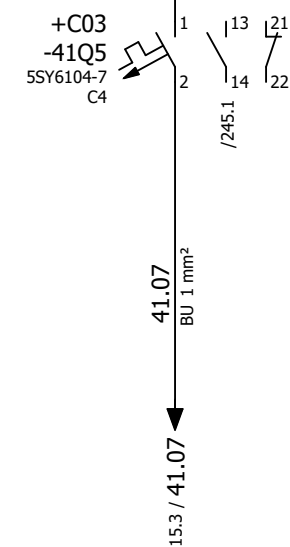
DISTRIBUTION 24 Vdc PLC
REMOT I/O



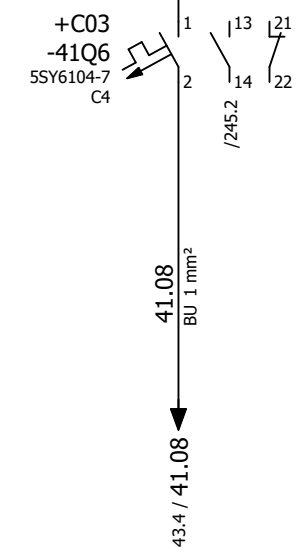
POWER SUPPLY 24 Vdc
INPUT PLC



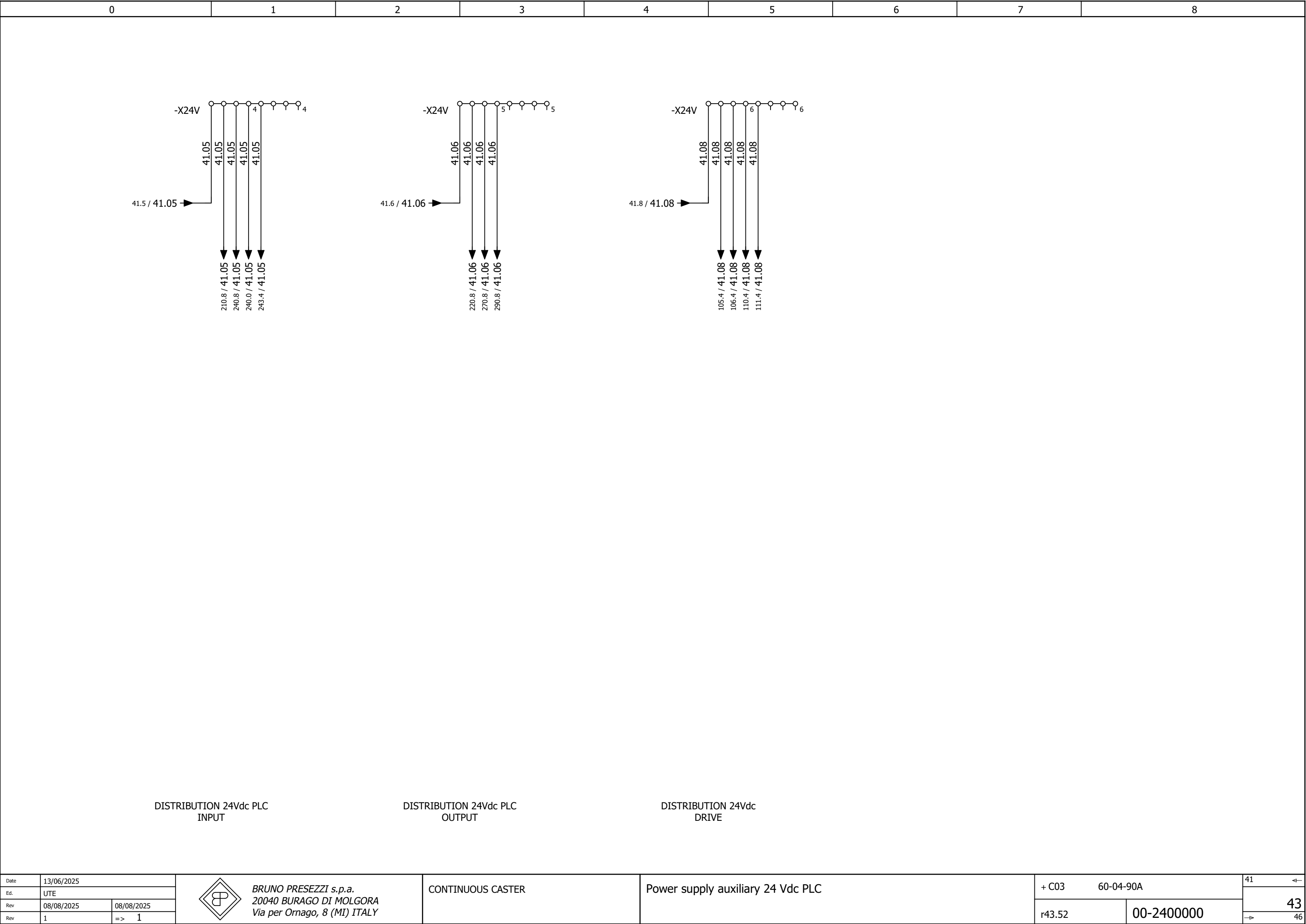
POWER SUPPLY 24 Vdc
OUTPUT PLC

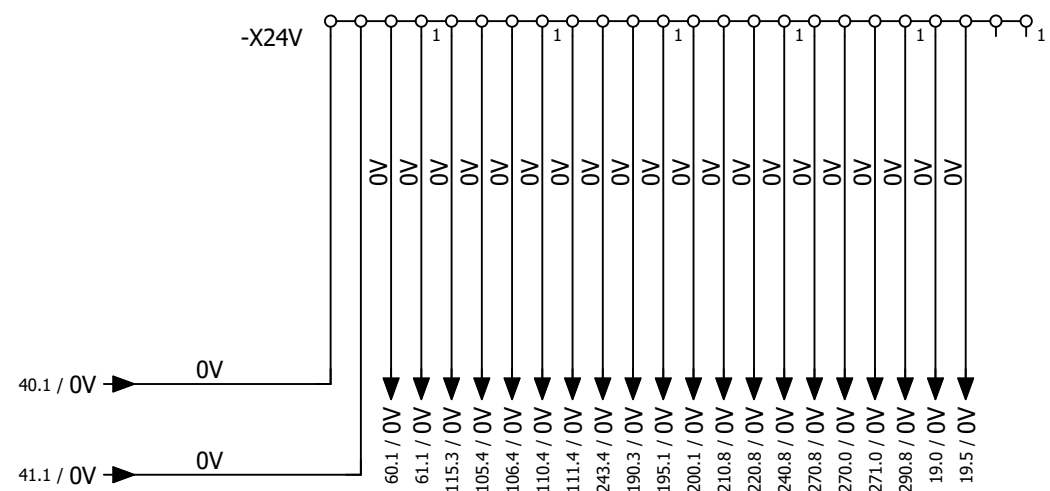


POWER SUPPLY 24 Vdc
STATIC RELAY

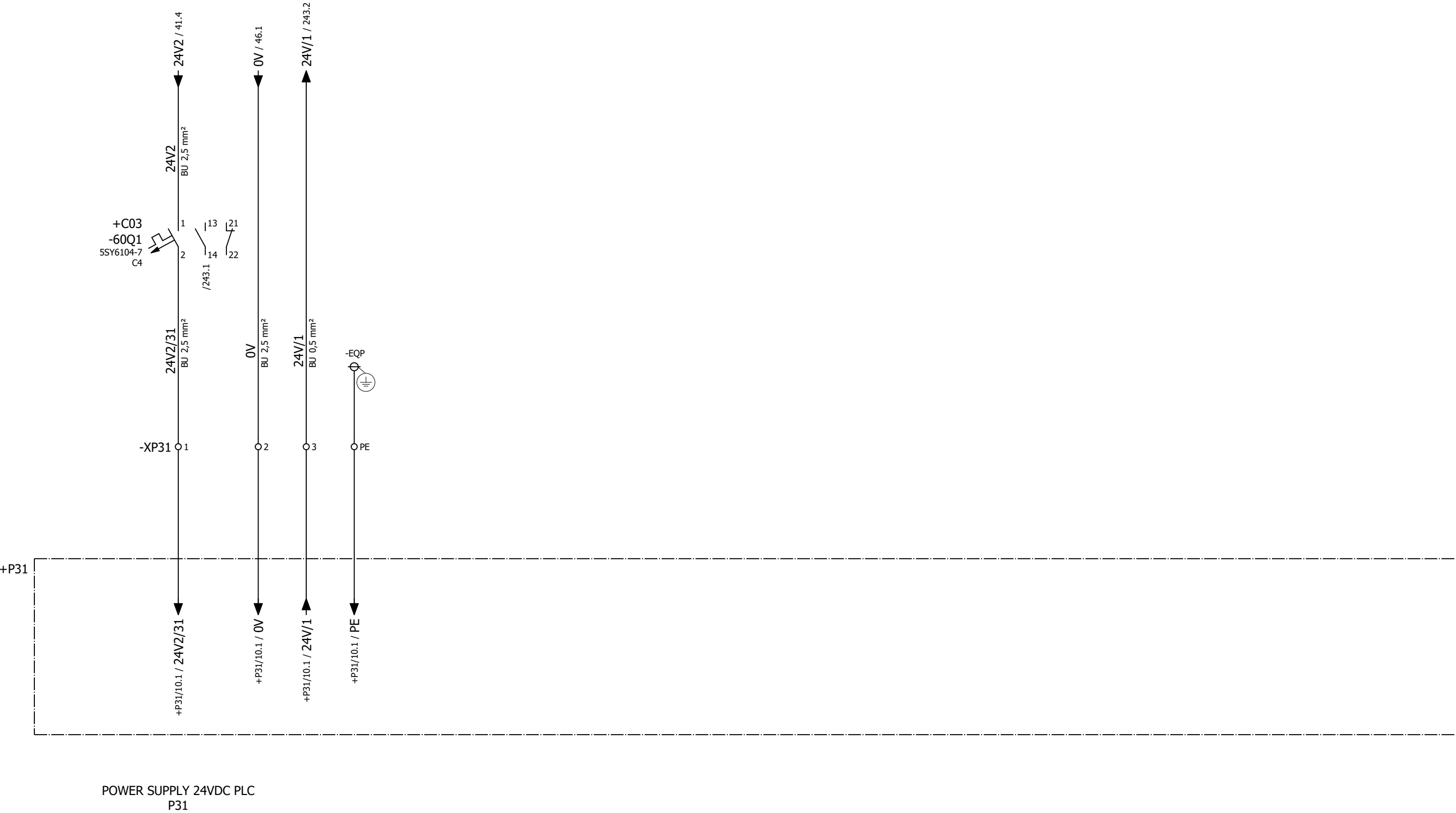


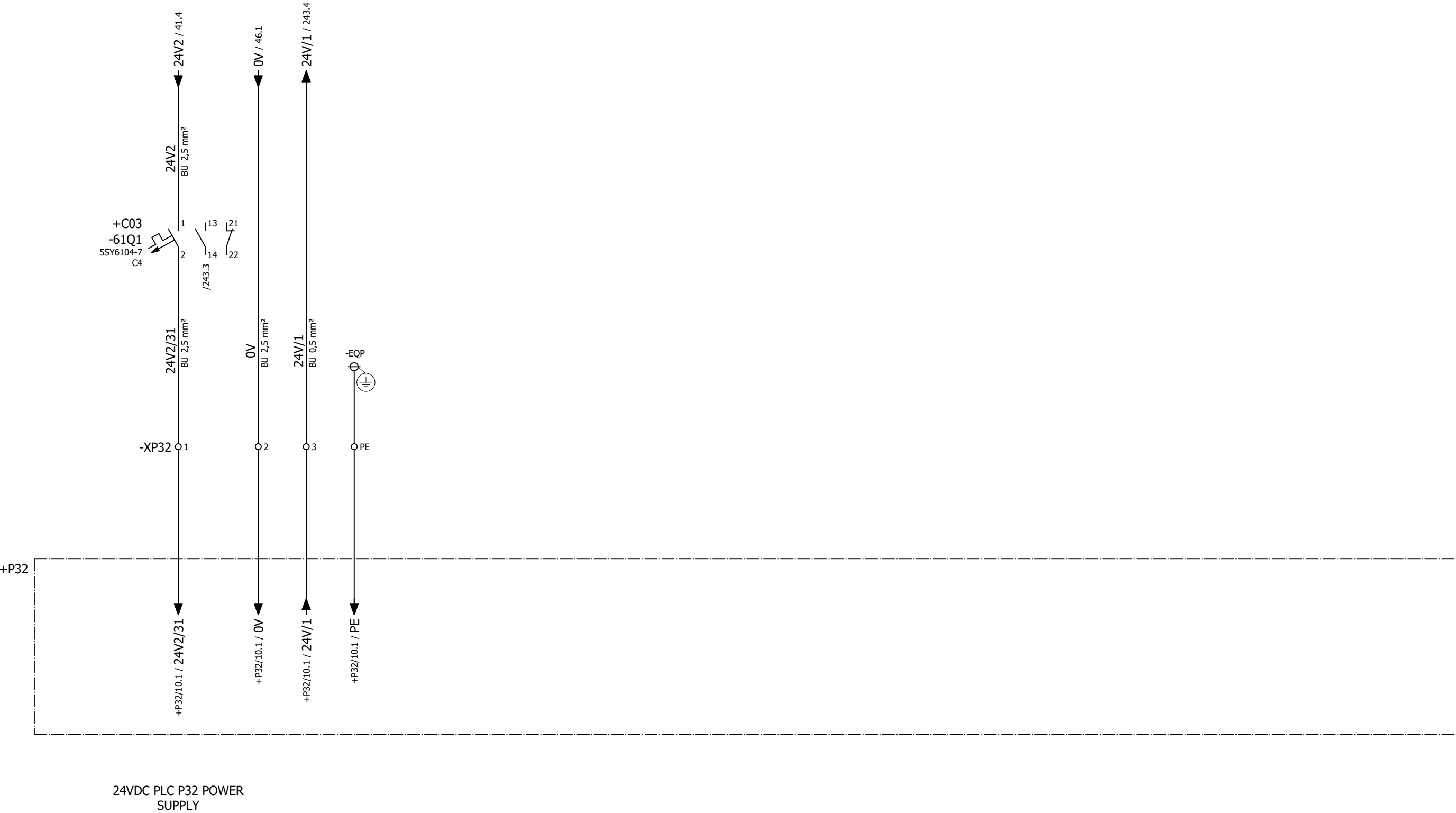
POWER SUPPLY 24 Vdc
DRIVE

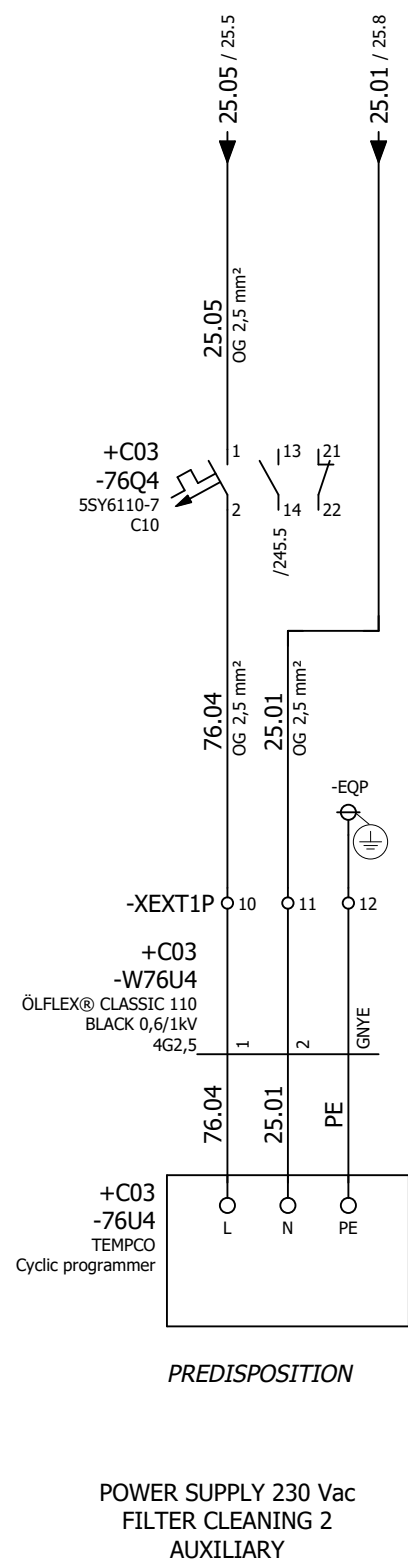
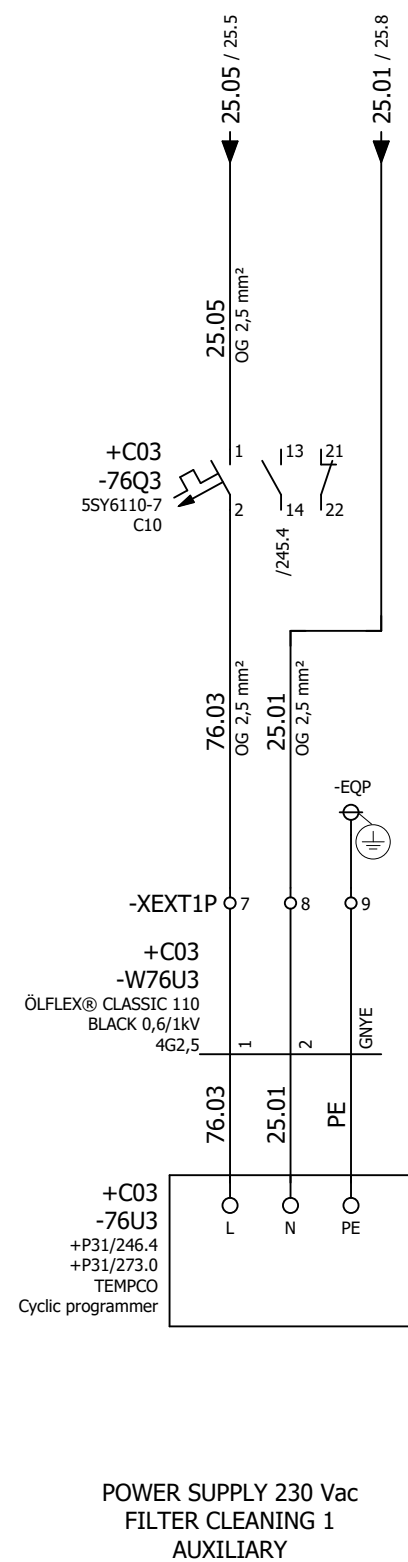
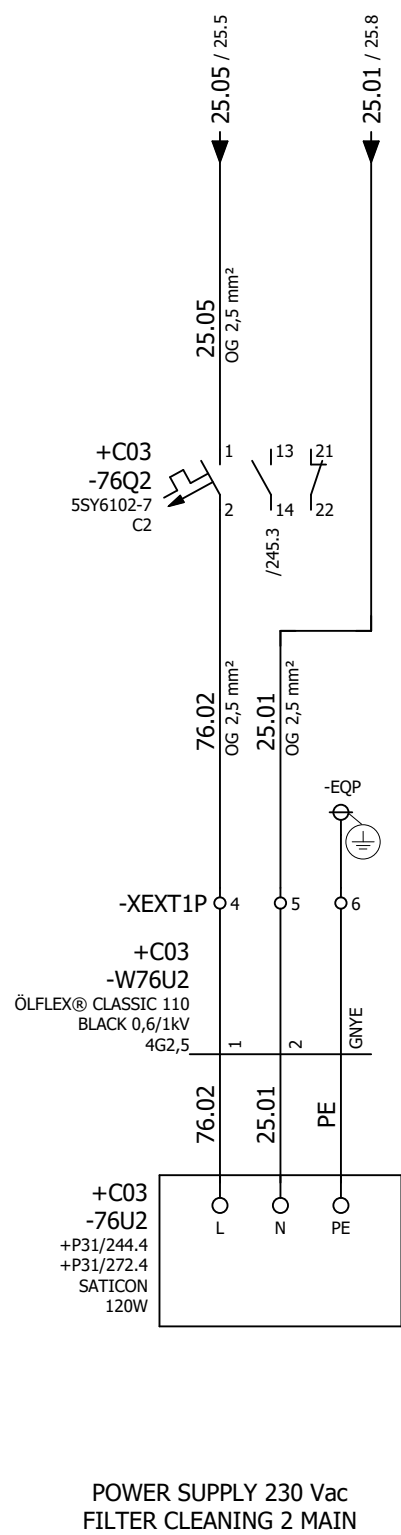
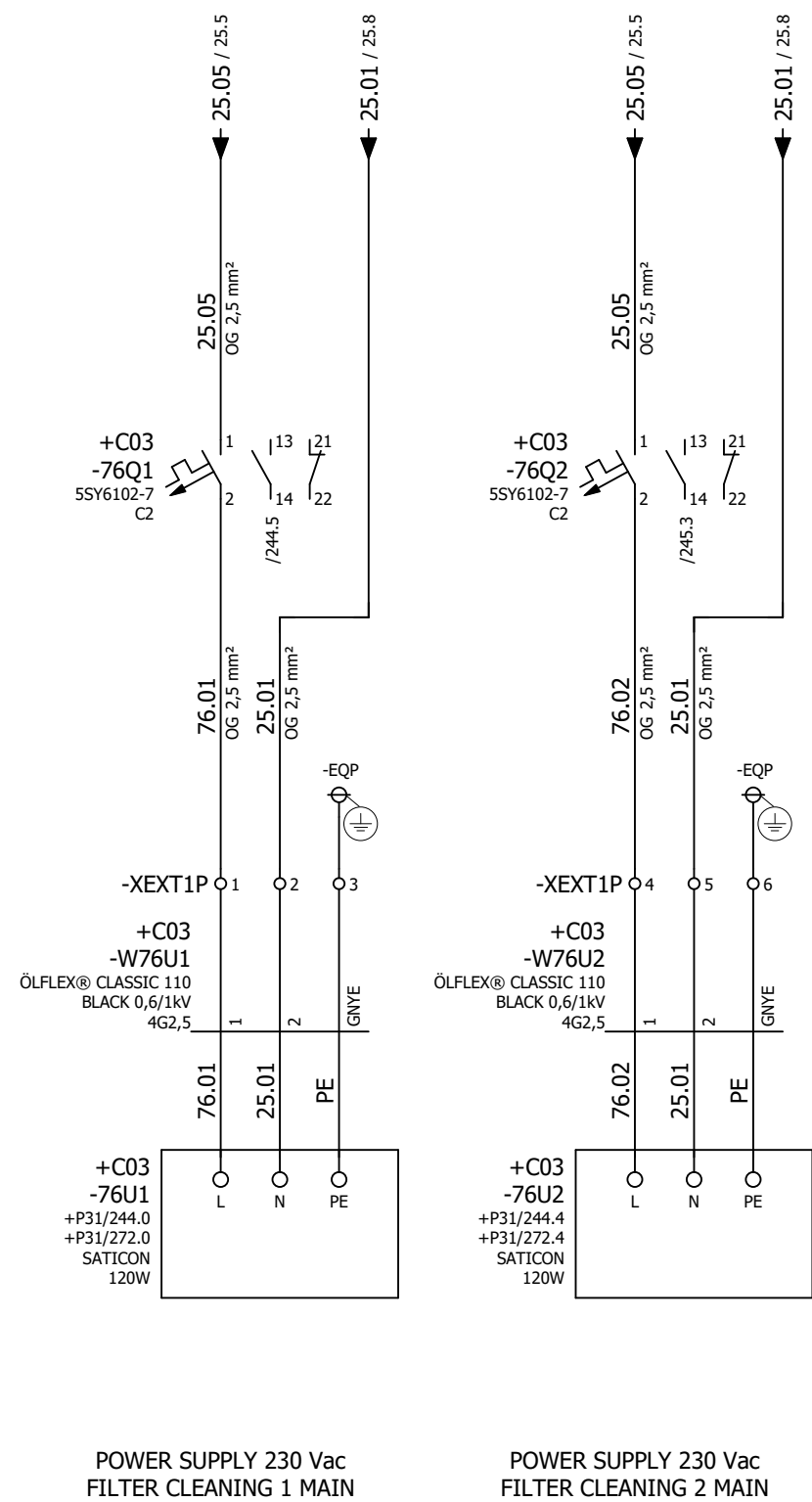




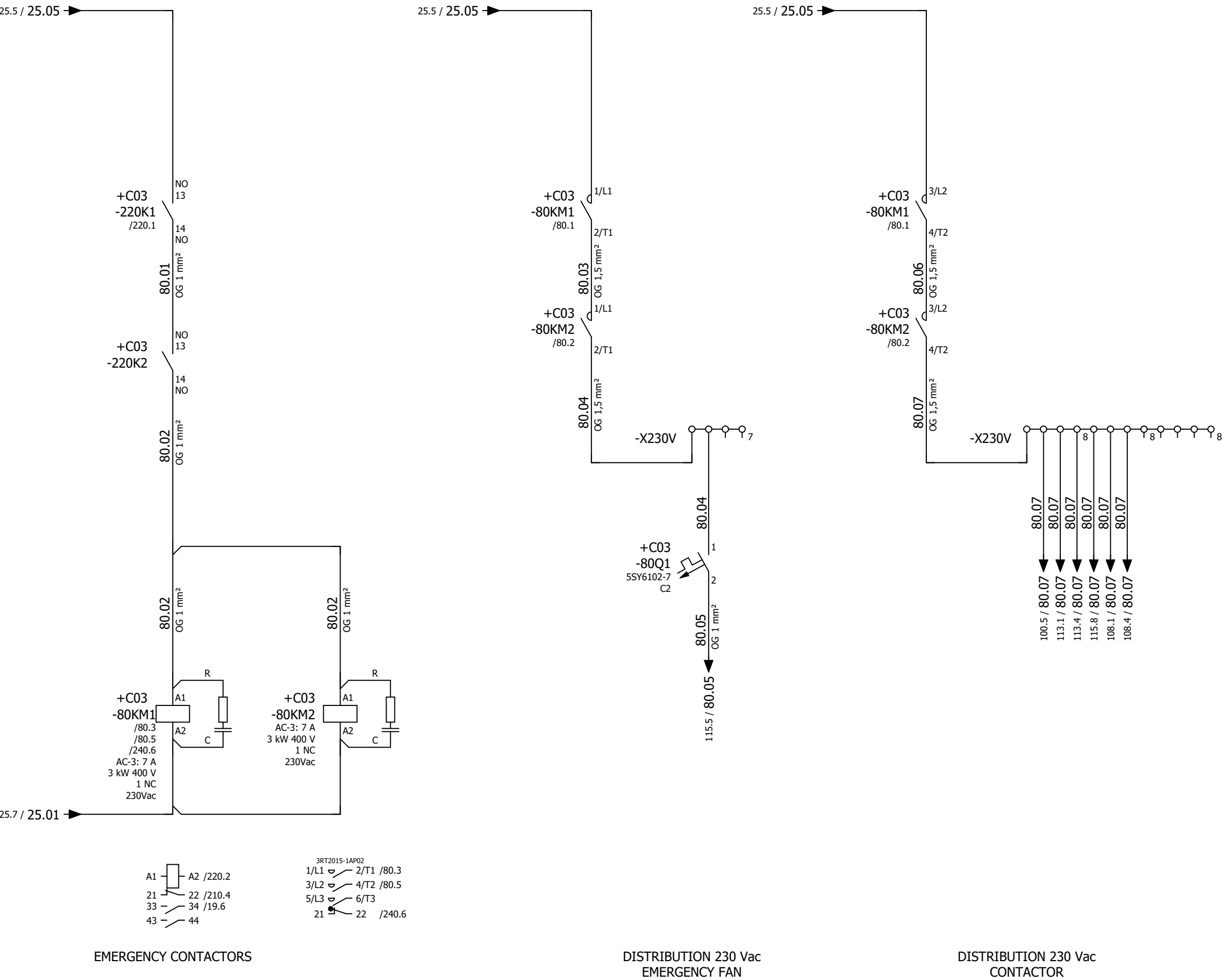
DISTRIBUTION 0 Vdc

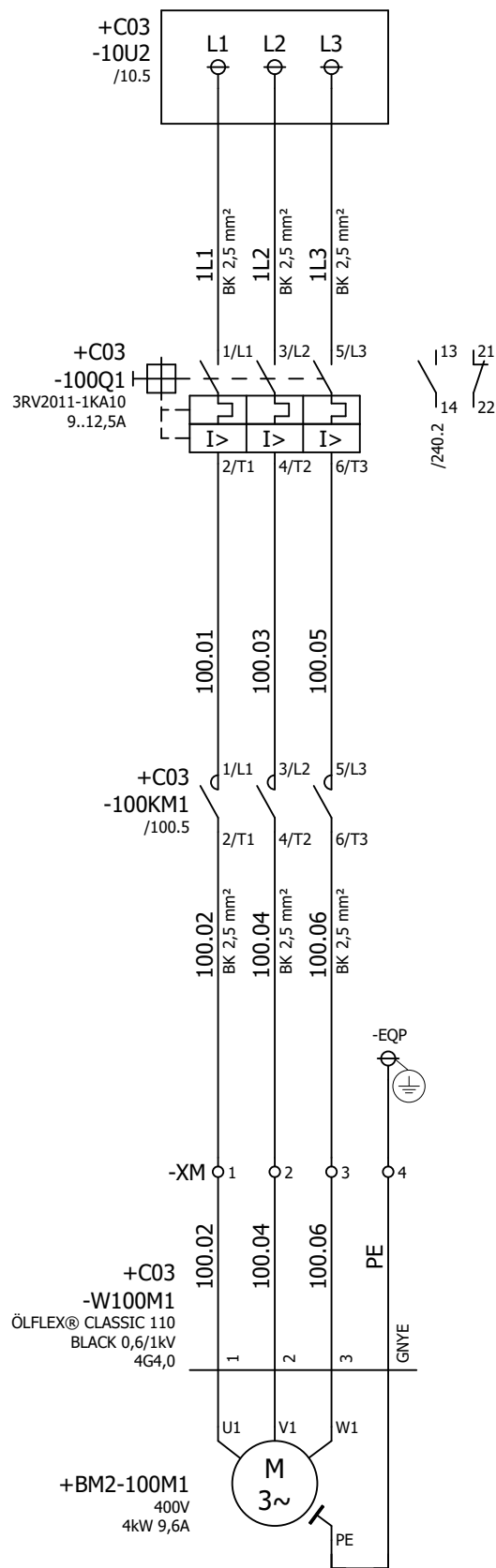




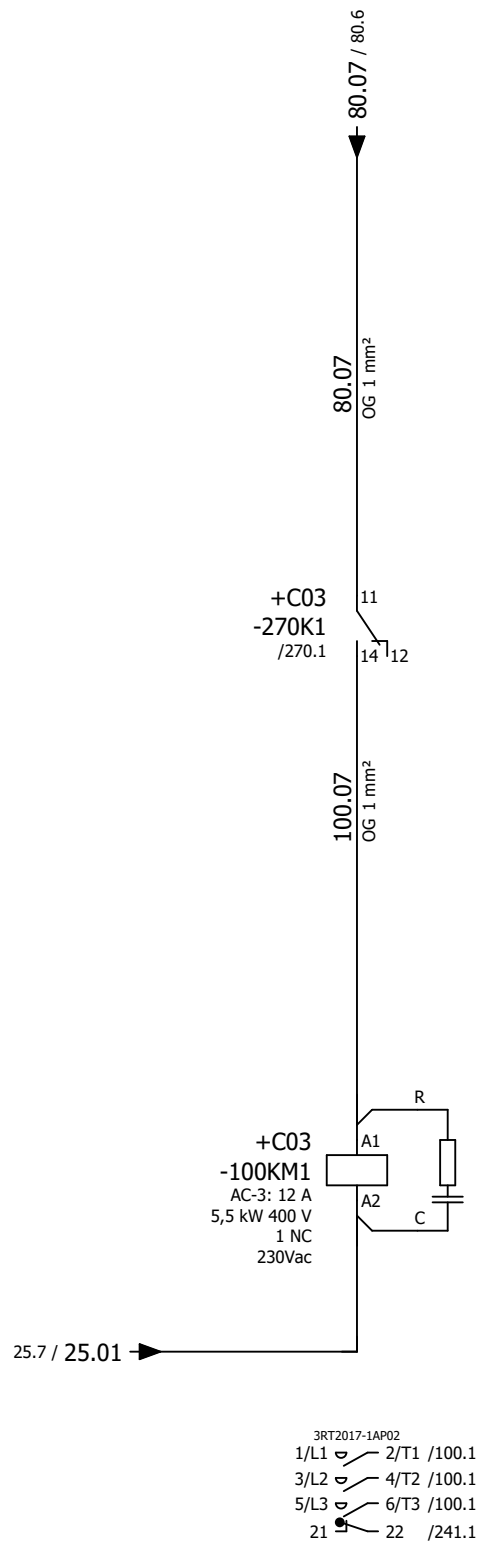


PREDISPOSITION





MOTOR PUMP HOT WATER
SUPPLY



Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

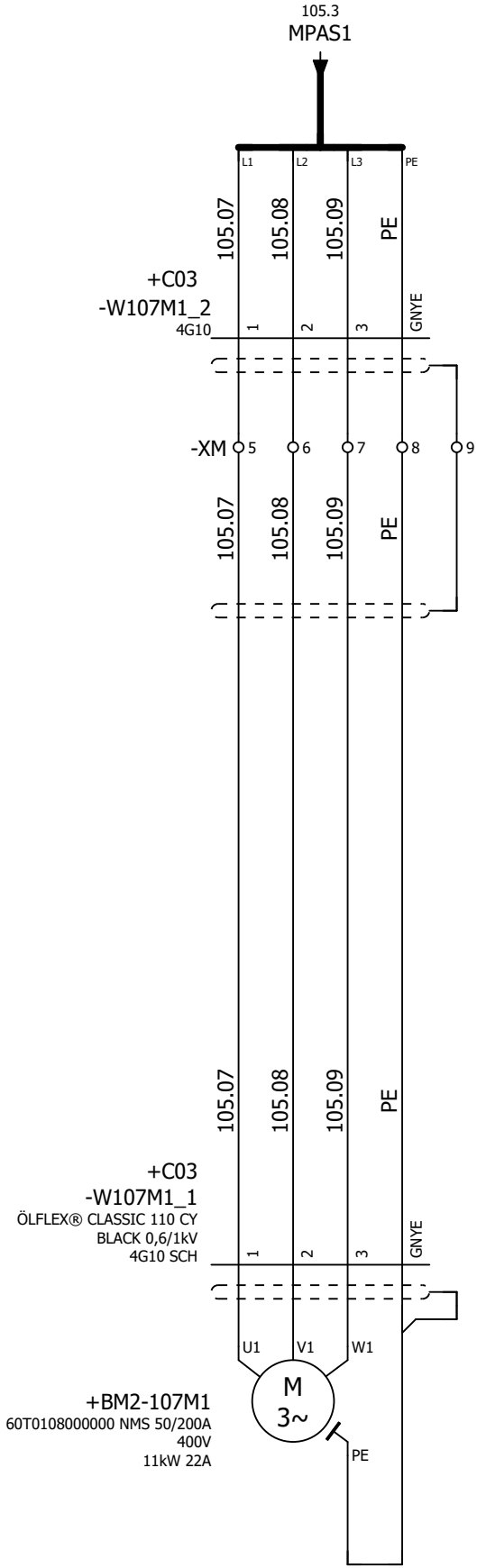
CONTINUOUS CASTER

Motor pump hot water delivery

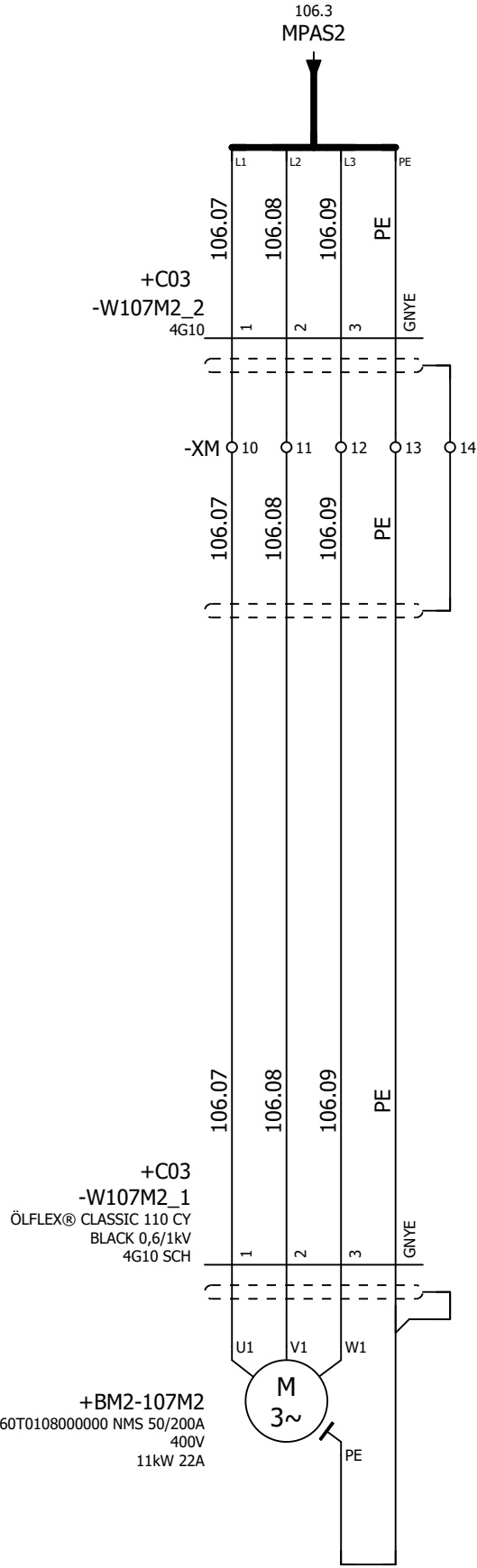
+ C03 60-04-90A

r43.52

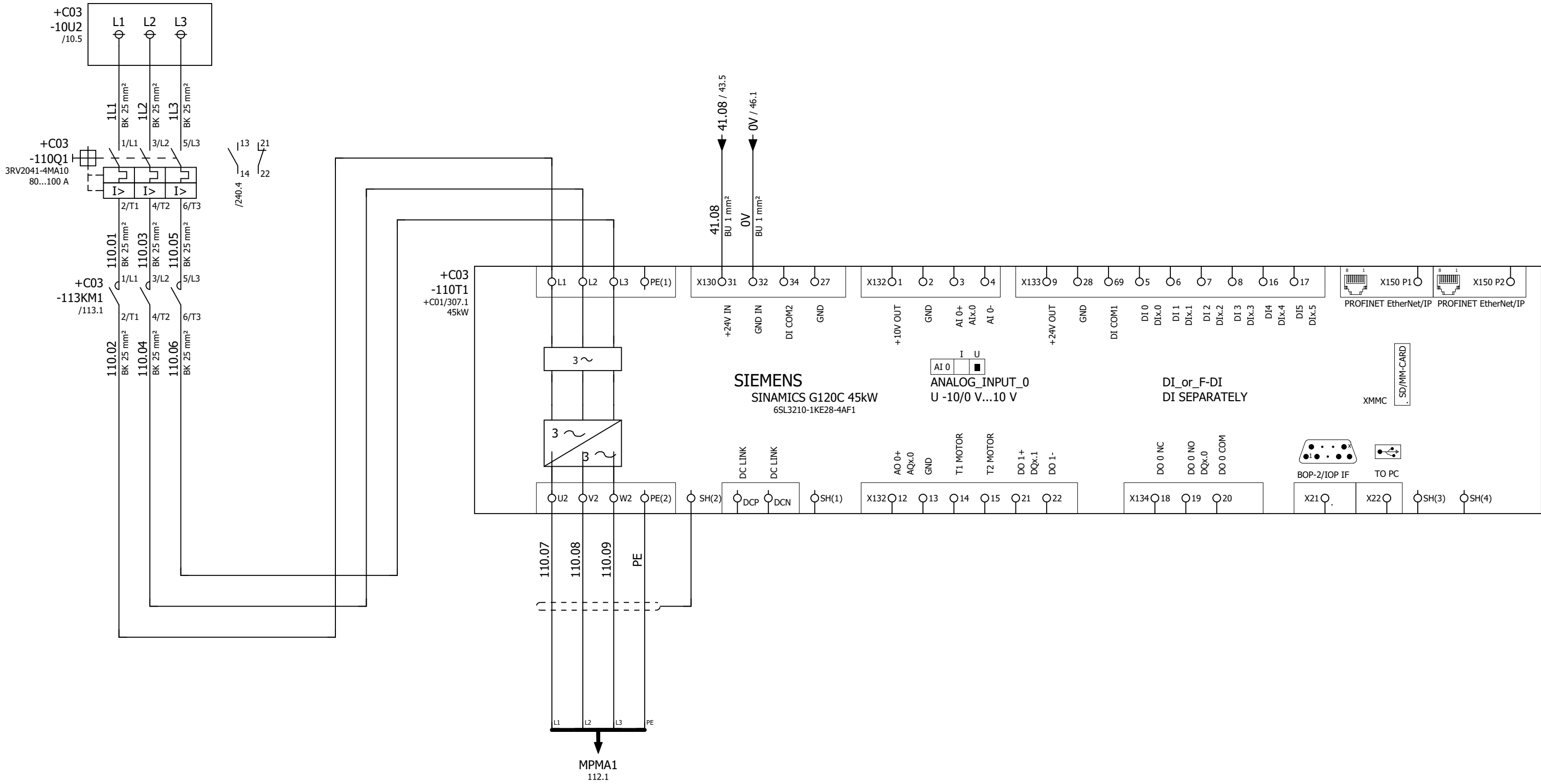
00-2400000



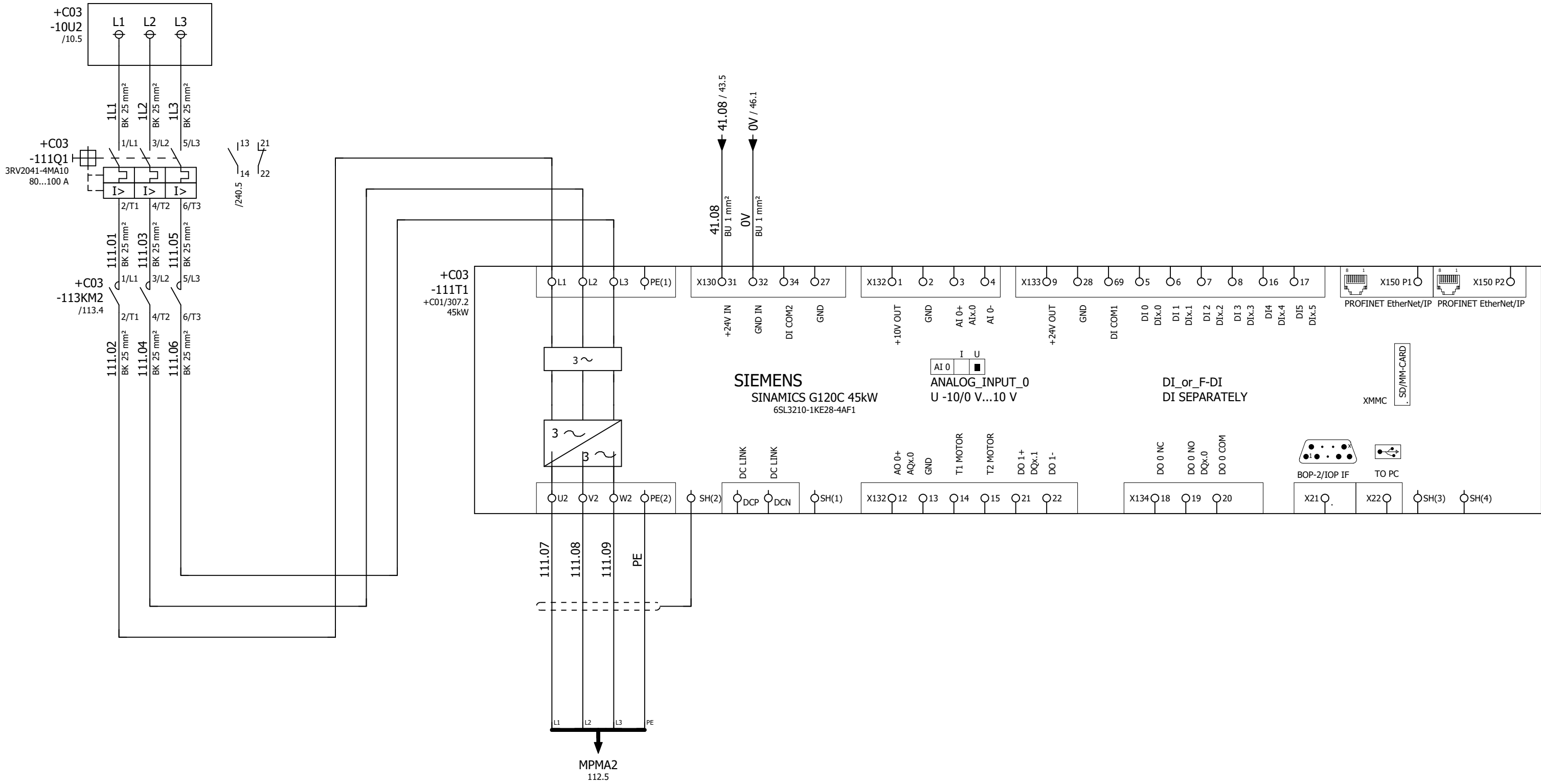
MOTOR 1 AUXILIARY SKID



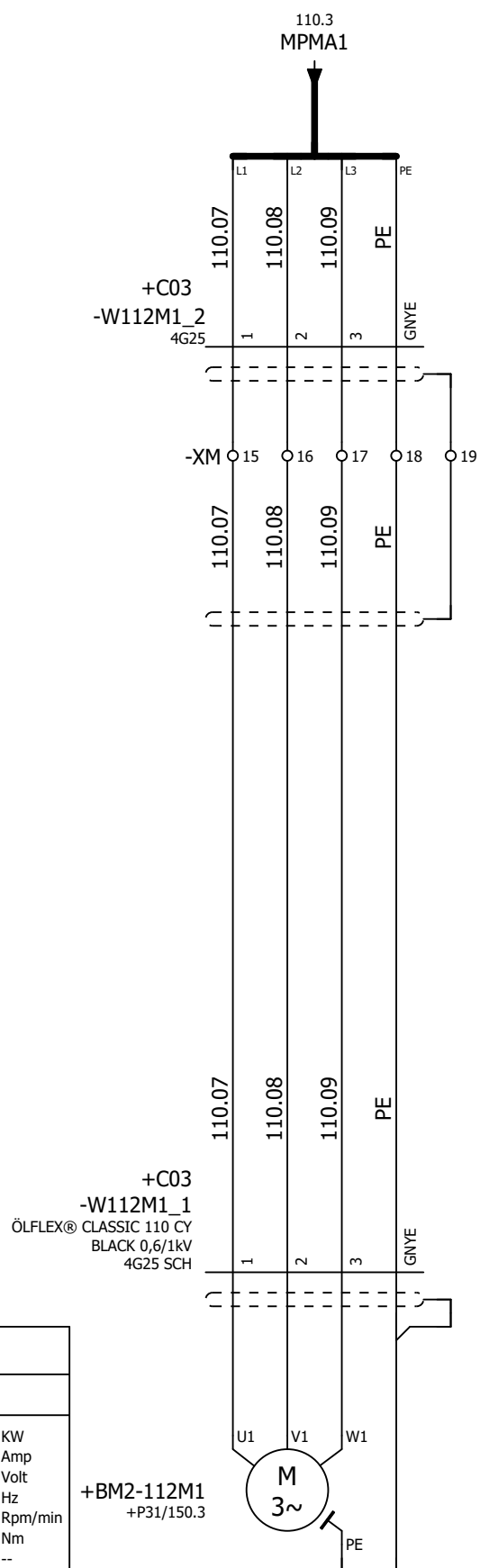
MOTOR 2 AUXILIARY SKID



COLD WATER SUPPLY MOTOR
PUMP 1 COLD WATER SUPPLY

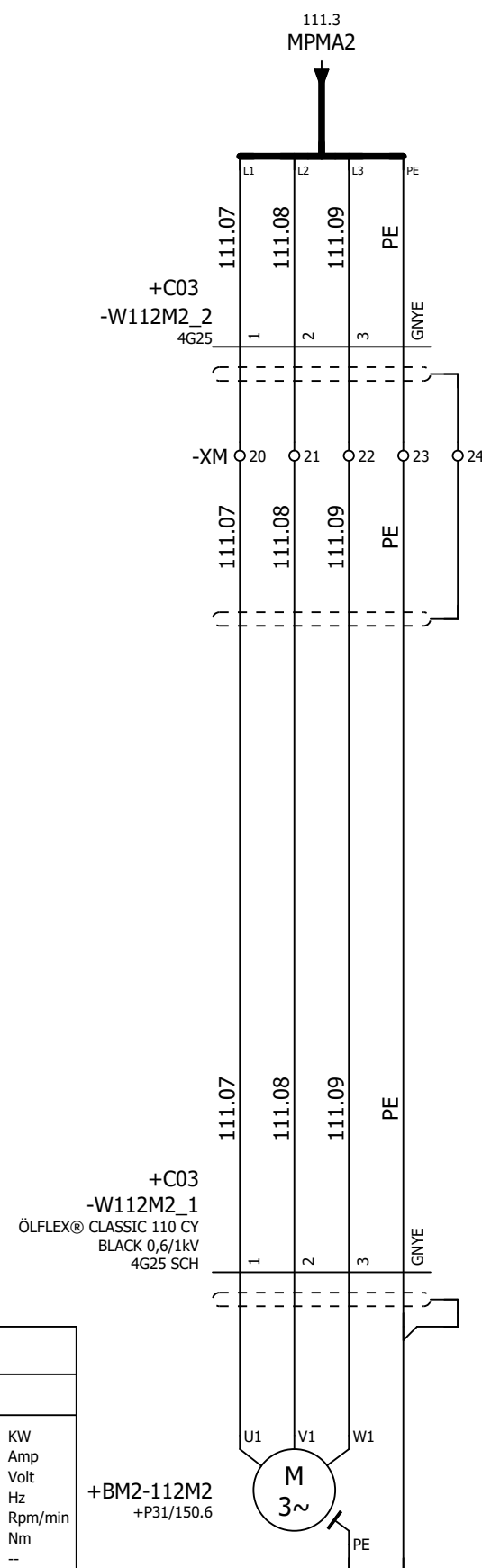


COLD WATER SUPPLY MOTOR
PUMP 2 COLD WATER SUPPLY



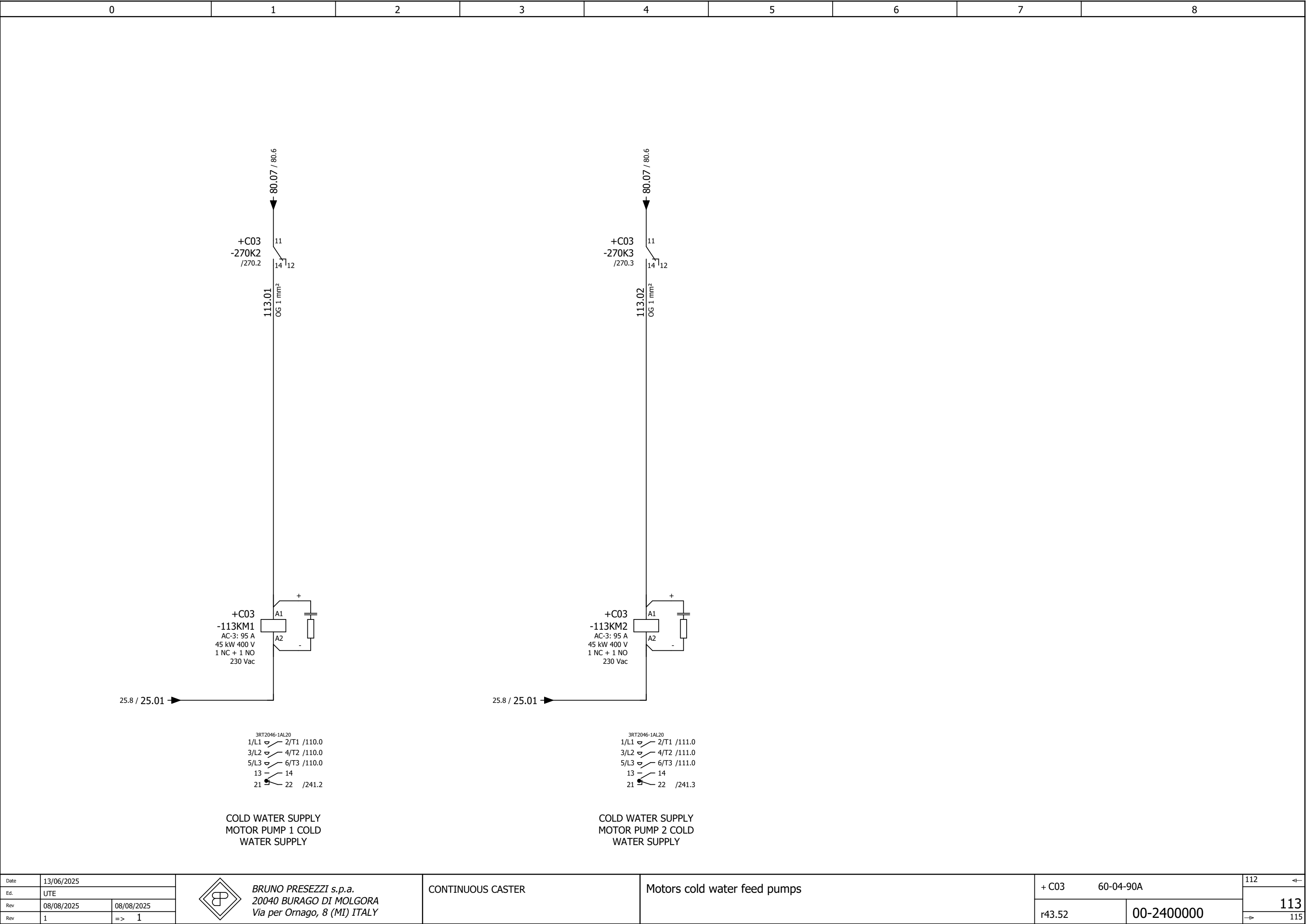
COLD WATER SUPPLY MOTOR
PUMP 1 COLD WATER SUPPLY

MOTOR		
TYPE: KSB 225S/M-04		
POWER	45	KW
CURRENT	83,9	Amp
TENSION	400	Volt
FREQUENCY	50	Hz
SPEED nom.	1480	Rpm/min
TORQUE nom.	290	Nm
COS φ	0,82	--

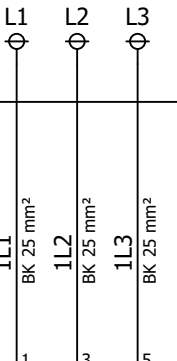


COLD WATER SUPPLY MOTOR
PUMP 2 COLD WATER SUPPLY

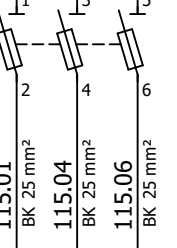
MOTOR		
TYPE: KSB 225S/M-04		
POWER	45	KW
CURRENT	83,9	Amp
TENSION	400	Volt
FREQUENCY	50	Hz
SPEED nom.	1480	Rpm/min
TORQUE nom.	290	Nm
COS φ	0,82	--



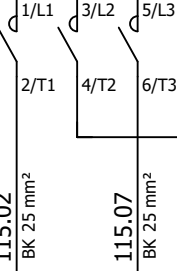
+C03
-10U2
/10.5



+C03
-115F1
BCH 3x58
CH22 80A gG



+C03
-115KM1
/115.8



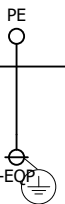
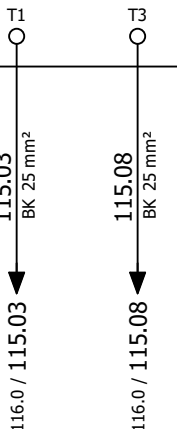
115.05
BK 25 mm²

115.05 / 116.0

+C03
-115U1
480V
90A



RS2090-44V80-H2011



41.07
BU 1 mm²

41.07 / 41.7

0V
BU 1 mm²

0V / 46.1

41.05
BU 0,5 mm²

41.05 / 242.4

242.01
BU 0,5 mm²

242.01 / 242.4

290.01
BU 0,5 mm²

290.01 / 290.1

290.02
BU 0,5 mm²

290.02 / 290.1

80.05
OG 1 mm²

80.05 / 80.4

25.01
OG 1 mm²

25.01 / 25.7

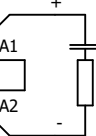
+C03
-270K7
/270.7



115.09
OG 1 mm²

80.07 / 80.6

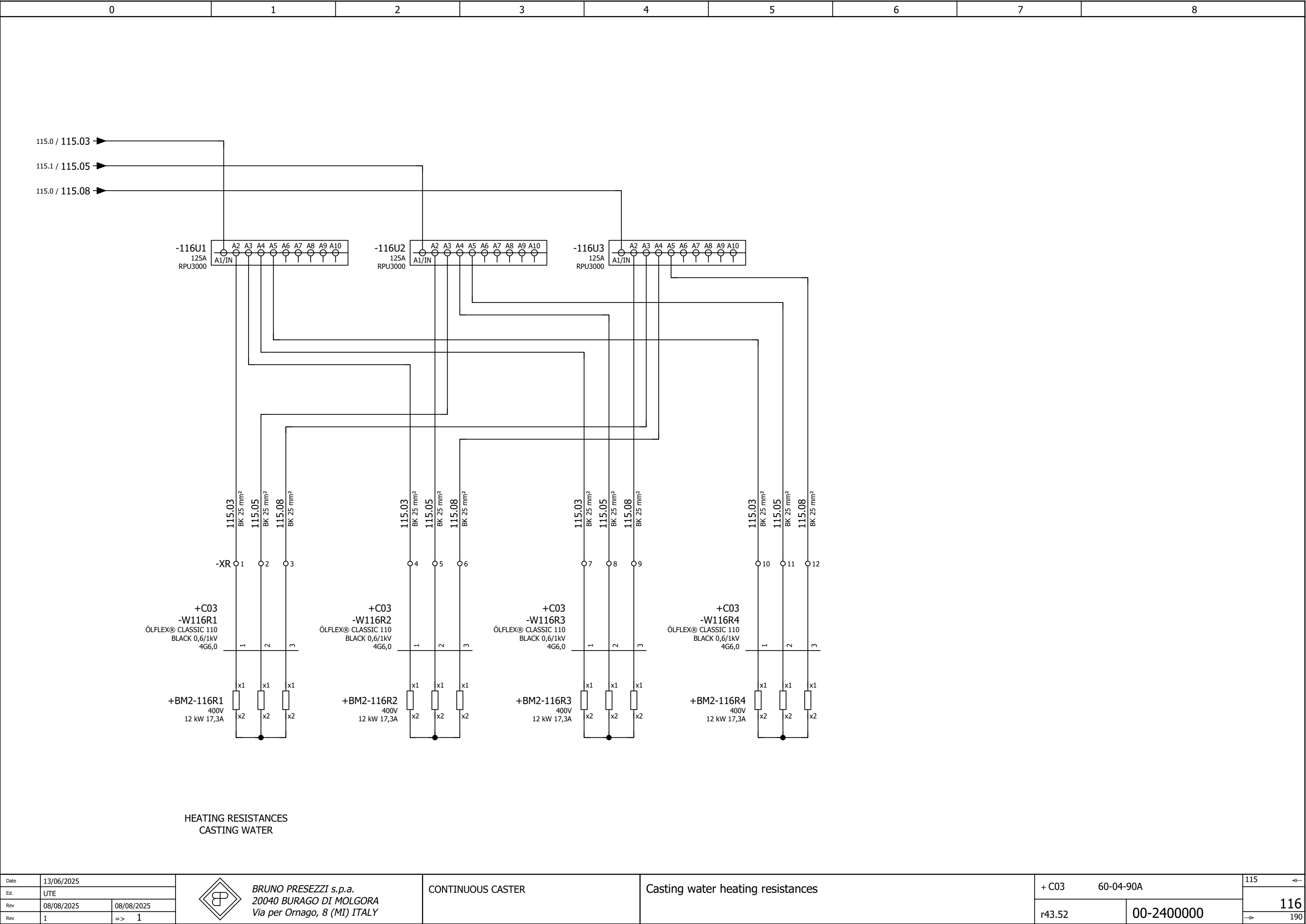
+C03
-115KM1
AC-3: 95 A
45 kW 400 V
1 NC + 1 NO
230 Vac

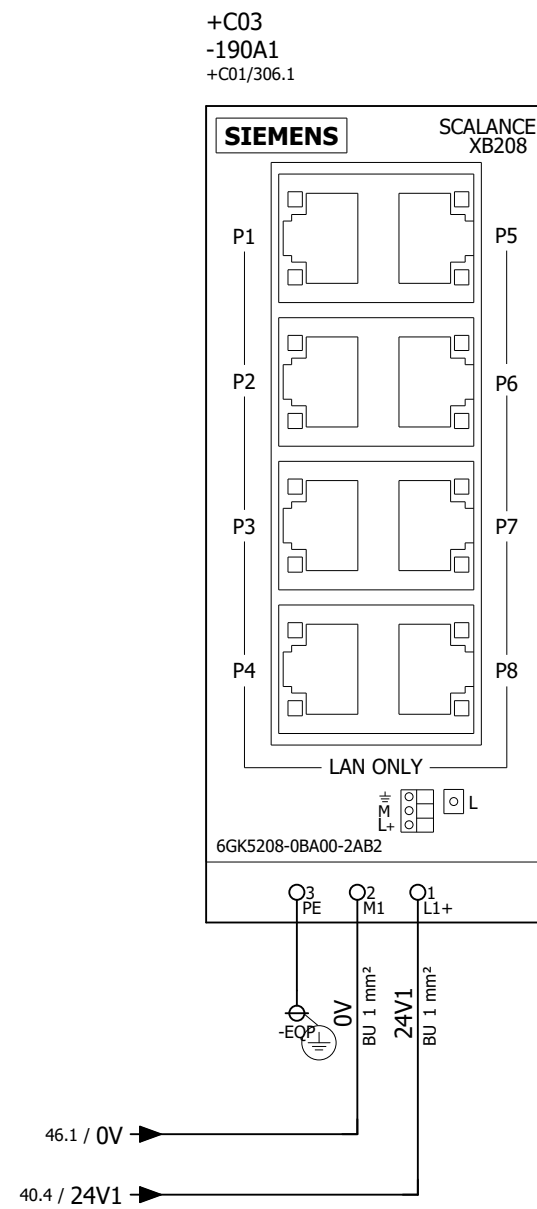


25.8 / 25.01

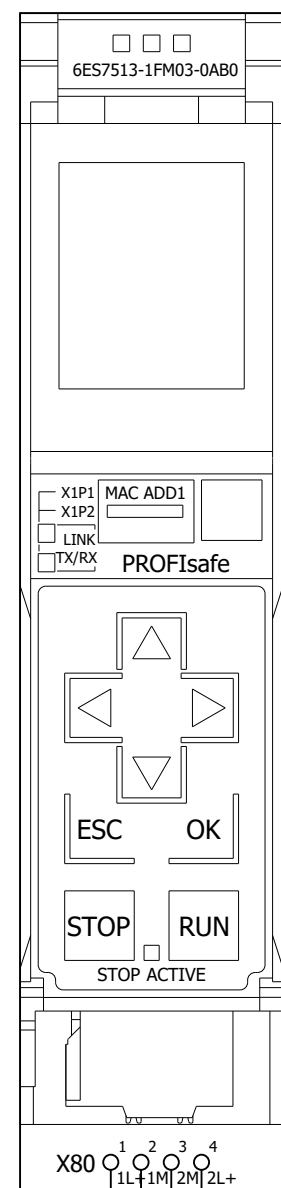
3RT2046-1AL20
1/L1 2/T1 /115.0
3/L2 4/T2 /115.0
5/L3 6/T3 /115.0
13 14
21 22 /241.7

HEATING RESISTANCES
WATER





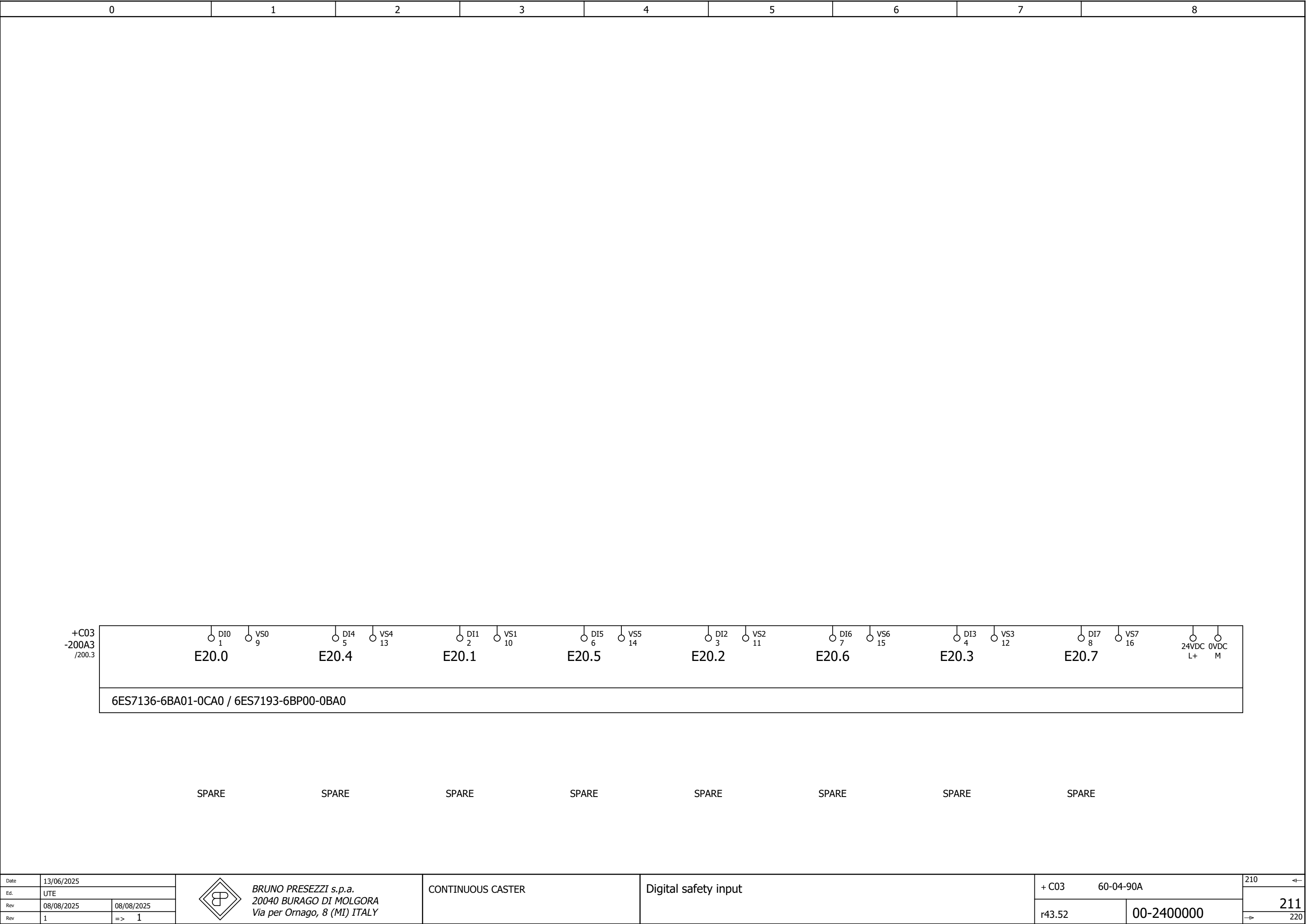
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+C03
-195A1
+C01/306.3
192.168.47.160
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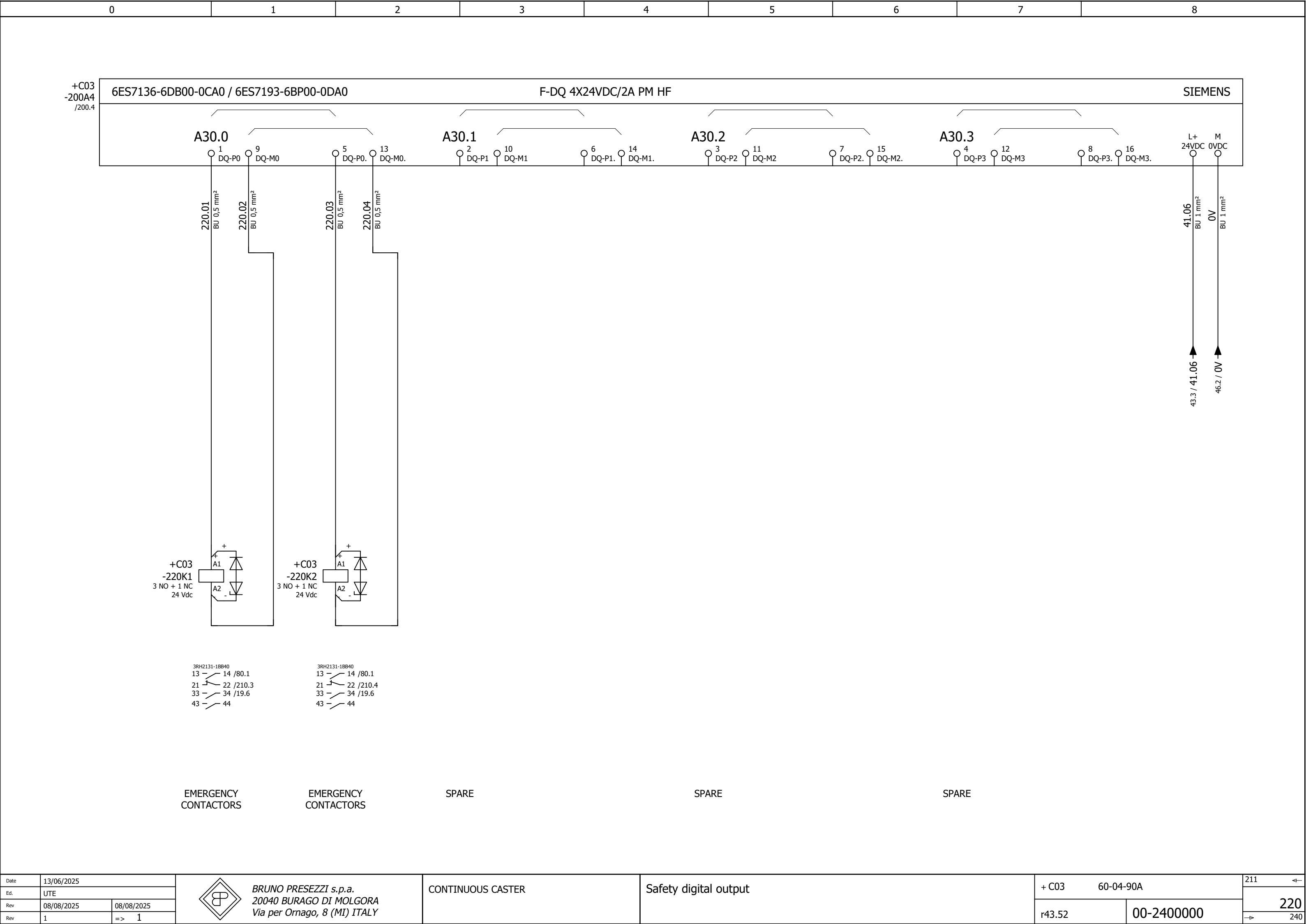


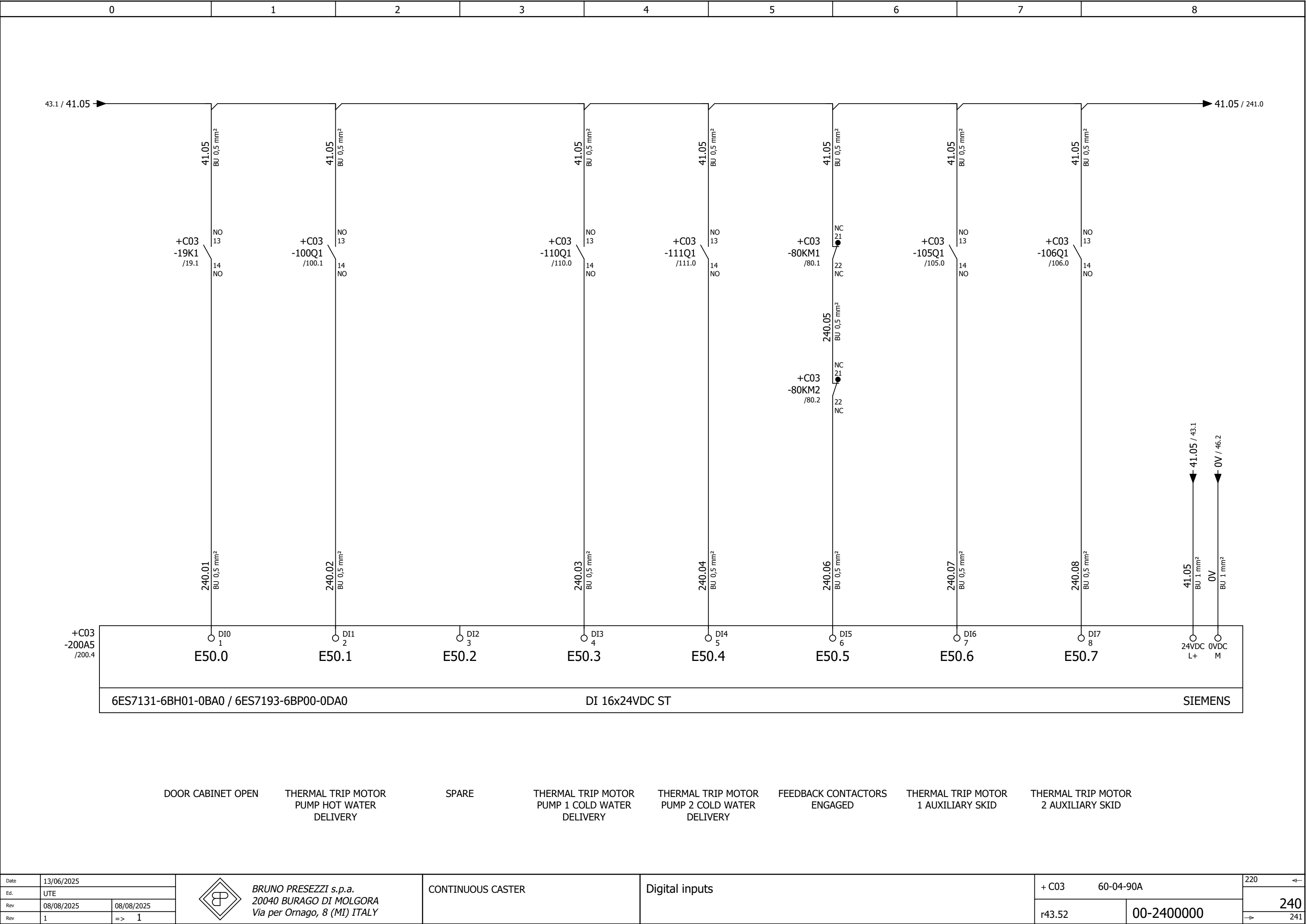
40.4 / 24V1 ➡

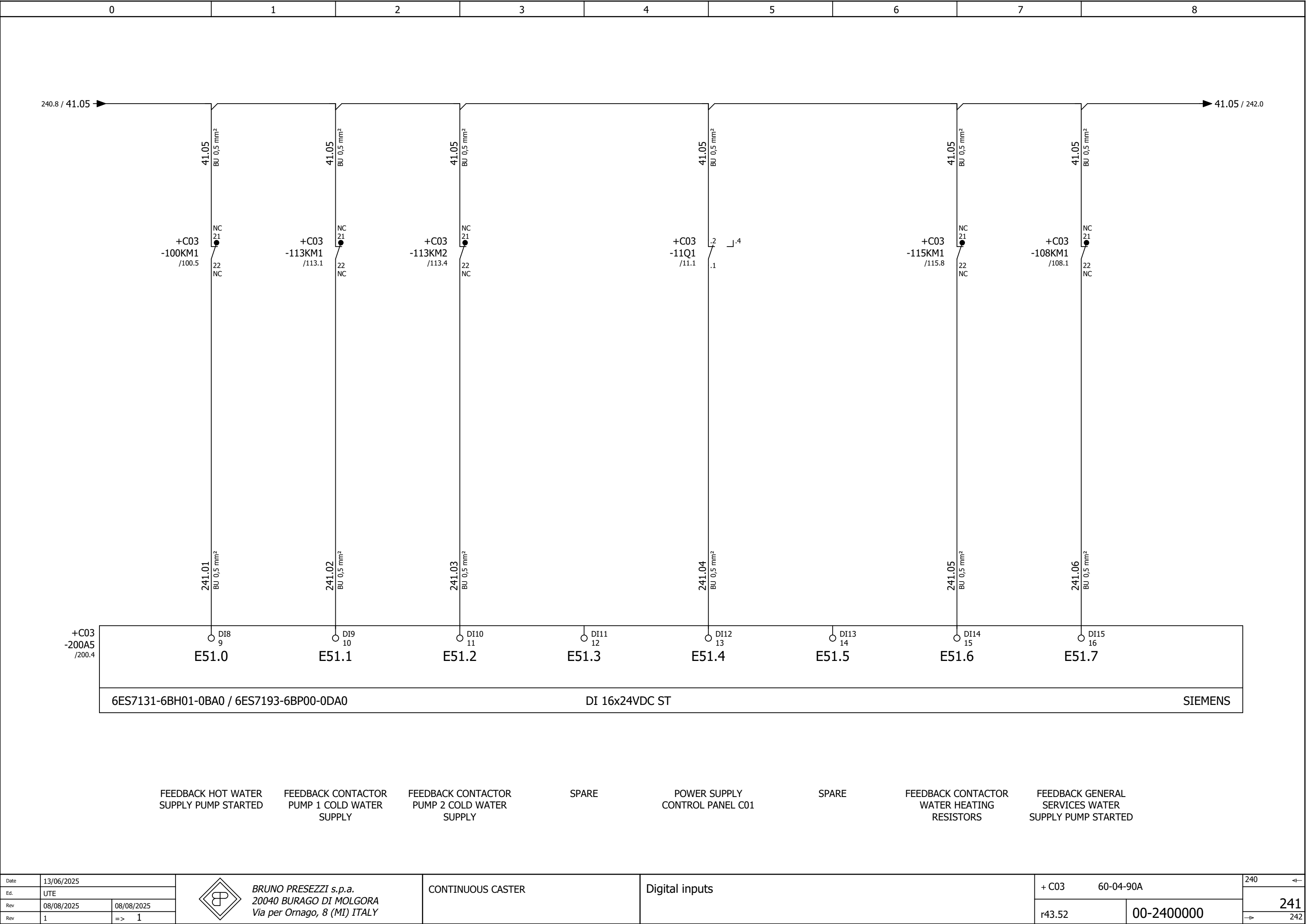
46.1 / 0V

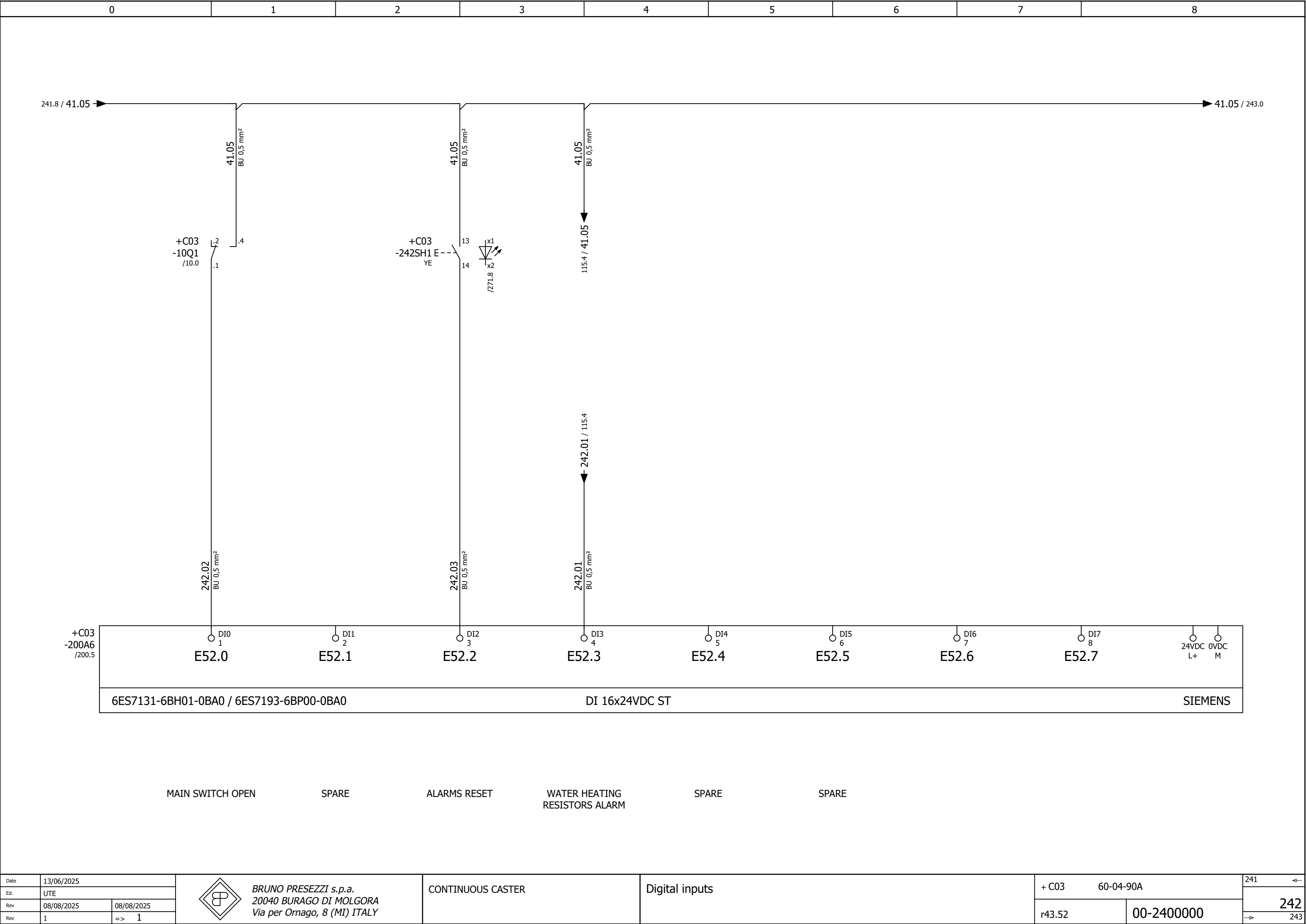


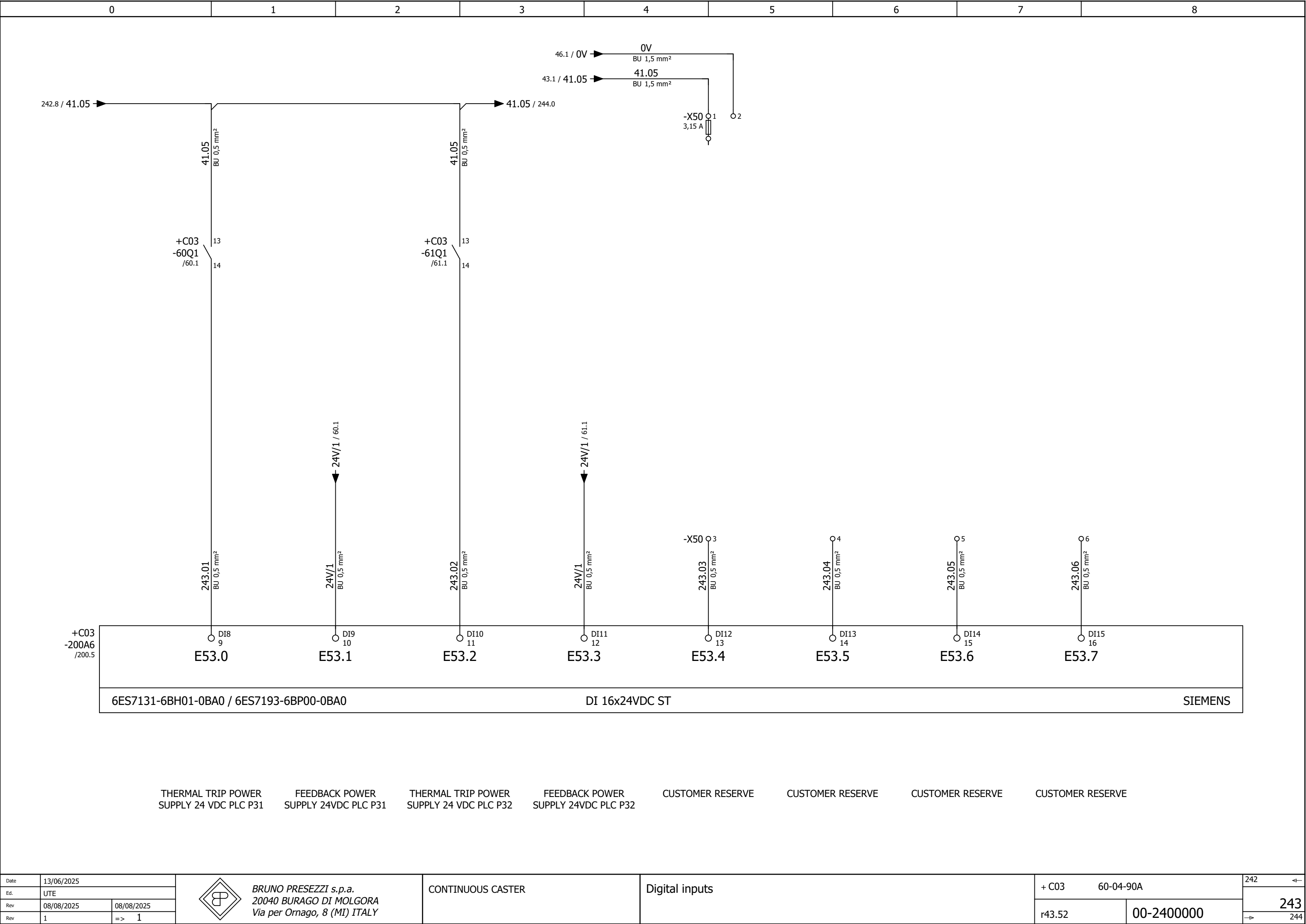


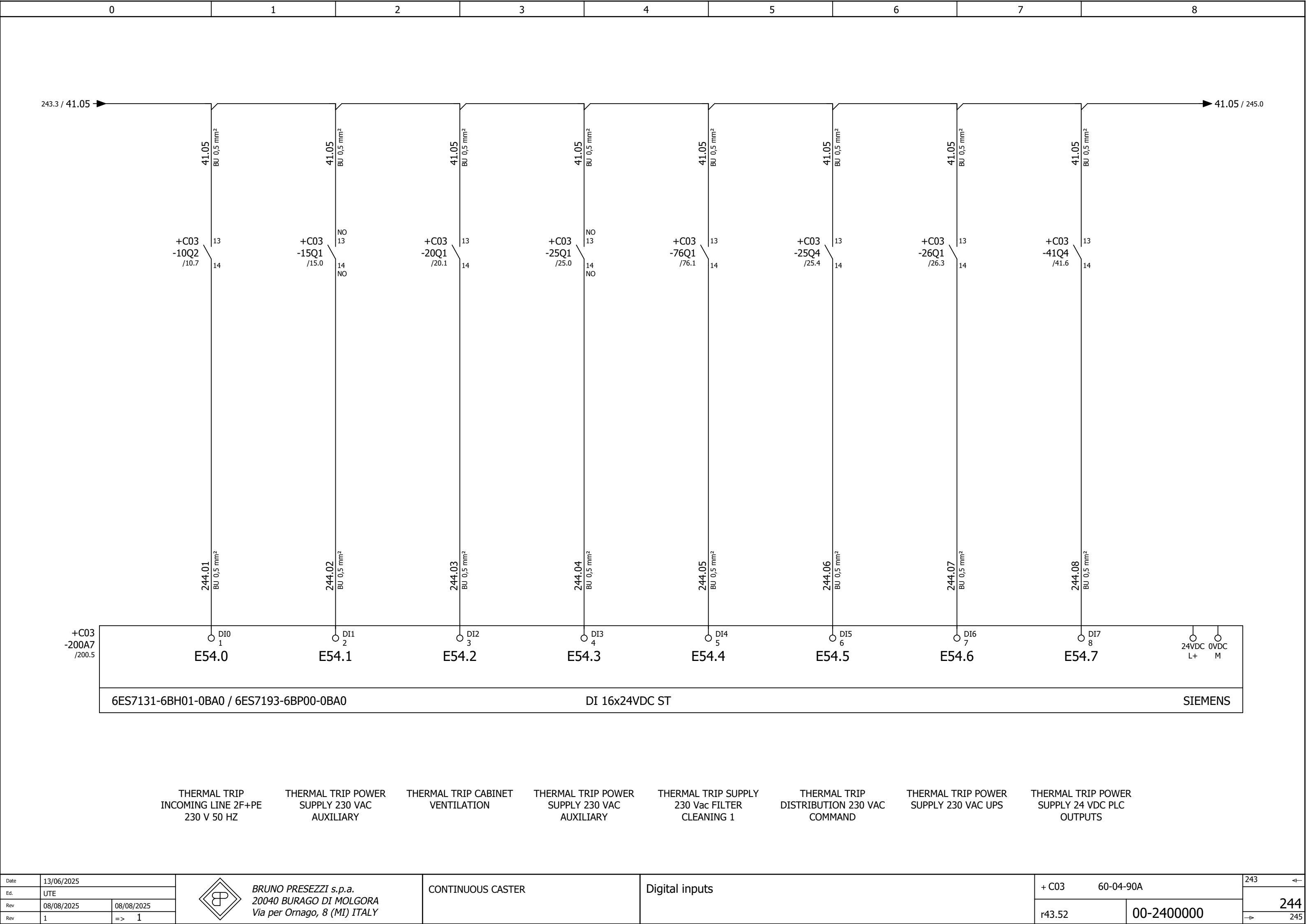












41.05

BU 0,5 mm²

+C03

-25Q1

/25.0

NO 13

14 NO

244.04

BU 0,5 mm²

DI3

4

E54.3

41.05

BU 0,5 mm²

+C03

-76Q1

/76.1

13

14

244.05

BU 0,5 mm²

DI4

5

E54.4

41.05

BU 0,5 mm²

+C03

-25Q4

/25.4

13

14

244.06

BU 0,5 mm²

DI5

6

E54.5

41.05

BU 0,5 mm²

+C03

-26Q1

/26.3

13

14

244.07

BU 0,5 mm²

DI6

7

E54.6

41.05

BU 0,5 mm²

+C03

-41Q4

/41.6

13

14

244.08

BU 0,5 mm²

DI7

8

E54.7

24VDC

0VDC

L+

M

6ES7131-6BH01-0BA0 / 6ES7193-6BP00-0BA0

DI 16x24VDC ST

SIEMENS

THERMAL TRIP
INCOMING LINE 2F+PE
230 V 50 HZ

THERMAL TRIP POWER
SUPPLY 230 VAC
AUXILIARY

THERMAL TRIP CABINET
VENTILATION

THERMAL TRIP POWER
SUPPLY 230 VAC
AUXILIARY

THERMAL TRIP SUPPLY
230 Vac FILTER
CLEANING 1

THERMAL TRIP
DISTRIBUTION 230 VAC
COMMAND

THERMAL TRIP POWER
SUPPLY 230 VAC UPS

THERMAL TRIP POWER
SUPPLY 24 VDC PLC
OUTPUTS

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ C03

60-04-90A

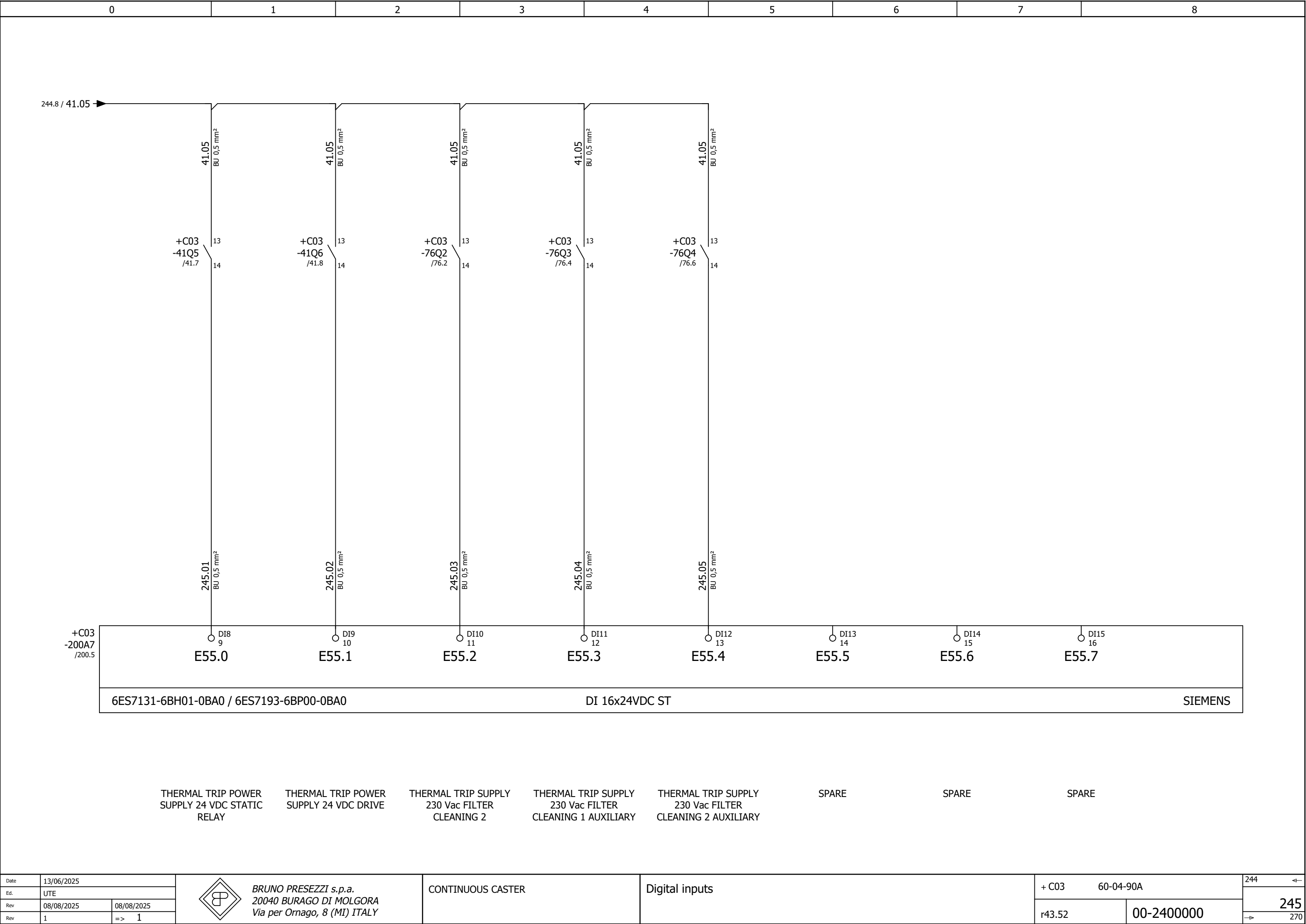
r43.52

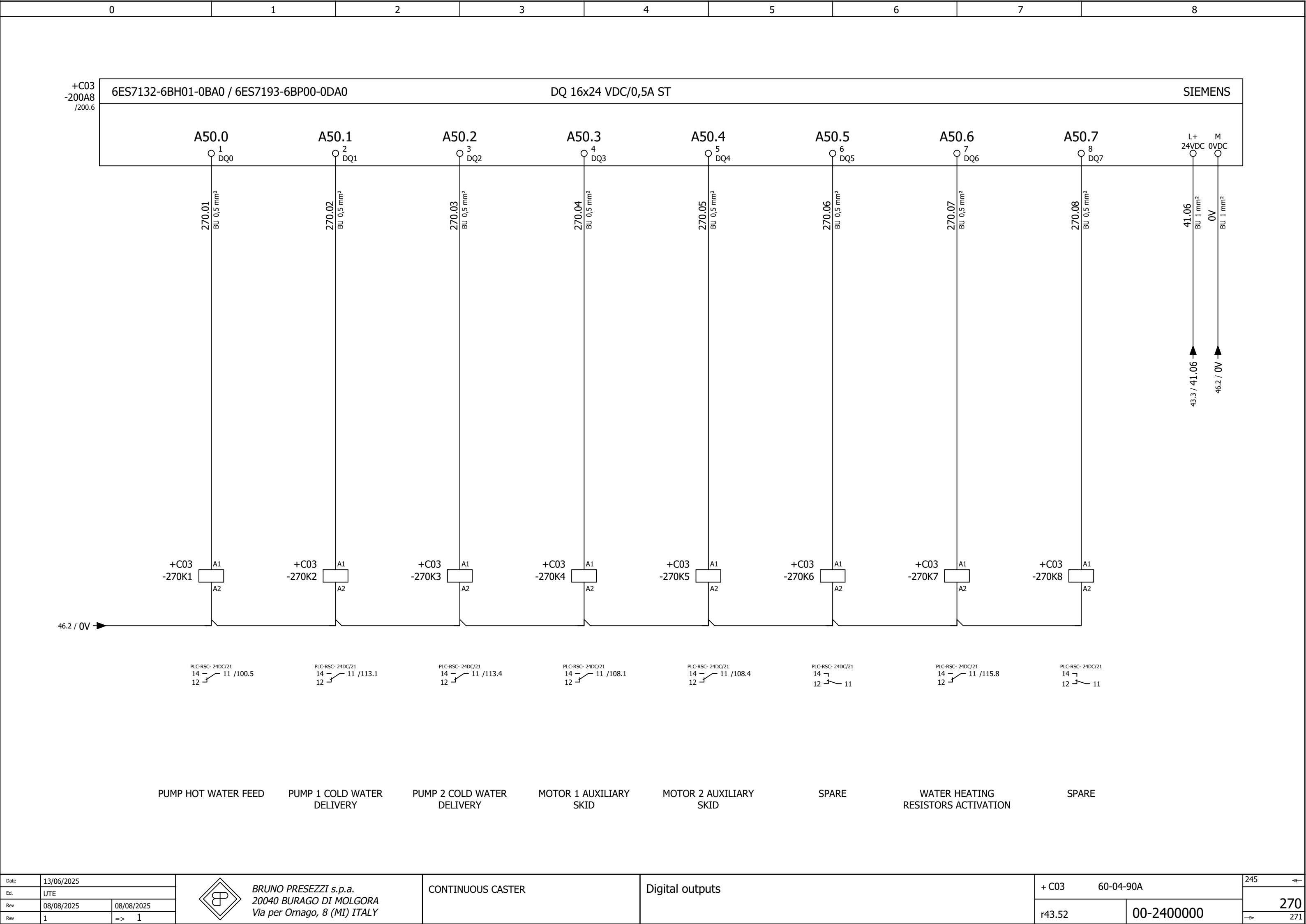
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243

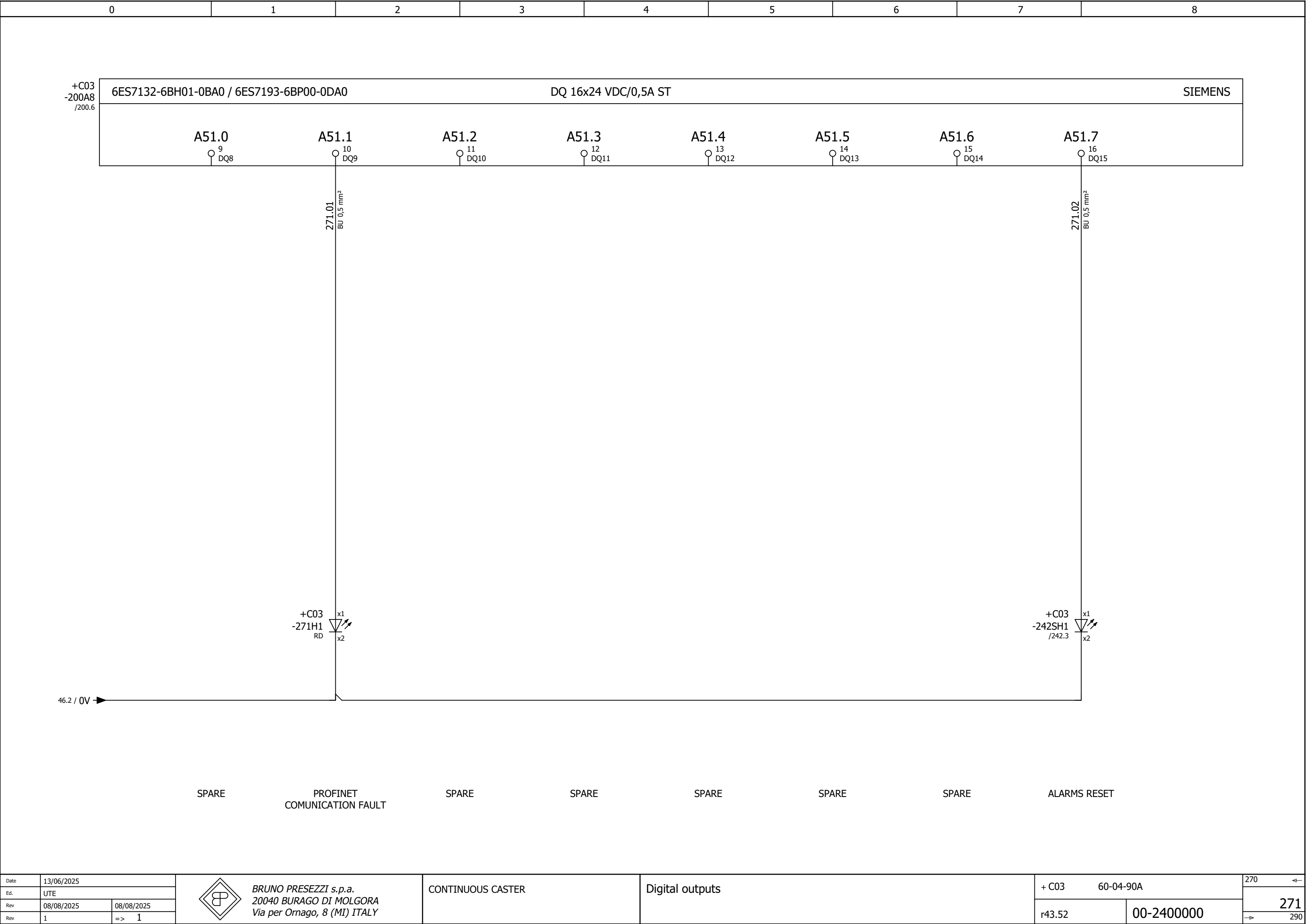
244

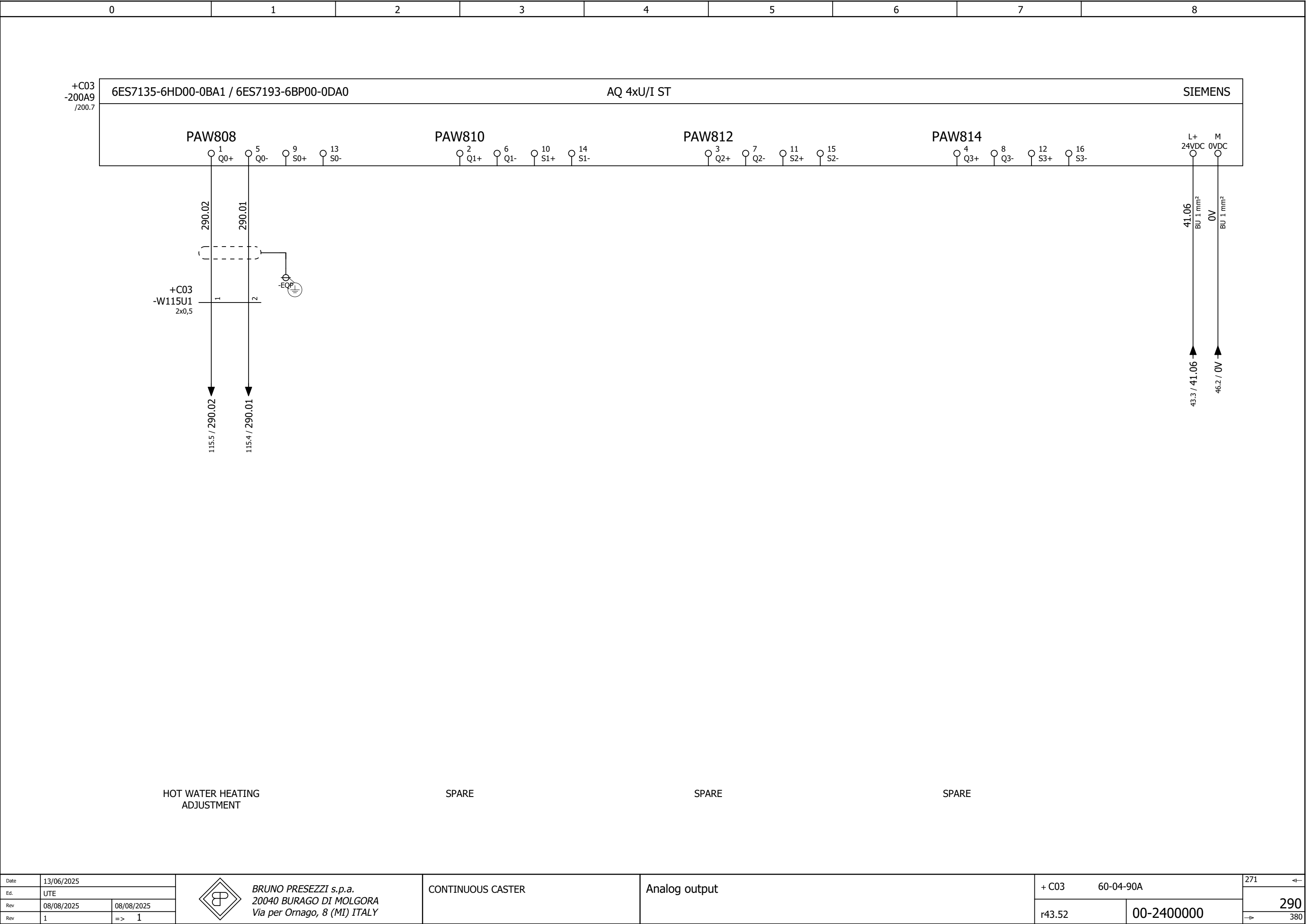
245





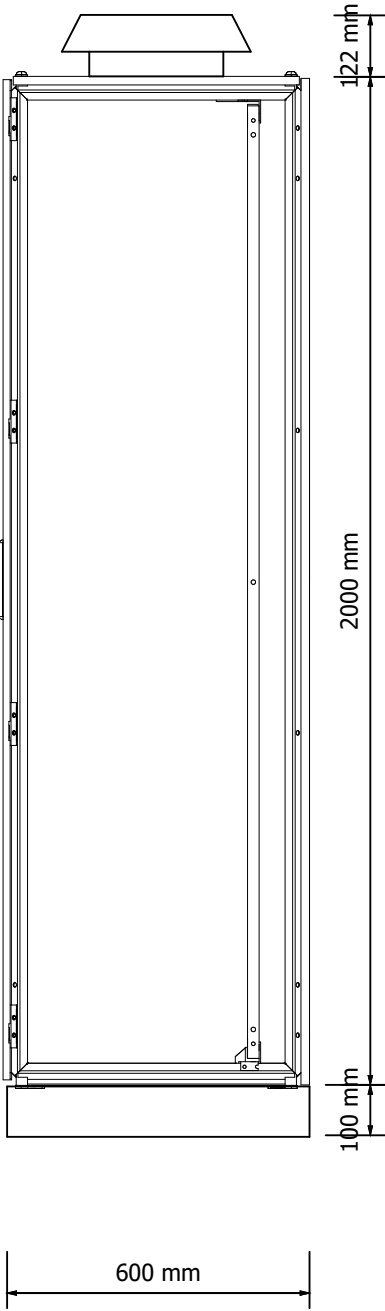
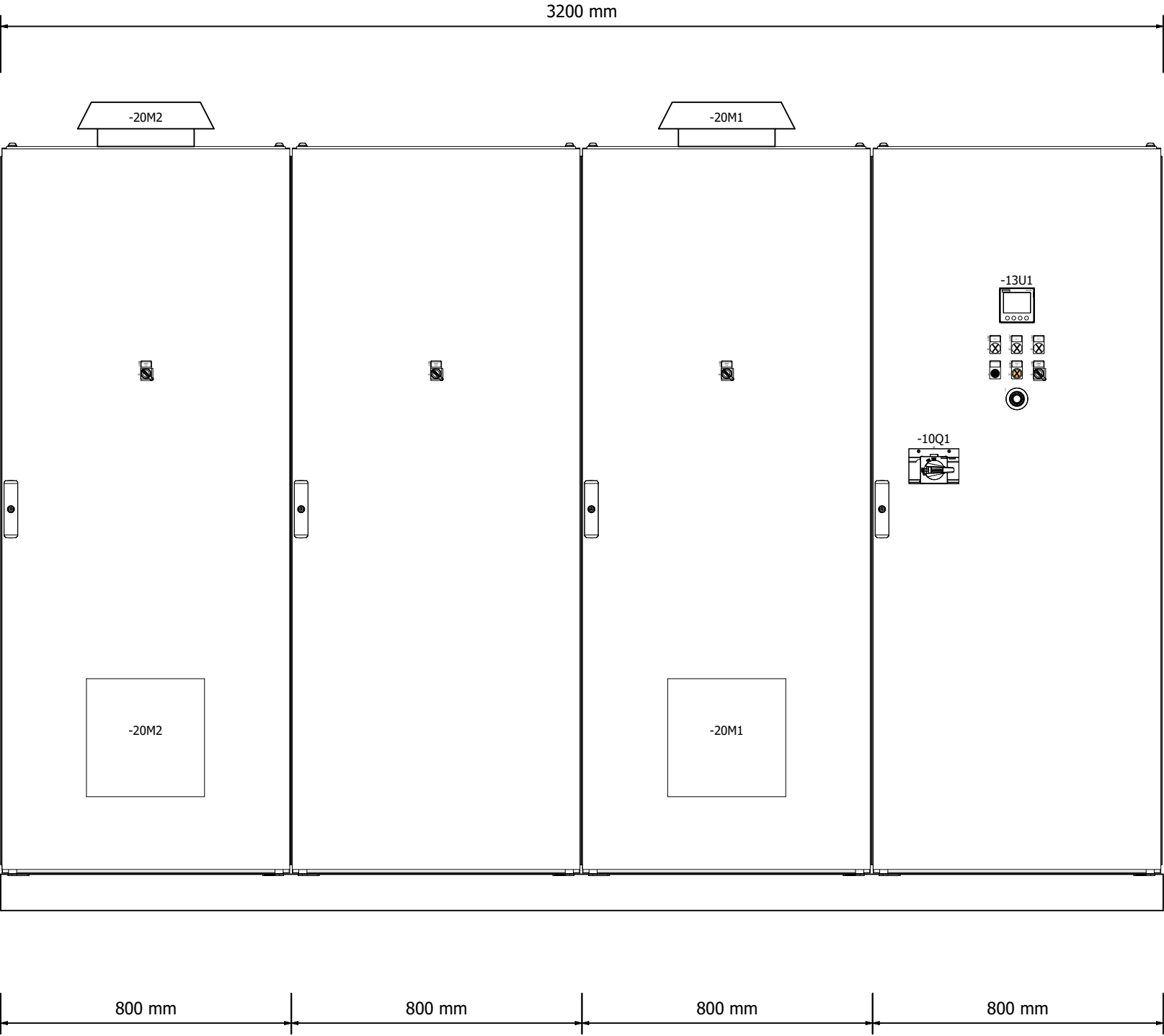
Date	13/06/2025		<div><div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Digital outputs	+ C03 60-04-90A		245
Ed.	UTE					270		
Rev	08/08/2025	08/08/2025						
Rev	1	=> 1					r43.52	00-2400000





TERMINAL STRIP AND COTORS

- XP = Terminal block incoming line 230Vac from customer
- X230V = 230Vac common terminal strip
- X24V = 24Vdc common terminal strip
- XM = Motor terminal strip
- XR = Water heating resistance terminal block
- XUPS = Ups terminal strip
- XP31 = Box P31 terminal strip
- XP32 = Box P32 terminal strip
- XEXT1P = Power supply terminal block 230 Vac filter cleaning control unit
- X50 = Customer-available signals terminal block
- XC01 = Panel exchange signals terminal block C01



Cabinet	: 3200x2000(+100)x600
Material	: Steel
Protection	: IP 54
Internal / External Color	: RAL 7035
Manufacturer / Model	: Rittal VX25

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



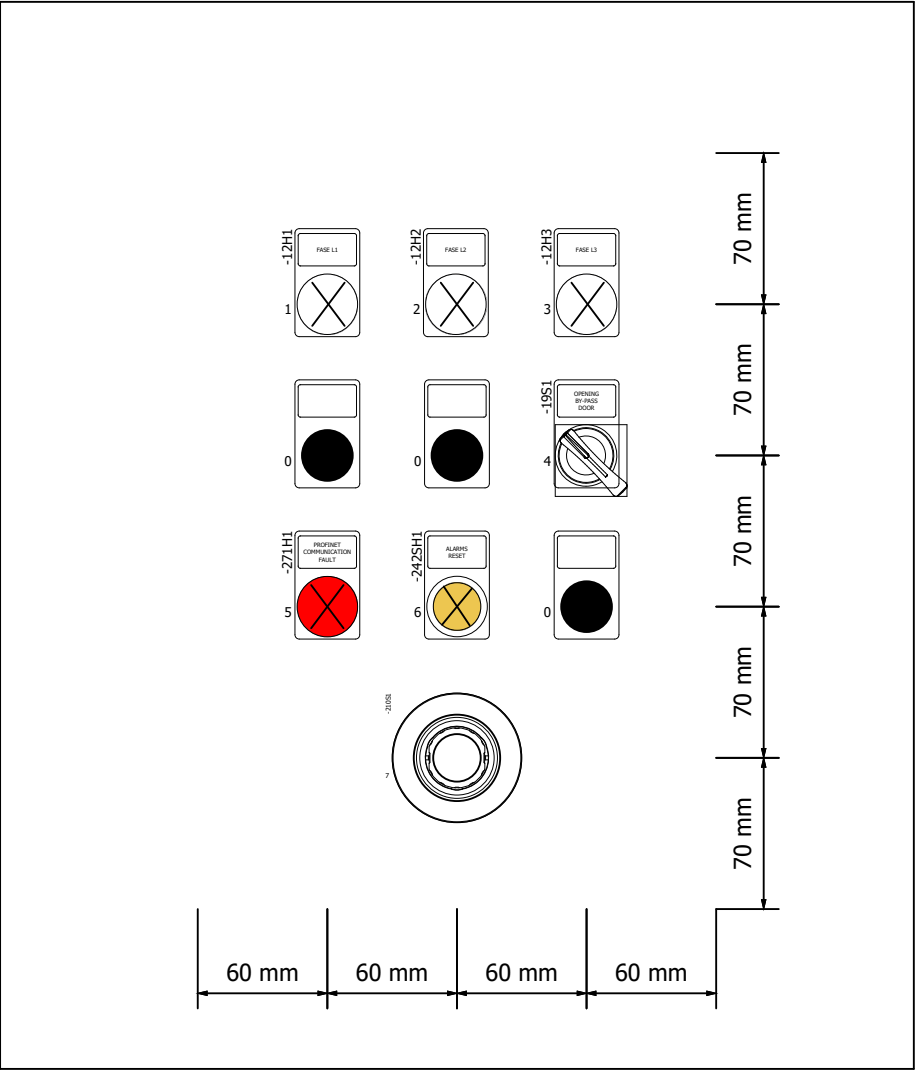
BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

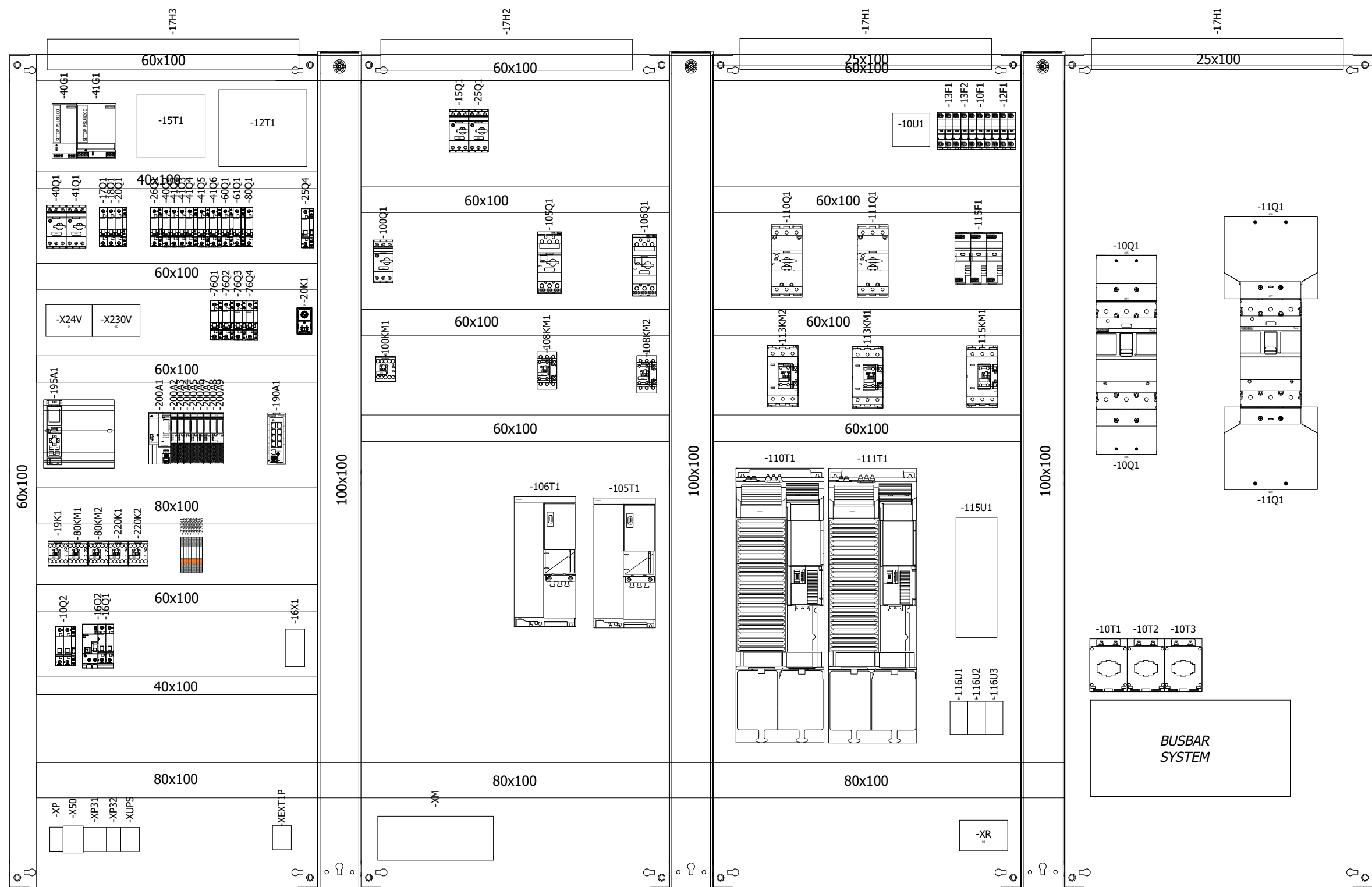
CONTINUOUS CASTER

External layout

+ C03	60-04-90A	380	←
		390	
r43.52	00-2400000	→	391

C03





Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Internal layout

+ C03	60-04-90A
-------	-----------

r43.52

00-2400000


391


392


&MOR/400


Terminal diagram

										External Designation										Designation Internal					
Function text	Cable name									= +C03-X230V 230Vac common terminal strip														Cable name	Page / column
	Cable type									Component Internal	Filo Wire		Terminal	Jumper	Tipo Type	Component				Cable type					
									External		Internal														
DISTRIBUTION 230 Vac AUXILIARY										-13F2	13.04	13.04	1	•	4 mm²	-15T1					&SCH/15.3				
										-20Q1				•											
										-18Q1				•											
DISTRIBUTION 230 Vac AUXILIARY													1	•	4 mm²						&SCH/15.3				
=										-13U1	13.06	13.06	2	•	4 mm²	-15T1					&SCH/15.5				
										-20M1				•											
										-112S1				•											
DISTRIBUTION 230 Vac AUXILIARY													2	•	4 mm²						&SCH/15.5				
POWER SUPPLY 230 Vac UPS										-220K1	25.05	25.05	3	•	4 mm²	-25Q4					&SCH/25.5				
										-80KM1				•											
										-80KM1				•											
POWER SUPPLY 230 Vac UPS										-76Q2	25.05	25.05	3	•	4 mm²	-76Q1					&SCH/25.5				
										-76Q3				•											
										-76Q4				•											
POWER SUPPLY 230 Vac UPS													3	•	4 mm²						&SCH/25.5				
DISTRIBUTION 230 Vac COMMAND										-80KM1	25.01	25.01	4	•	4 mm²	-12T1					&SCH/25.7				
										-115U1				•											
										-100KM1				•											
DISTRIBUTION 230 Vac COMMAND										-113KM2	25.01	25.01	4	•	4 mm²	-113KM1					&SCH/25.8				
										-115KM1				•											
										-108KM1				•											
DISTRIBUTION 230 Vac COMMAND										-XUPS	25.01	25.01	4	•	4 mm²	-108KM2					&SCH/25.8				
										-XEXT1P				•											
										-XEXT1P				•											
DISTRIBUTION 230 Vac COMMAND										-XEXT1P	25.01	25.01	4	•	4 mm²	-XEXT1P					&SCH/25.8				
DISTRIBUTION 230 Vac UPS										-40Q1	26.03	26.03	5	•	4 mm²	-XUPS					&SCH/27.3				
										-41Q1				•											
DISTRIBUTION 230 Vac UPS													5	•	4 mm²						&SCH/27.3				
=										-40Q1	26.04	26.04	6	•	4 mm²	-XUPS					&SCH/27.5				
										-41Q1				•											

13/06/2025		 <div>BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram = +C03-XM	+ C03 60-04-90A		404 ←
UTE							405
08/08/2025	08/08/2025						→ 405.a
1	=> 1				r43.52	00-2400000	

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+C03-XP31	+ C03 60-04-90A		406
UTE					r43.52	00-2400000	40
08/08/2025	08/08/2025						40
1	=> 1						40

13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +C03-XR	+ C03 60-04-90A		408
UTE							409
08/08/2025	08/08/2025						410
1	=> 1						

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+C03-XUPS	+ C03 60-04-90A		409
UTE							
08/08/2025	08/08/2025						41
1	=> 1				r43.52	00-2400000	&DIST/50

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1017	TEKNOMEGA	TKM.BRF 25X5X1000
-10F1	3	Safety fuse	CH10 12A gG	Italweber	IW.1421012
-10F1	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-10Q1	1	Circuit breaker	3VA1332-5EF32-0AA0	Siemens	SIE.3VA1332-5EF32-0AA0
-10Q1	2	Terminal cover	3VA9481-0WF30	Siemens	SIE.3VA9481-0WF30
-10Q1	1	Handle	3VA9467-0FK21	Siemens	SIE.3VA9467-0FK21
-10Q1	1	Coil	3VA9908-0BB11	Siemens	SIE.3VA9908-0BB11
-10Q1	1	Contact	3VA9988-0AA11	Siemens	SIE.3VA9988-0AA11
-10Q2	1	Circui breaker 16A	5SY4216-7	Siemens	SIE.5SY4216-7
-10Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-10T1	1	Transformer	TAC0511K0X05	FRER	FRER.TAC0511K0X05
-10T2	1	Transformer	TAC0511K0X05	FRER	FRER.TAC0511K0X05
-10T3	1	Transformer	TAC0511K0X05	FRER	FRER.TAC0511K0X05
-10U1	1	Distributor	RPT3000	TEKNOMEGA	TKM.RPT 125-6 S
-XP	2	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XP	1	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-11Q1	1	Circuit breaker	3VA1463-5EF32-0AA0	Siemens	SIE.3VA1463-5EF32-0AA0
-11Q1	2	Terminal cover	3VA9401-0WG30	Siemens	SIE.3VA9401-0WG30
-11Q1	2	Accessories	3VA9483-0QC00	Siemens	SIE.3VA9483-0QC00
-11Q1	1	Handle	3VA9467-0EK11	Siemens	SIE.3VA9467-0EK11
-11Q1	1	Coil	3VA9908-0BB11	Siemens	SIE.3VA9908-0BB11
-11Q1	2	Contact	3VA9988-0AA11	Siemens	SIE.3VA9988-0AA11
-XC01	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-12F1	3	Safety fuse	CH10 2A gG	Italweber	IW.1421002
-12F1	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-12H1	1	Lamp	ZB4BV013	Schneider Electric	SE.ZB4BV013
-12H1	1	Led	ZBVM1	Schneider Electric	SE.ZBVM1
-12H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-12H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-12H2	1	Lamp	ZB4BV013	Schneider Electric	SE.ZB4BV013
-12H2	1	Led	ZBVM1	Schneider Electric	SE.ZBVM1
-12H2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-12H2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-12H3	1	Lamp	ZB4BV013	Schneider Electric	SE.ZB4BV013
-12H3	1	Led	ZBVM1	Schneider Electric	SE.ZBVM1
-12H3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-12H3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-13F1	3	Safety fuse	CH10 2A gG	Italweber	IW.1421002
-13F1	1	Fuse holder	BCH 3x38	Italweber	IW.2303038
-13F2	1	Safety fuse	CH10 2A gG	Italweber	IW.1421002
-13F2	1	Fuse holder	BCH 1x38	Italweber	IW.2301038
-13U1	1	Network analyzer	7KM3220-0BA01-1DA0	Siemens	SIE.7KM3220-0BA01-1DA0
-13U1	1	SENTRON Switched Ethernet PROFINET expansion module	7KM9300-0AE02-0AA0	Siemens	SIE.7KM9300-0AE02-0AA0
-15Q1	1	SIRIUS Circuit breaker	3RV2411-1BA10	Siemens	SIE.3RV2411-1BA10
-15Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-15T1	1	Transformer	TM210S230	Elca	ELC.TM210S230
-X230V	19	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-16Q1	1	Circui breaker 4A	5SY4204-7	Siemens	SIE.5SY4204-7
-16Q2	1	Differential block	5SM2322-0	Siemens	SIE.5SM2322-0
-16X1	1	Socket	M1173	ABB	ABB.2CSM110000R0701
-17H1	2	Lamp	050PE13C	Elfin	EF.050PE13C
-17H2	1	Lamp	050PE13C	Elfin	EF.050PE13C
-17H3	1	Lamp	050PE13C	Elfin	EF.050PE13C
-17H4	1	Lamp	050PE13C	Elfin	EF.050PE13C
-17Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-17S1	1	Pick-up	050FI01	Elfin	EF.050FI01

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-17S1	1	Contact	030FAP	Elfin	EF.030FAP
-17S2	1	Pick-up	050FI01	Elfin	EF.050FI01
-17S2	1	Contact	030FAP	Elfin	EF.030FAP
-17S3	1	Pick-up	050FI01	Elfin	EF.050FI01
-17S3	1	Contact	030FAP	Elfin	EF.030FAP
-17S4	1	Pick-up	050FI01	Elfin	EF.050FI01
-17S4	1	Contact	030FAP	Elfin	EF.030FAP
-18Q1	1	Circui breaker	5SY6102-7	Siemens	SIE.5SY6102-7
-18S1	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S1	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220
-18S2	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S2	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220
-18S3	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S3	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220
-18S4	1	Pushbutton	050ASPLD11	Elfin	EF.050ASPD11
-18S4	1	Lamp	010BA9SLLR220	Elfin	EF.010BA9SLLR220
-19K1	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-19K1	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-19S1	1	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-19S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-19S2	1	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-19S2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-19S3	1	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-19S3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-19S4	1	Selector switch	ZB4BJ4	Schneider Electric	SE.ZB4BJ4
-19S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-19S4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-19S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-20K1	1	Temperature switch	THV02	Alfaplastic	ALF.THV02
-20M1	1	Top fan	DLK25BX0B	NVent	NV.DLK25BX0B
-20M1	1	Air filter for DLK ventilation tower	FIL35XN0B	NVent	NV.FIL35XN0B
-20M2	1	Top fan	DLK25BX0B	NVent	NV.DLK25BX0B
-20M2	1	Air filter for DLK ventilation tower	FIL35XN0B	NVent	NV.FIL35XN0B
-20Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-20Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-25Q1	1	SIRIUS Circuit breaker	3RV2411-1FA10	Siemens	SIE.3RV2411-1FA10
-25Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-25Q4	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-25Q4	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-12T1	1	Transformer	TM225S230	Elca	ELC.TM225S230
-26G1	1	UPS + Battery	SRV2KIL-E	Schneider Electric	SE.SRV2KIL-E
-26G1	1	Management board	AP9544	Schneider Electric	SE.AP9544
-26Q1	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-26Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XUPS	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XUPS	2	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-40G1	1	Power supply unit	6EP1334-3BA10	Siemens	SIE.6EP1334-3BA10
-40Q1	1	Motor overload switch	3RV2011-1EA10	Siemens	SIE.3RV2011-1EA10
-40Q2	1	Circui breaker	5SY6110-7	Siemens	SIE.5SY6110-7
-X24V	16	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-41G1	1	Power supply unit	6EP1336-3BA10	Siemens	SIE.6EP1336-3BA10
-41Q1	1	Motor overload switch	3RV2011-1DA10	Siemens	SIE.3RV2011-1DA10
-41Q2	1	Circui breaker	5SY6116-7	Siemens	SIE.5SY6116-7
-41Q3	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-41Q4	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-41Q4	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-41Q5	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-41Q5	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-41Q6	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-41Q6	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-60Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-60Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP31	3	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XP31	1	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-61Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-61Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XP32	3	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP32	1	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-76Q1	1	Circui breaker	5SY6102-7	Siemens	SIE.5SY6102-7
-76Q1	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-76Q2	1	Circui breaker	5SY6102-7	Siemens	SIE.5SY6102-7
-76Q2	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-76Q3	1	Circui breaker	5SY6110-7	Siemens	SIE.5SY6110-7
-76Q3	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-76Q4	1	Circui breaker	5SY6110-7	Siemens	SIE.5SY6110-7
-76Q4	1	Auxiliary contact 1NO + 1 NC	5ST3010	Siemens	SIE.5ST3010
-XEXT1P	8	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XEXT1P	4	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-80KM1	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-80KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-80KM2	1	Contactor 3 kW	3RT2015-1AP02	Siemens	SIE.3RT2015-1AP02
-80KM2	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-80Q1	1	Circui breaker	5SY6102-7	Siemens	SIE.5SY6102-7
-100KM1	1	Contactor 5,5 kW	3RT2017-1AP02	Siemens	SIE.3RT2017-1AP02
-100KM1	1	Surge suppressor	3RT2916-1CD00	Siemens	SIE.3RT2916-1CD00
-100Q1	1	Motor overload switch	3RV2011-1KA10	Siemens	SIE.3RV2011-1KA10
-100Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-100Q1	1	Connction module	3RA1921-1DA00	Siemens	SIE.3RA1921-1DA00
-XM	7	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XM	1	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-105Q1	1	Motor overload switch	3RV2031-4WA10	Siemens	SIE.3RV2031-4WA10
-105Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-105T1	1	SINAMICS G120C 11kW	6SL3210-1KE22-6AF1	Siemens	SIE.6SL3210-1KE22-6AF1
-106Q1	1	Motor overload switch	3RV2031-4WA10	Siemens	SIE.3RV2031-4WA10
-106Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-106T1	1	SINAMICS G120C 11kW	6SL3210-1KE22-6AF1	Siemens	SIE.6SL3210-1KE22-6AF1
-XM	6	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
-XM	2	Feed-through terminal	ST 10-PE	Phoenix Contact	PXC.3036136
-108KM1	1	Contactor 15 kW	3RT2027-1AL20	Siemens	SIE.3RT2027-1AL20
-108KM1	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-108KM2	1	Contactor 15 kW	3RT2027-1AL20	Siemens	SIE.3RT2027-1AL20
-108KM2	1	Surge suppressor	3RT2926-1CD00	Siemens	SIE.3RT2926-1CD00
-110Q1	1	Motor overload switch	3RV2041-4MA10	Siemens	SIE.3RV2041-4MA10
-110Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-110T1	1	SINAMICS G120C 45kW	6SL3210-1KE28-4AF1	Siemens	SIE.6SL3210-1KE28-4AF1
-111Q1	1	Motor overload switch	3RV2041-4MA10	Siemens	SIE.3RV2041-4MA10

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-111Q1	1	Auxiliary contact 1NO + 1 NC	3RV2901-1E	Siemens	SIE.3RV2901-1E
-111T1	1	SINAMICS G120C 45kW	6SL3210-1KE28-4AF1	Siemens	SIE.6SL3210-1KE28-4AF1
-XM	6	Feed-through terminal	ST 35	Phoenix Contact	PXC.3036178
-XM	2	Feed-through terminal	ST 35-PE	Phoenix Contact	PXC.3036194
-113KM1	1	Contactor 45 kW	3RT2046-1AL20	Siemens	SIE.3RT2046-1AL20
-113KM1	1	Surge suppressor	3RT2946-1CD00	Siemens	SIE.3RT2945-1CD00
-113KM2	1	Contactor 45 kW	3RT2046-1AL20	Siemens	SIE.3RT2046-1AL20
-113KM2	1	Surge suppressor	3RT2946-1CD00	Siemens	SIE.3RT2945-1CD00
-115F1	1	Fuse holder	BCH 3x58	Italweber	IW.2303058
-115F1	3	Safety fuse	CH22 80A gG	Italweber	IW.1441080
-115KM1	1	Contactor 45 kW	3RT2046-1AL20	Siemens	SIE.3RT2046-1AL20
-115KM1	1	Surge suppressor	3RT2946-1CD00	Siemens	SIE.3RT2945-1CD00
-115U1	1	Static relay	RS2090-44V80-H2011	CD AUTOMATION	CD.RS2090-44V80-H2011
-116U1	1	Distributor	RPU3000	TEKNOMEGA	TKM.RPU 125-8 S
-116U2	1	Distributor	RPU3000	TEKNOMEGA	TKM.RPU 125-8 S
-116U3	1	Distributor	RPU3000	TEKNOMEGA	TKM.RPU 125-8 S
-XR	12	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-190A1	1	Switch 8 door(s)	6GK5208-0BA00-2AB2	Siemens	SIE.6GK5208-0BA00-2AB2
-195A1	1	CPU	6ES7513-1FM03-0AB0	Siemens	SIE.6ES7513-1FM03-0AB0
-195A1	1	Mamory Card	6ES7954-8LE04-0AA0	Siemens	SIE.6ES7954-8LE04-0AA0
-195A1	1	Rail	6ES7590-1AB60-0AA0	Siemens	SIE.6ES7590-1AB60-0AA0
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A2	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digita output card	6ES7136-6DB00-0CA0	Siemens	SIE.6ES7136-6DB00-0CA0
-200A4	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A5	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A5	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A6	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A7	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A7	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A8	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A8	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A9	1	Analog output card	6ES7135-6HD00-0BA1	Siemens	SIE.6ES7135-6HD00-0BA1
-200A9	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-210S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-210S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-210S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-210S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-XP31	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-220K1	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K1	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-220K2	1	Auxiliary contactor	3RH2131-1BB40	Siemens	SIE.3RH2131-1BB40
-220K2	1	Surge suppressor	3RT2916-1EH00	Siemens	SIE.3RT2916-1EH00
-242SH1	1	Pushbutton	ZB4BW383	Schneider Electric	SE.ZB4BW383
-242SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-242SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-X50	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X50	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X50	5	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-270K1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-270K2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270K8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-271H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-271H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-390M1	4	VX modular cabinets	VX.8806000	Rittal	RIT.8806000
-390M1	1	VX Side panel, screw-fastened, for HD: 2000x600 mm, sheet steel	VX.8106245	Rittal	RIT.8106245
-390M1	3	TS intermediate mounting panel	TS.4591700	Rittal	RIT.4591700
-390M1	8	Baying connector, external	VX.8617502	Rittal	RIT.8617502
-390M1	1	Wiring plan pocket of sheet steel	PS.4118000	Rittal	RIT.4118000
-390M1	2	Base element	VX.8660033	Rittal	RIT.8660033
-390M1	4	Base element	VX.8660003	Rittal	RIT.8660003
-391S1	3	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	3	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3

WIRES COLOR TABLE









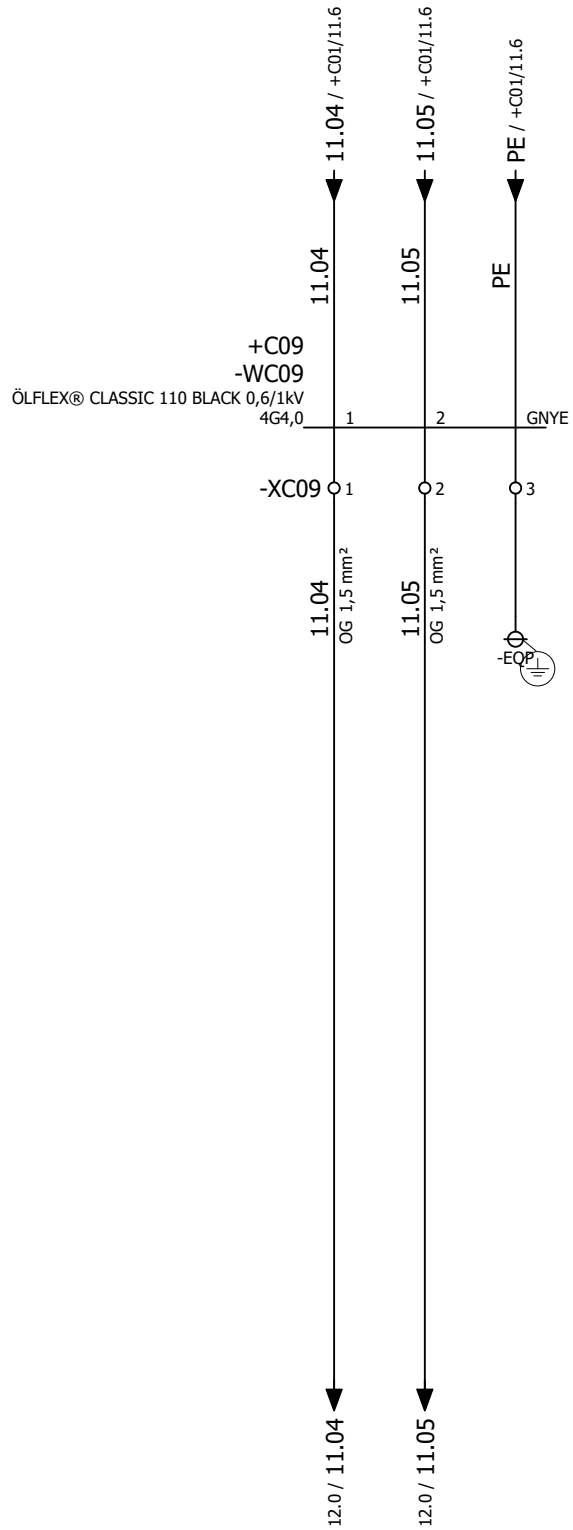
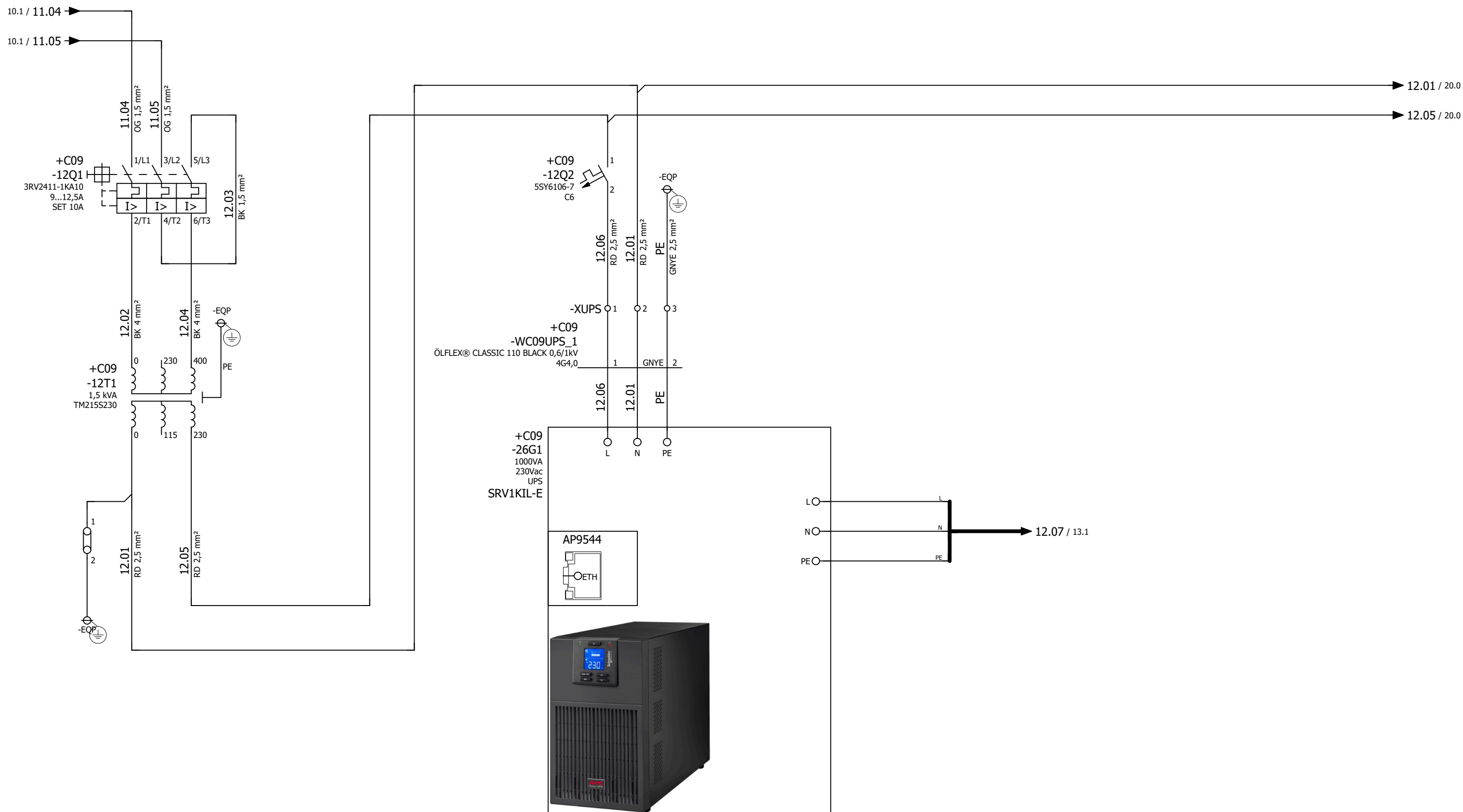
 Wire Colours		Type of Signal
 L1,L2,L3 (Black)		Power Circuit
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac
 24Vdc (Blue)		Auxiliary Circuit 24Vdc
 PE (Yellow-Green)		Protection Circuits PE
 External Circuits (Orange)		External Circuits
 Profinet Cable (Green)		Ethernet Cable
 Internet Cable (Grey)		Internet Cable
Wires Minimum Size	Plc Circuit	0,5 mm ²
	Auxiliary Circuits	1 mm ²
	Power Circuits	1,5 mm ²
		Type mm ²

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Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

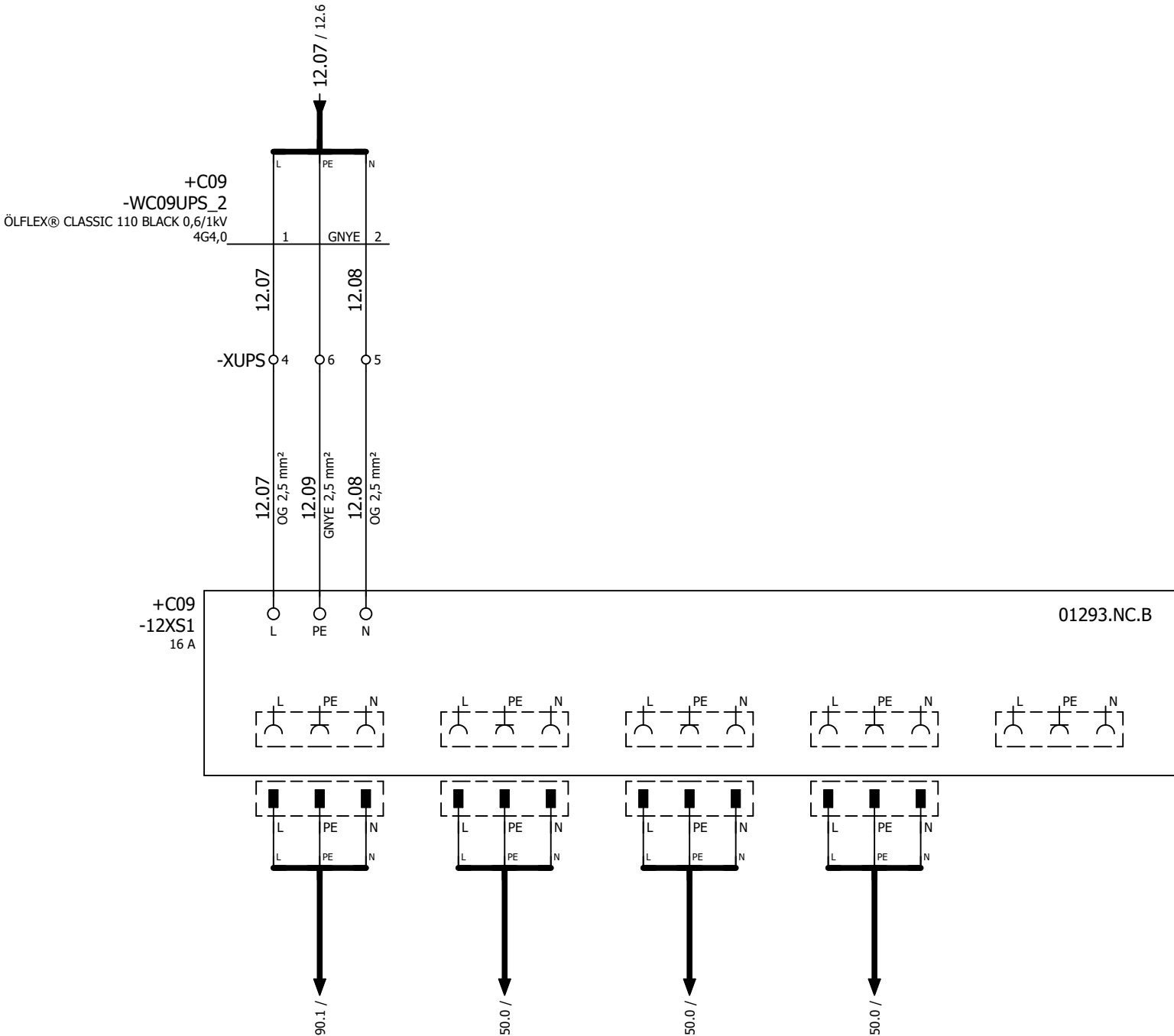
Power supply UPS

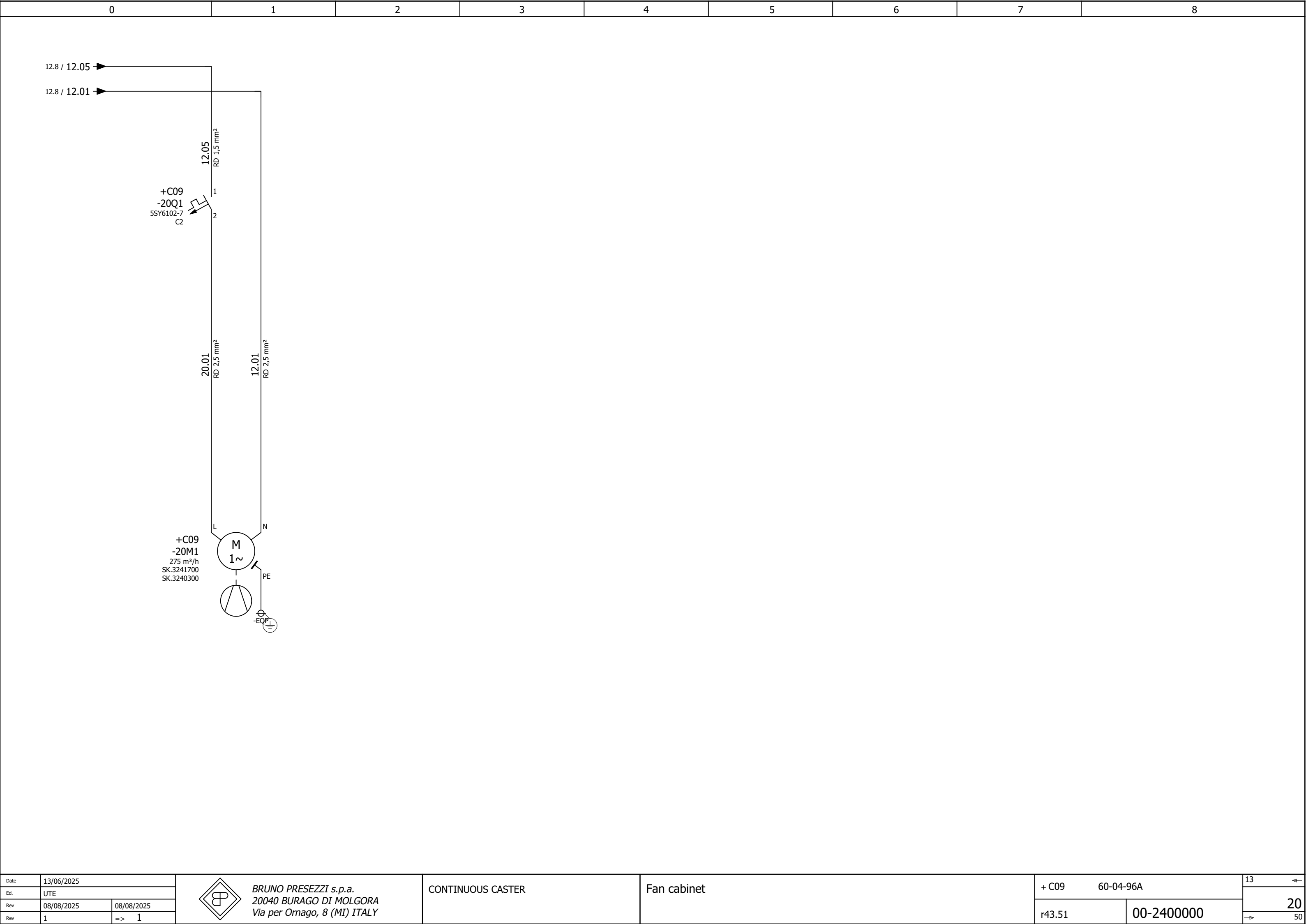
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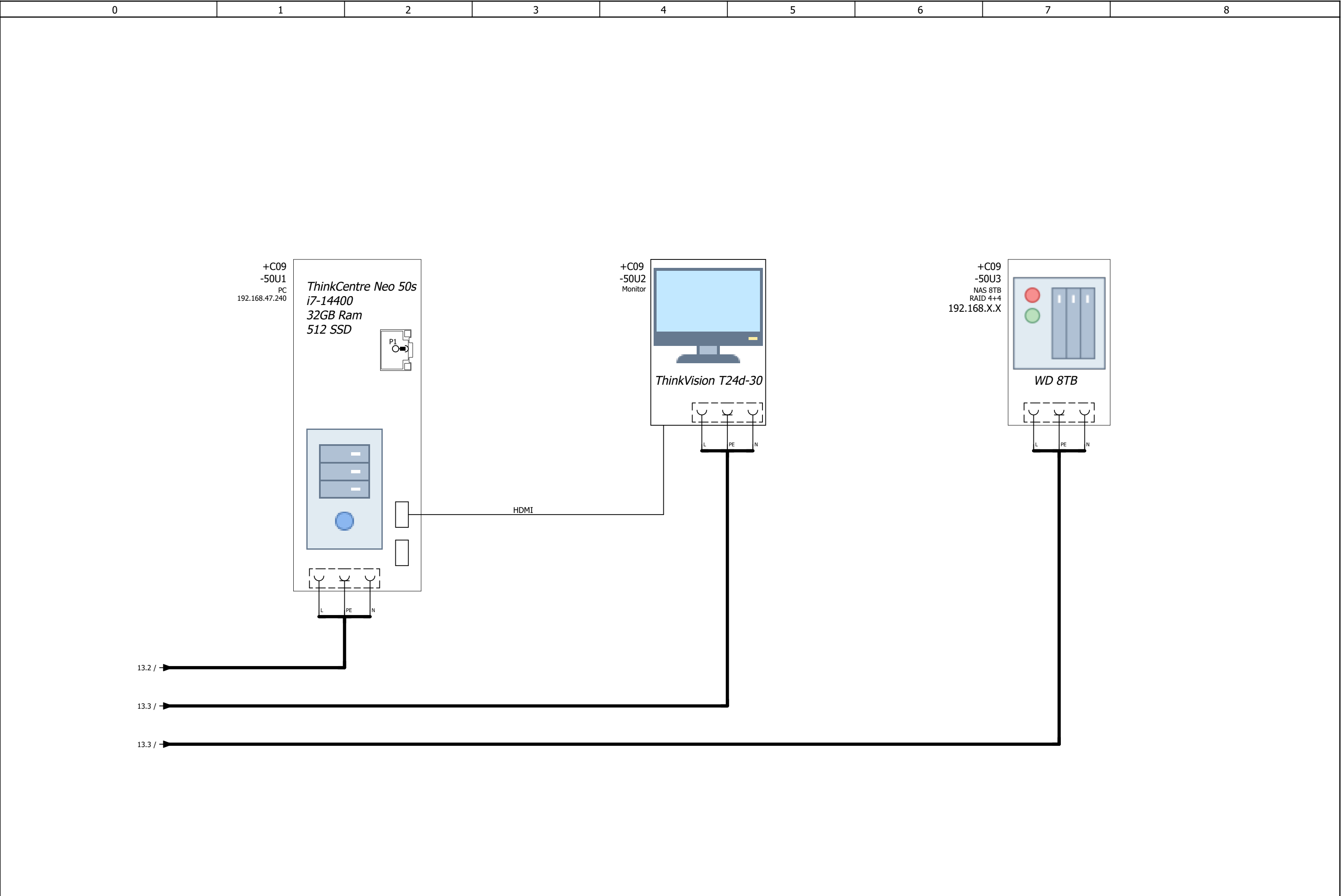
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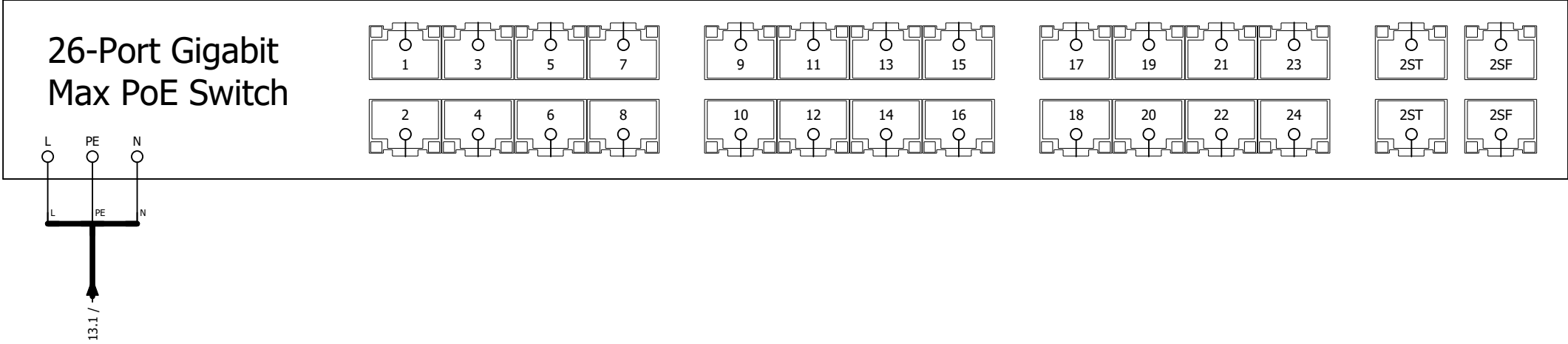
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12	
13	→








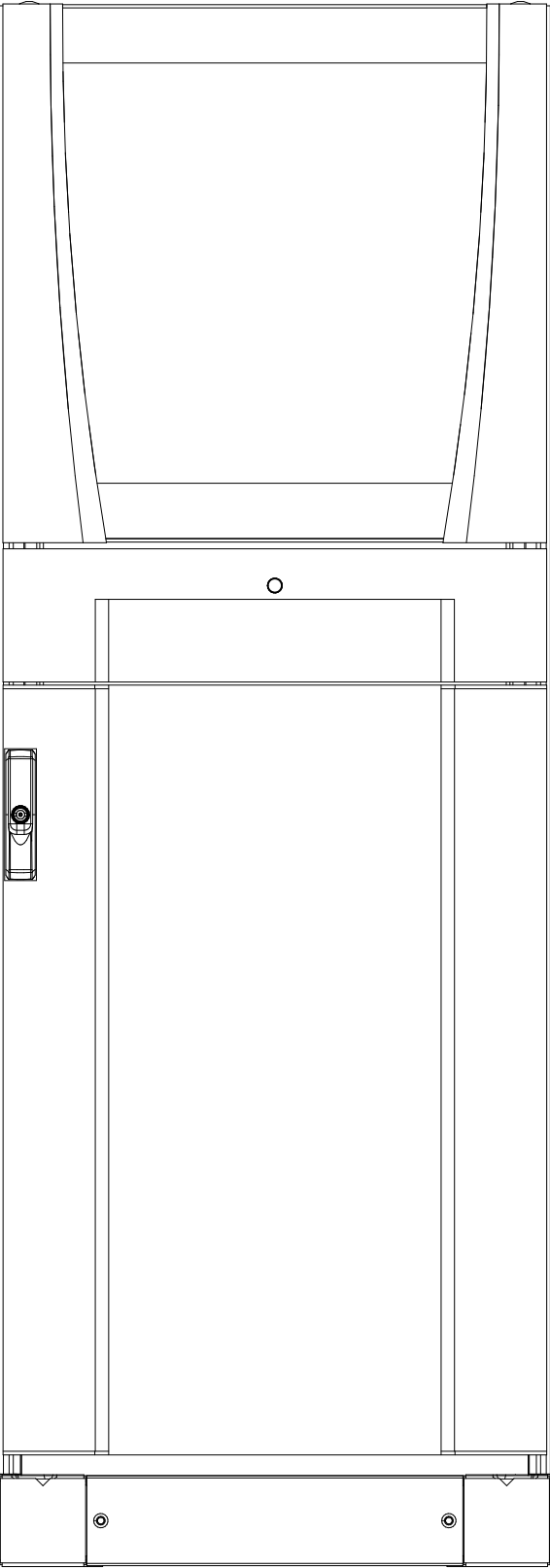
+C09
-90A1
+C01/310.2
DGS-1024D



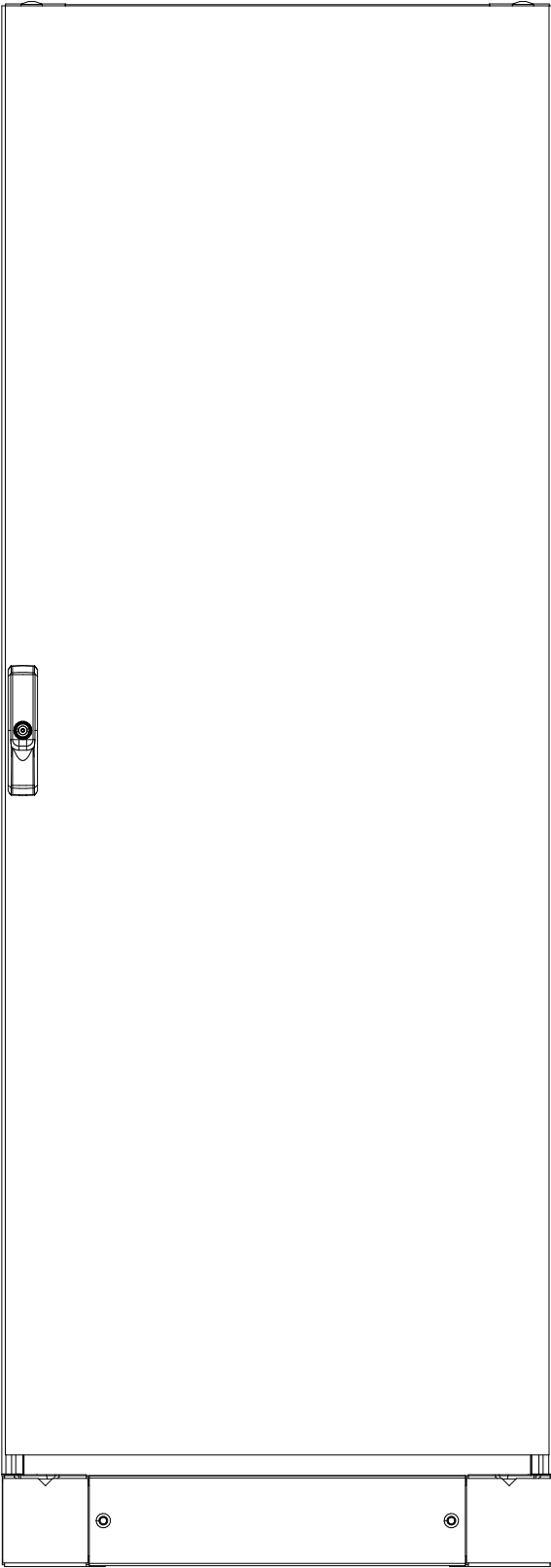
0	1	2	3	4	5	6	7	8		
<div>TERMINAL STRIP AND COTORS</div> <div><div>-XC09 = Power supply terminal strip</div><div>-XUPS = UPS connection terminal block</div></div>										
Date	13/06/2025		<div><div></div><div><div>BRUNO PRESEZZI s.p.a.</div><div>20040 BURAGO DI MOLGORA</div><div>Via per Ornago, 8 (MI) ITALY</div></div></div>	CONTINUOUS CASTER	Terminal strip	+ C0960-04-96A		90		
Ed.	UTE									
Rev	08/08/2025	08/08/2025						380		
Rev	1	=> 1				r43.51	00-2400000	390		

C09

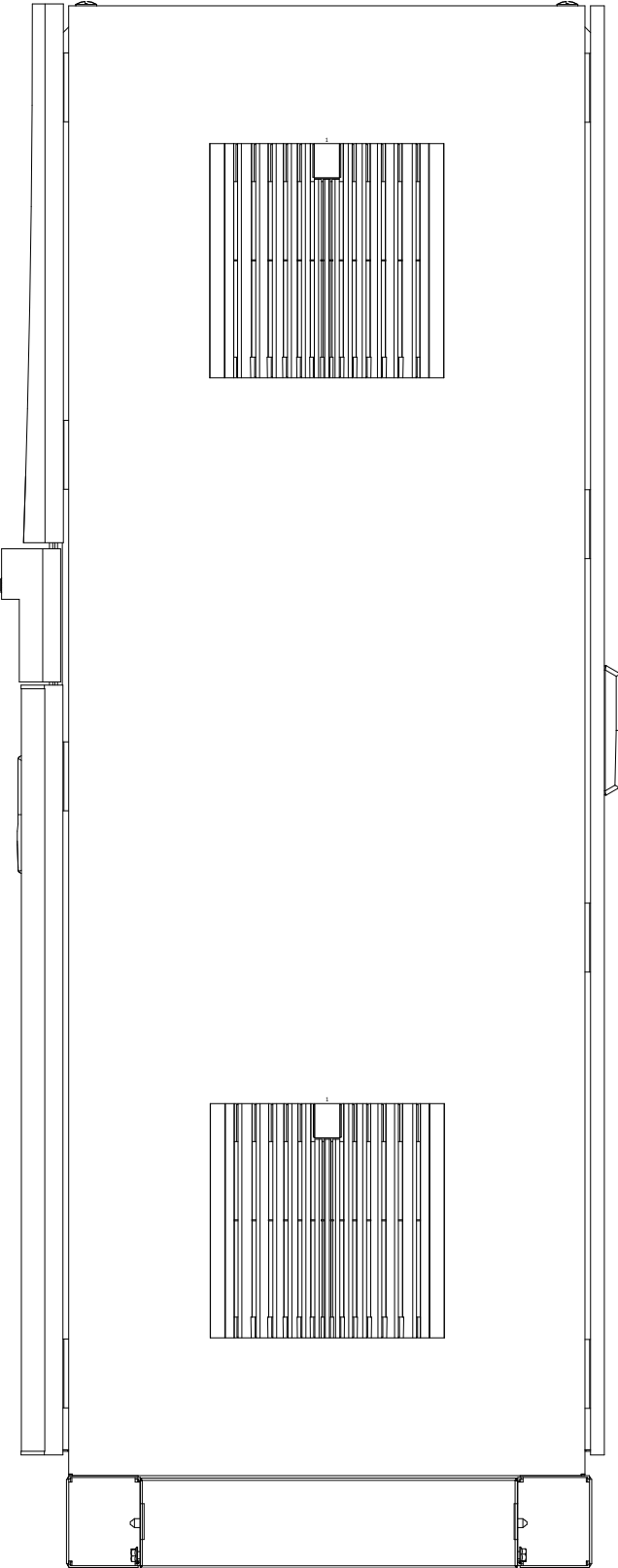
FRONT VIEW



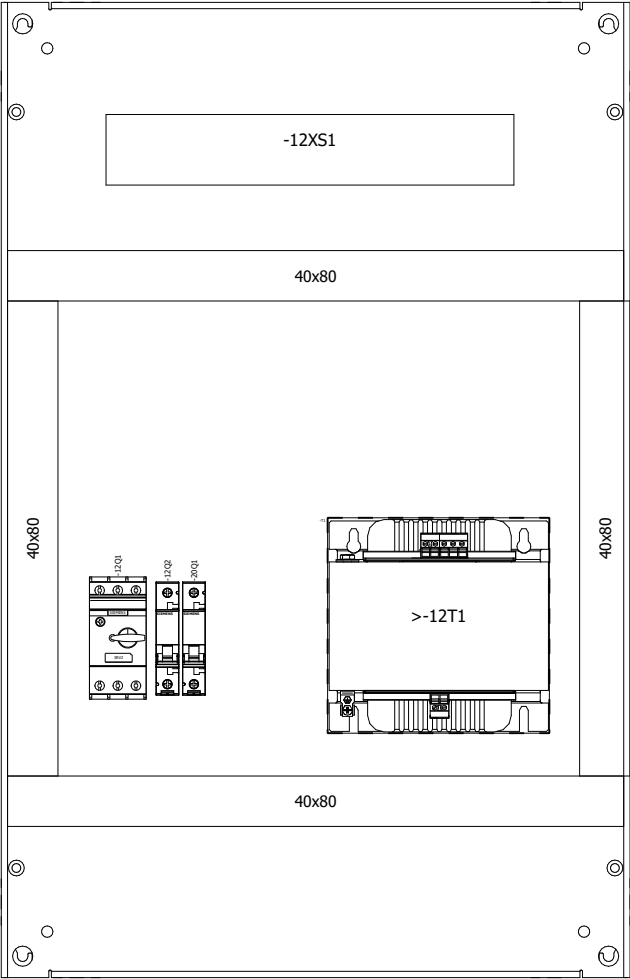
REAR VIEW



SIDE VIEW




C09



Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-XC09	2	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XC09	1	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-26G1	1	UPS + Battery	SRV1KIL-E	Schneider Electric	SE.SRV1KIL-E
-26G1	1	Management board	AP9544	Schneider Electric	SE.AP9544
-12Q1	1	Motor overload switch	3RV2411-1KA10	Siemens	SIE.3RV2411-1KA10
-12Q2	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-12T1	1	Transformer	TM215S230	Elca	ELC.TM215S230
-XUPS	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XUPS	2	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-12XS1	1	Socket	01293.NC.B	VIMAR	VIM.01293NCB
-20M1	1	Fan	SK.3241700	Rittal	RIT.3241700
-20M1	1	Filter	SK.3240300	Rittal	RIT.3240300
-20Q1	1	Circui breaker	5SY6102-7	Siemens	SIE.5SY6102-7
-50U1	1	PC Desktop	ThinkCentre Neo 50s	LENOVO	LEN.ThinkCentre Neo 50s
-50U1	1	WinCC Unified PC ES 10k V20	6AV2153-2FB02-4AA5	Siemens	SIE.6AV2153-2FB02-4AA5
-50U1	1	SIMATIC STEP 7 Prof. V20	6ES7822-1AA24-0YA5	Siemens	SIE.6ES7822-1AA24-0YA5
-50U1	1	STEP 7 SAFETY ADVANCED V20	6ES7833-1FA24-0YA5	Siemens	SIE.6ES7833-1FA24-0YA5
-50U1	1	USB-LAN	DUB-E100	D-LINK	DL.DUB-E100
-50U2	1	Monitor	ThinkVision T24d-30	LENOVO	LEN.ThinkVision T24d-30
-50U3	1	NAS	WDBVBZ0080JCH-EESN	WesternDigital	WD.WDBVBZ0080JCH-EESN
-90A1	1	Switch	DGS-1026MP	D-LINK	DL.DGS-1026MP
-390M1	1	PC enclosure system	PC.5366050	Rittal	RIT.5366050
-390M1	1	Base element	VX.8660002	Rittal	RIT.8660002
-390M1	1	Base element	VX.8660033	Rittal	RIT.8660033
-390M1	1	Plate	VX.8617550	Rittal	RIT.8617550
-390M1	1	Shelf	IW.6902960	Rittal	RIT.6902960
-12T1	1	Transformer	ABL6TS160U	Schneider Electric	SE.ABL6TS160U

Date	13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	COVER	+ P01 60-04-78A		+C09&DIST/500
Ed.	UTE							
Rev	08/08/2025	08/08/2025				1		
Rev	1	=> 1				2		
						r43.51	00-2400000	

WIRES COLOR TABLE









 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

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Assignment	Page	Page description	Revision	Edited by
+P01		MAIN CONTROL DESK		
	1	COVER	1	UTE
	2	WIRES COLOR TABLE	1	UTE
	4	Table of contents	1	UTE
	4.a	Table of contents	1	UTE
	4.b	Table of contents	1	UTE
	10	Supply Line	1	UTE
	12	Power supply 230Vac	1	UTE
	15	Distribution 24Vdc	1	UTE
	16		1	UTE
	50	Monitor	1	UTE
	190	Switch	1	UTE
	191	Switch	1	UTE
	195	CPU - Industrial PC	1	UTE
	196	CPU - Industrial PC	1	UTE
	200	PLC	1	UTE
	210	Digital safety input	1	UTE
	240	Digital inputs	1	UTE
	241	Digital inputs	1	UTE
	242	Digital inputs	1	UTE
	243	Digital inputs	1	UTE
	244	Digital inputs	1	UTE
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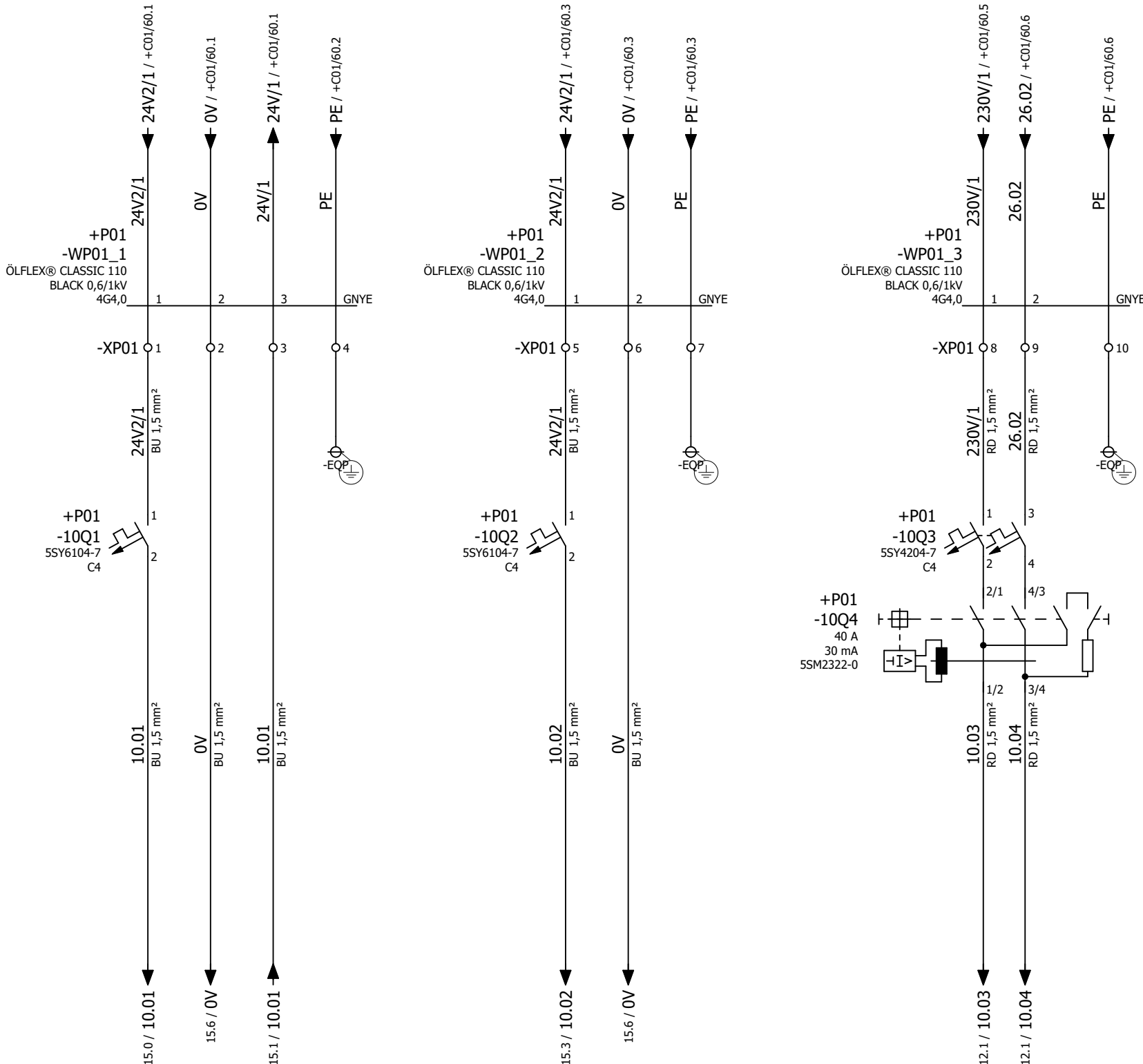
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Table of contents																					
Assignment				Page		Page description								Revision		Edited by					
+P01				MAIN CONTROL DESK																	
				270		Digital outputs								1		UTE					
				271		Digital outputs								1		UTE					
				272		Digital outputs								1		UTE					
				273		Digital outputs								1		UTE					
				274		Digital outputs								1		UTE					
				275		Digital outputs								1		UTE					
				290		Analog output								1		UTE					
				300		Light tower								1		UTE					
				380		Terminal strip								1		UTE					
				390		External layout								1		UTE					
				391		External layout								1		UTE					
				393		Internal layout								1		UTE					
				400		Terminal diagram =+P01-X24V								1		UTE					
				401		Terminal diagram =+P01-XAO								1		UTE					
				402		Terminal diagram =+P01-XEXT								1		UTE					
				403		Terminal diagram =+P01-XP01								1		UTE					
				404		Terminal diagram =+P01-XP06								1		UTE					
				405		Terminal diagram =+P01-XTW								1		UTE					
				450		Plug diagram =+P01-XC1_1								1		UTE					
				451		Plug diagram =+P01-XC1_1								1		UTE					
				452		Plug diagram =+P01-XC1_2								1		UTE					
				453		Plug diagram =+P01-XC1_2								1		UTE					
				454		Plug diagram =+P01-XC1_3								1		UTE					
				455		Plug diagram =+P01-XC1_3								1		UTE					
500		Parts list								1		UTE									
500.a		Parts list								1		UTE									
500.b		Parts list								1		UTE									
500.c		Parts list								1		UTE									
ate		13/06/2025		<div></div> <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>				CONTINUOUS CASTER				Table of contents				+ P01 60-04-78A		4			
i.		UTE																4.			
ev		08/08/2025 08/08/2025														r43.51		00-2400000		4	
ev		1 => 1																		4	

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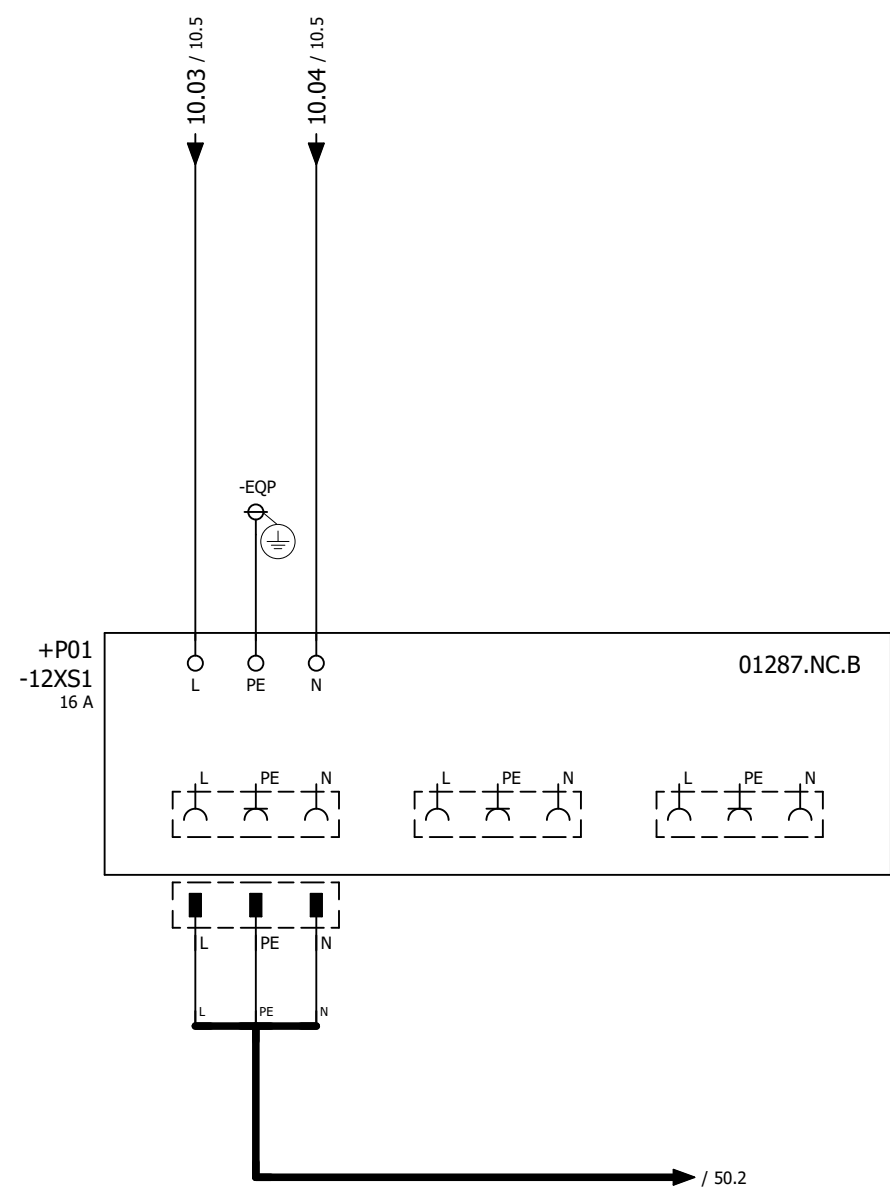
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	500.e	Parts list	1	UTE
	500.f	Parts list	1	UTE
	500.g	Parts list	1	UTE

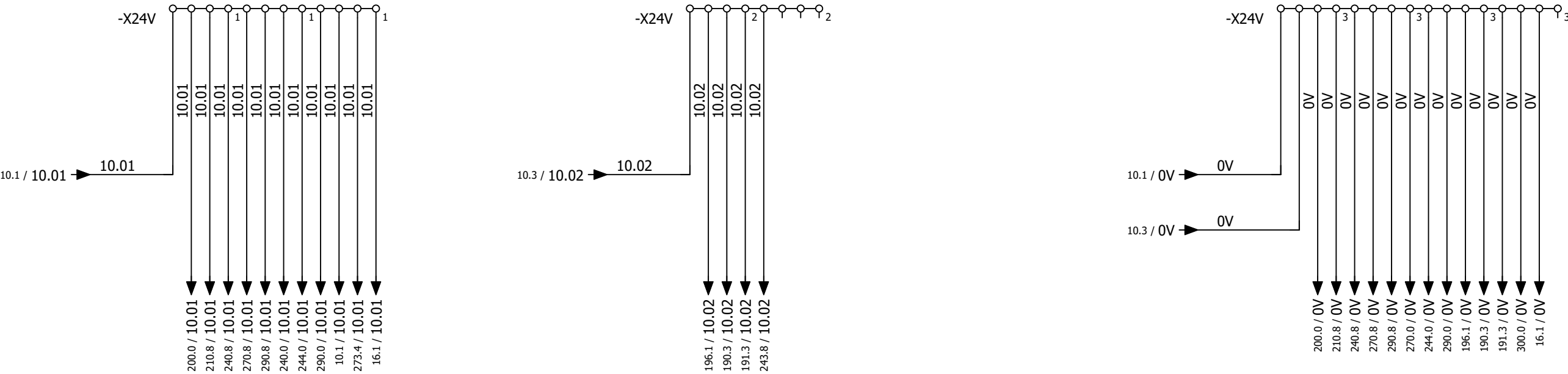


POWER SUPPLY 24VDC PLC
P01

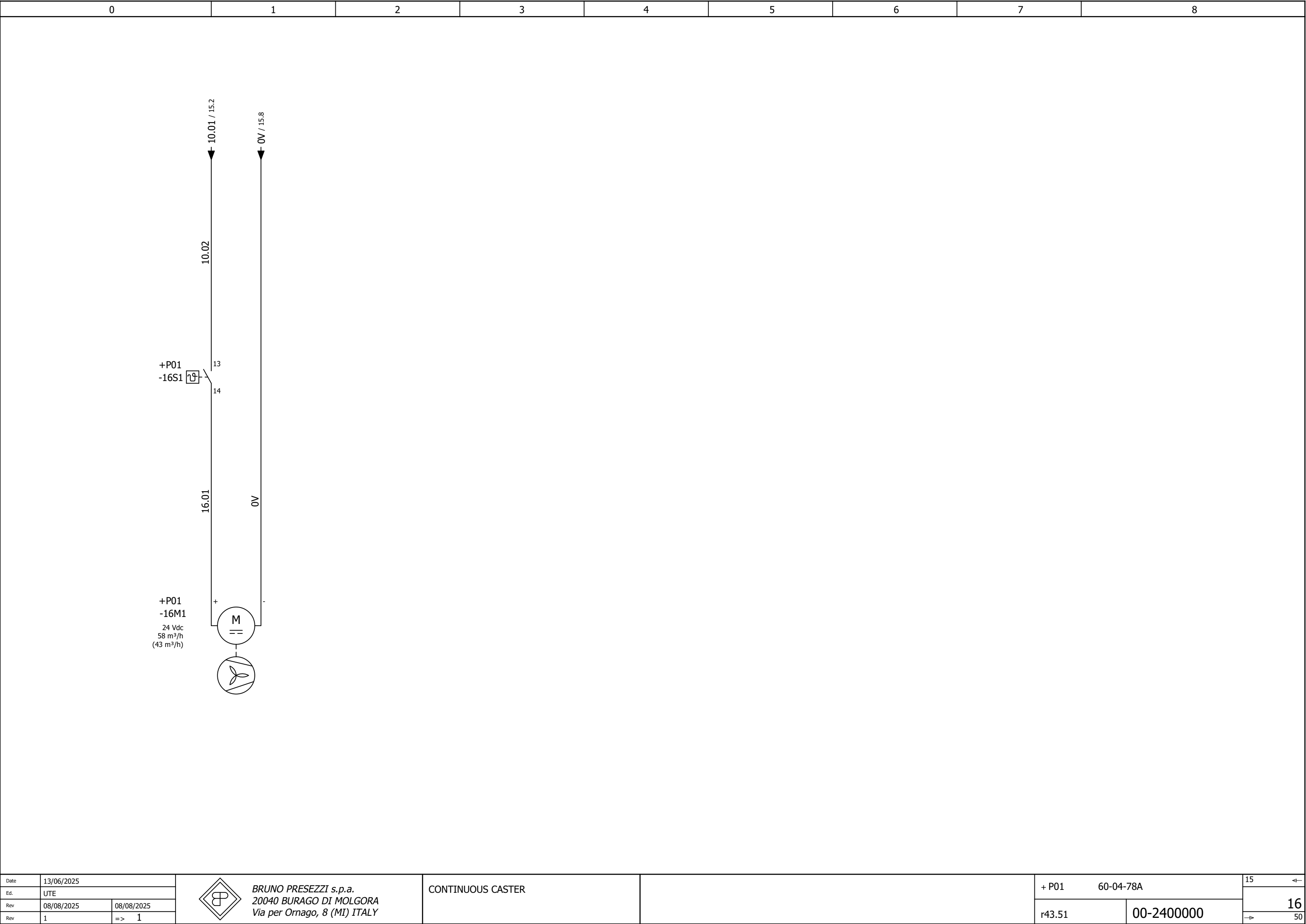
POWER SUPPLY 24Vdc
PC-BOX

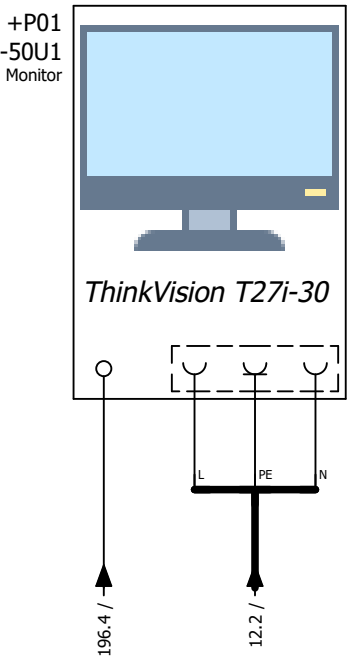
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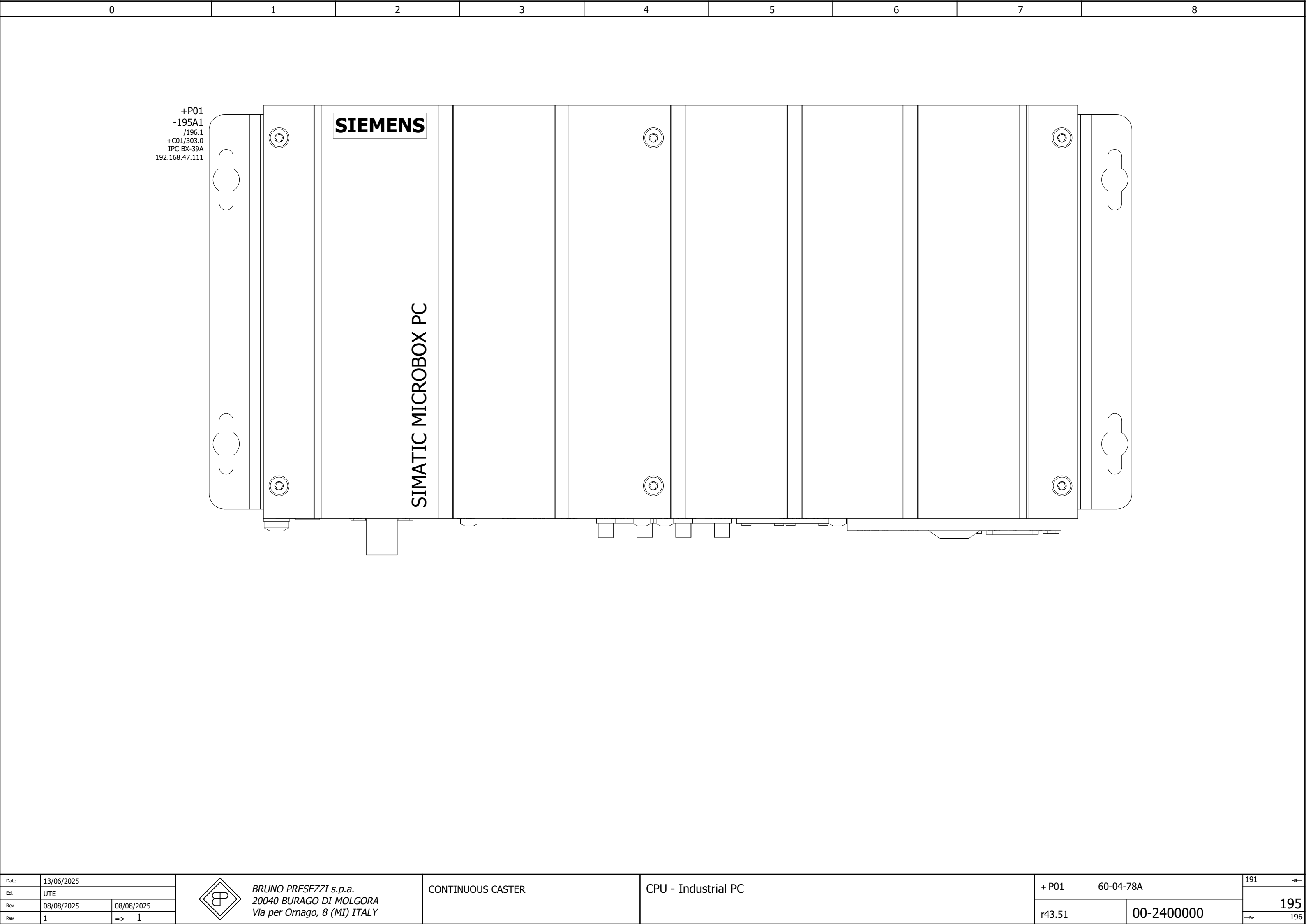


DISTRIBUTION 24Vdc P01






MONITOR

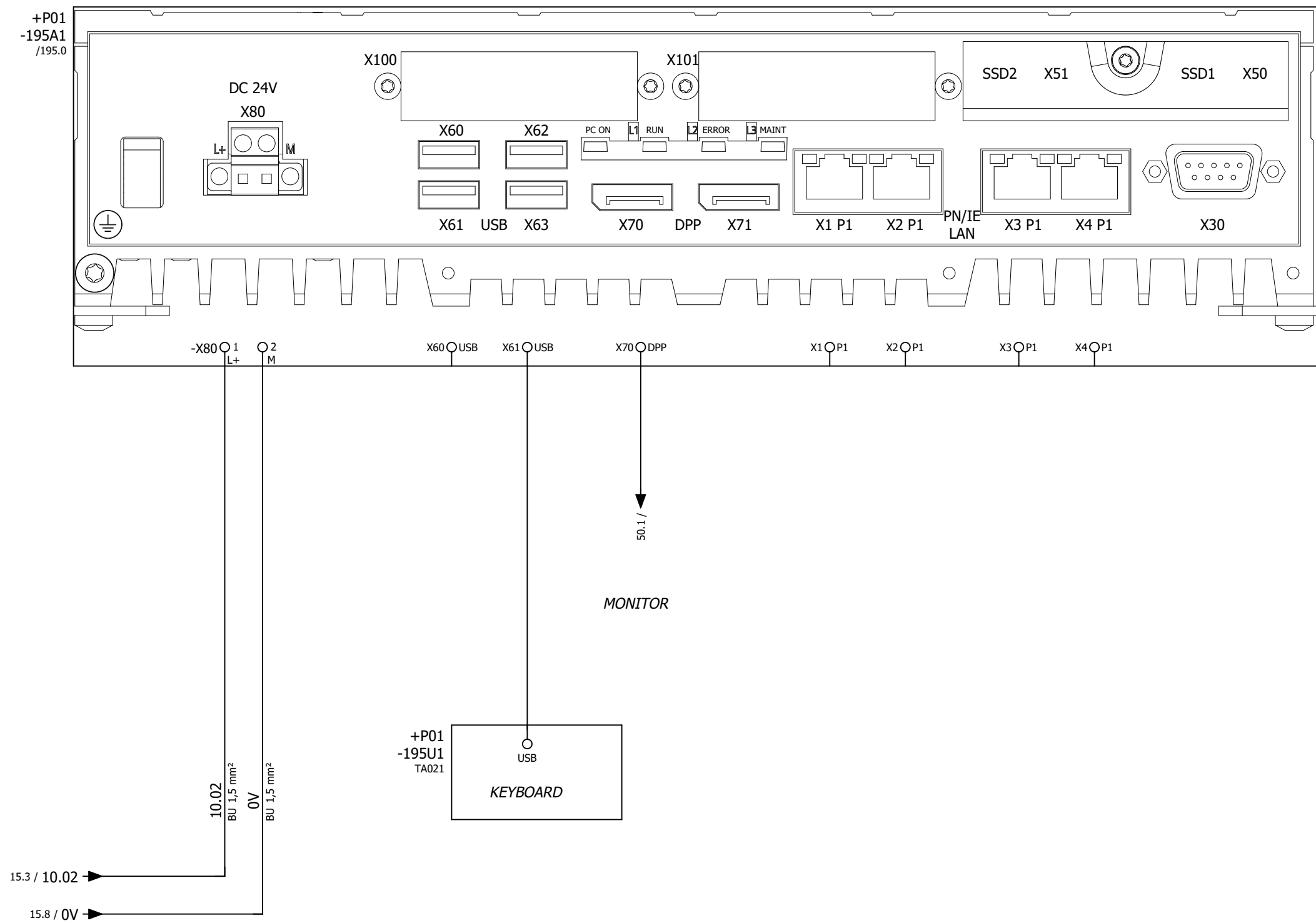


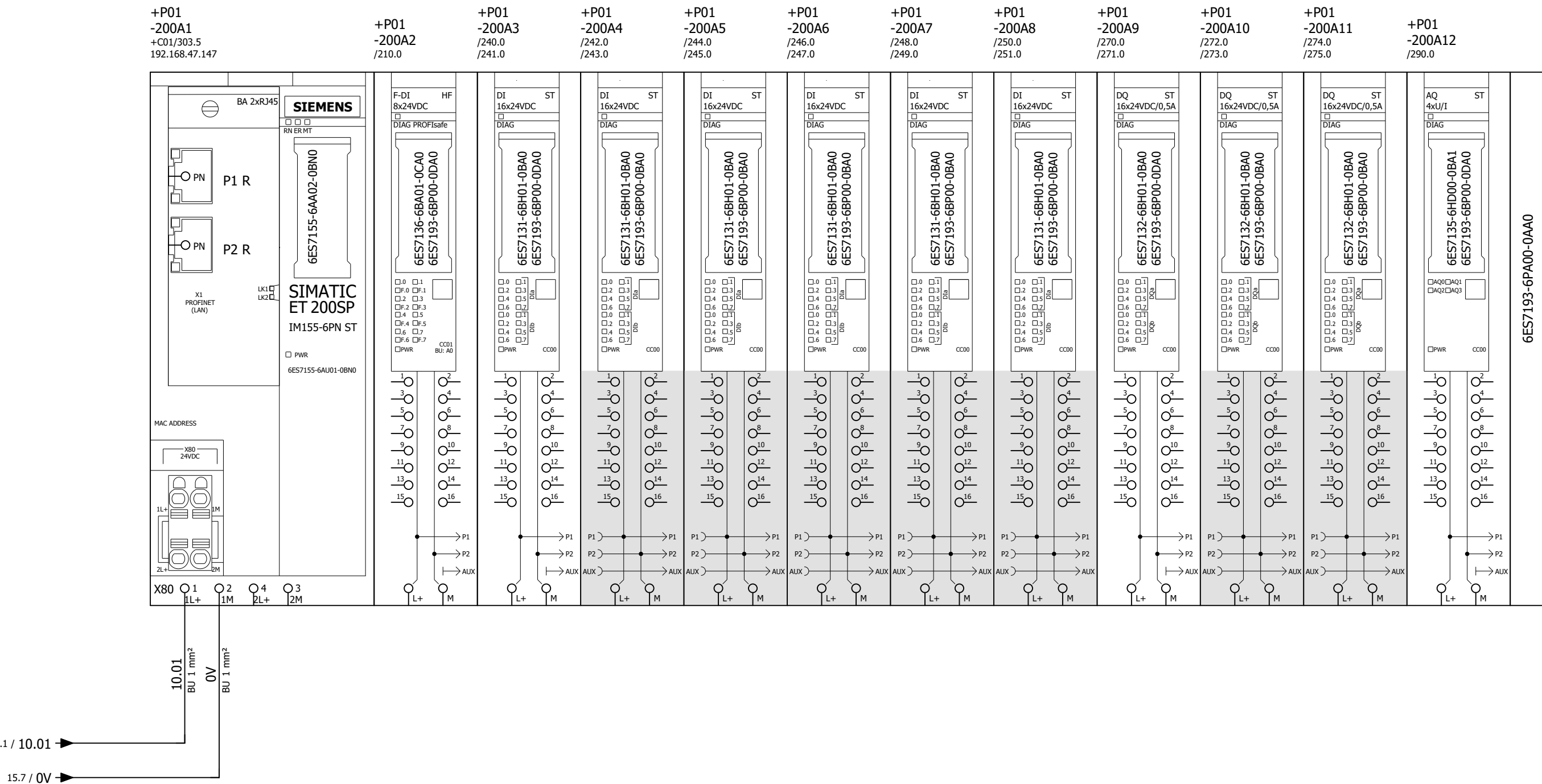
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+C01/303.0
IPC BX-39A
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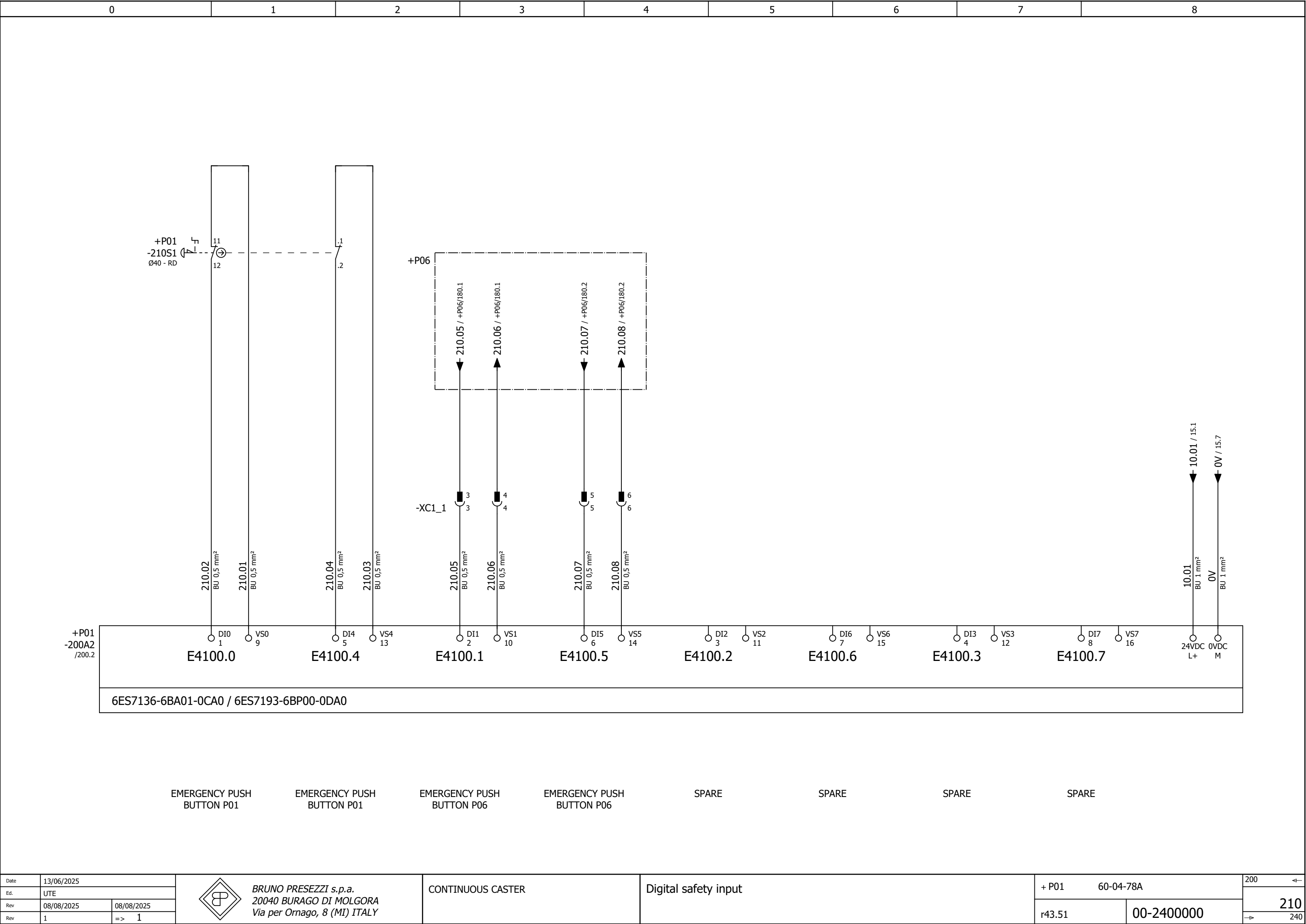
SIEMENS

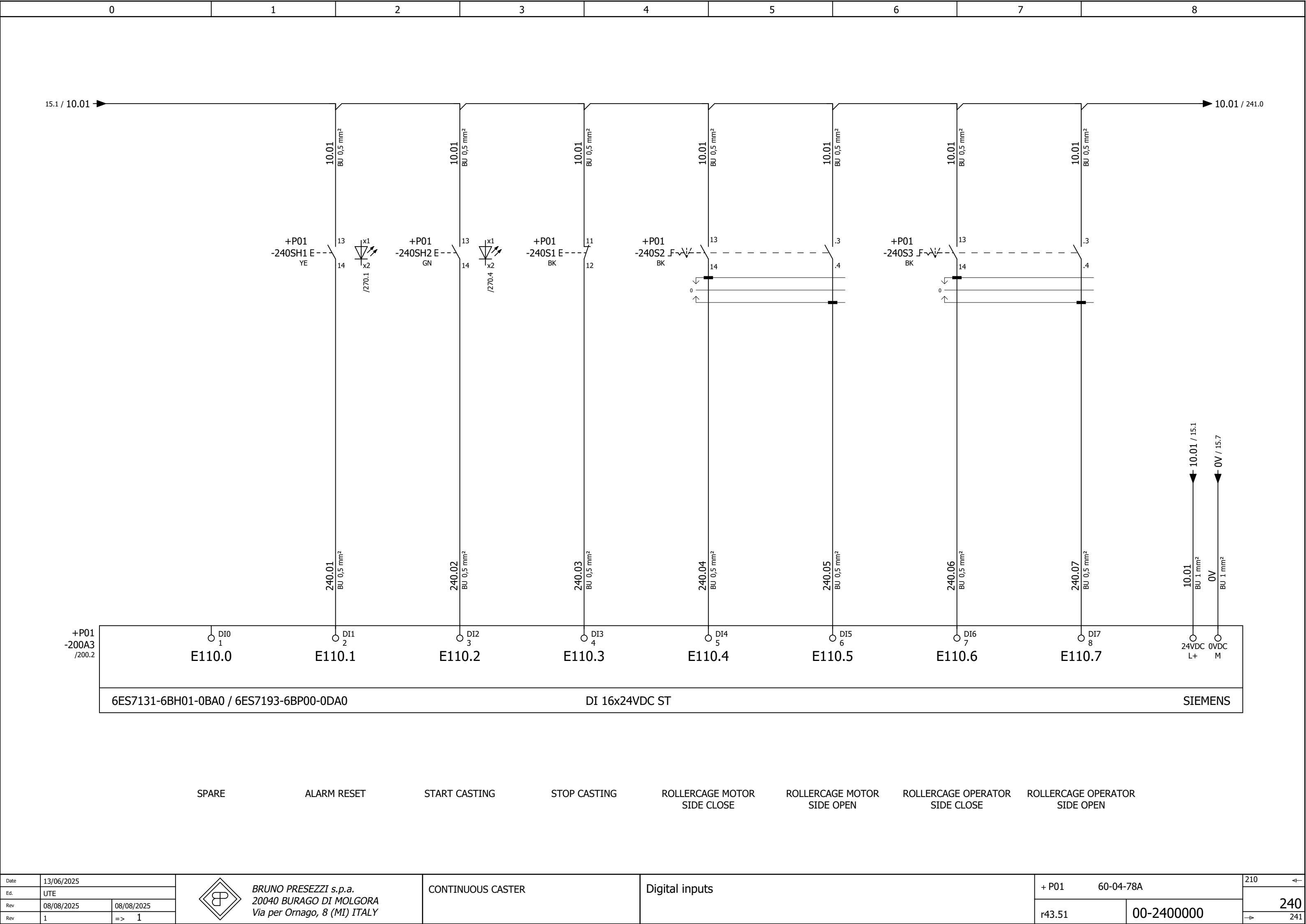
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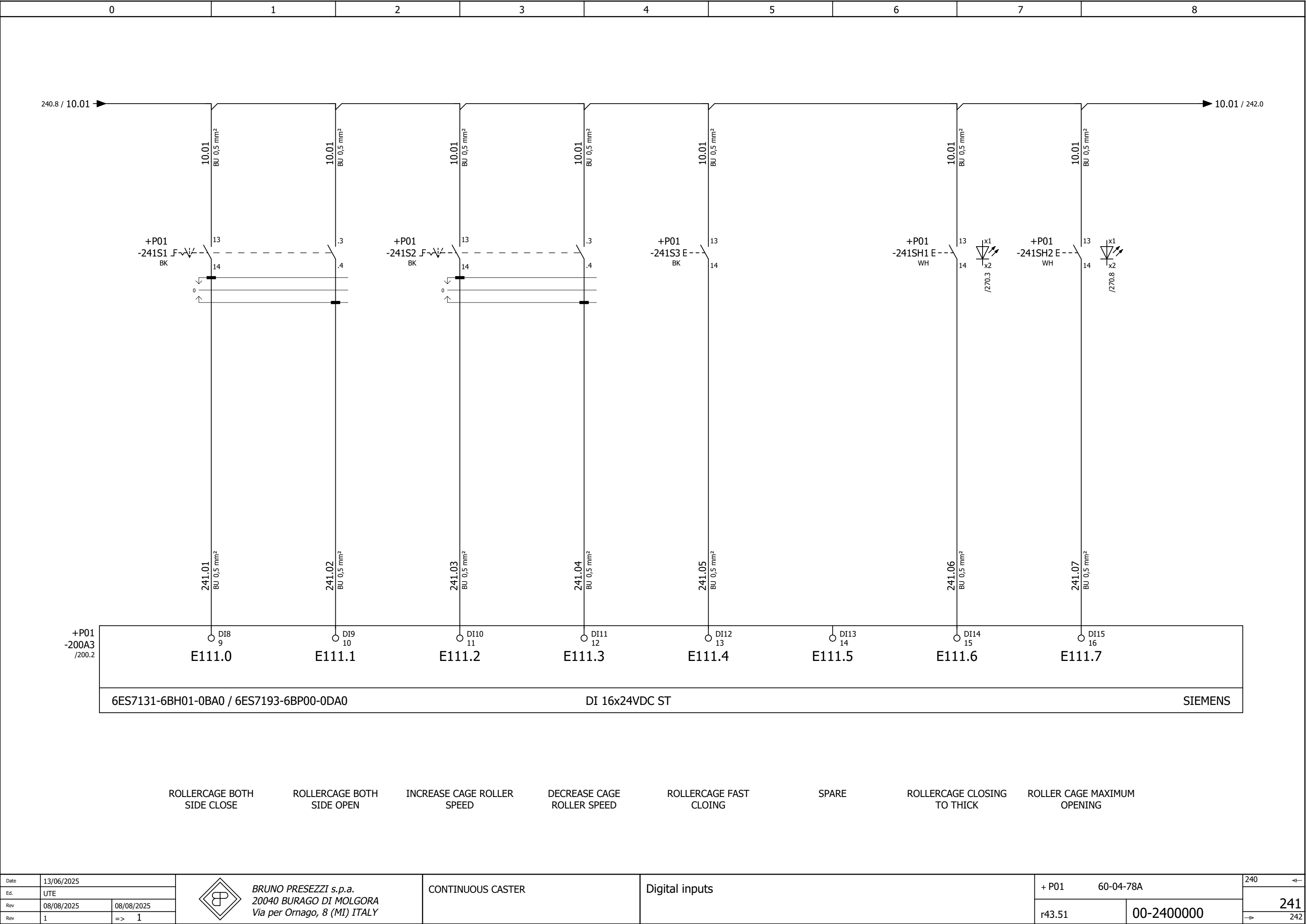
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Ed.	UTE										
Rev	08/08/2025	08/08/2025								195	
Rev	1	=> 1				r43.51	00-2400000			→	196











10.01

BU 0,5 mm²

13

14

0

0

+P01

-241SH2

WH

E

13

14

241.05

BU 0,5 mm²

DI12

13

10.01

BU 0,5 mm²

13

14

0

0

+P01

-241SH1

WH

E

13

14

241.06

BU 0,5 mm²

DI13

14

10.01

BU 0,5 mm²

13

14

0

0

+P01

-241SH2

WH

E

13

14

241.07

BU 0,5 mm²

DI14

15

10.01

BU 0,5 mm²

13

14

0

0

+P01

-241SH1

WH

E

13

14

241.08

BU 0,5 mm²

DI15

16

+P01

-200A3

/200.2

E111.0

E111.1

E111.2

E111.3

E111.4

E111.5

E111.6

E111.7

6ES7131-6BH01-0BA0 / 6ES7193-6BP00-0DA0

DI 16x24VDC ST

SIEMENS

ROLLERCAGE BOTH
SIDE CLOSE

ROLLERCAGE BOTH
SIDE OPEN

INCREASE CAGE ROLLER
SPEED

DECREASE CAGE
ROLLER SPEED

ROLLERCAGE FAST
CLOING

SPARE

ROLLERCAGE CLOSING
TO THICK

ROLLER CAGE MAXIMUM
OPENING

Date

13/06/2025

Ed.

UTE

Rev

08/08/2025

08/08/2025

Rev

1

=> 1

BRUNO PRESEZZI s.p.a.

20040 BURAGO DI MOLGORA

Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ P01

60-04-78A

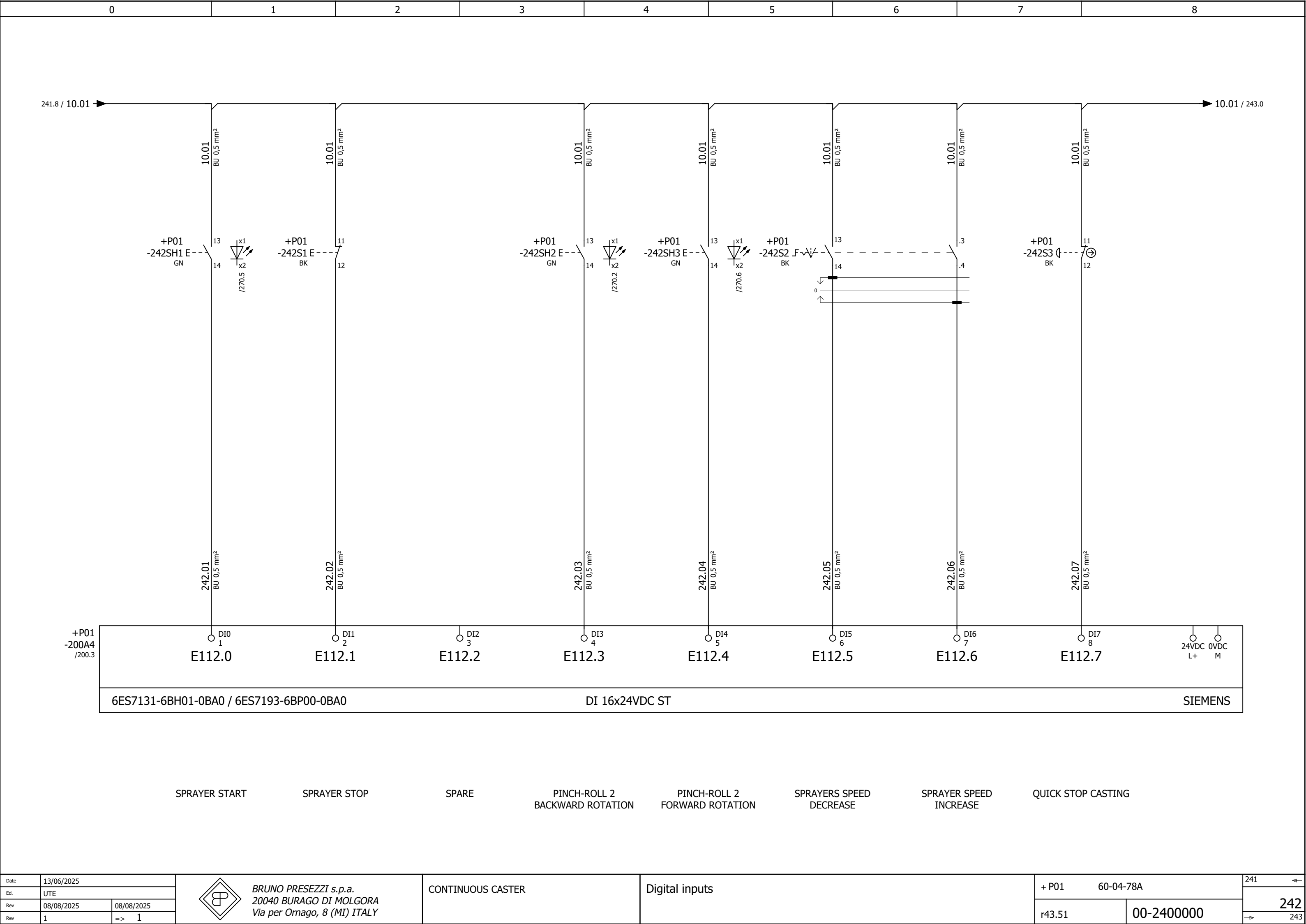
r43.51

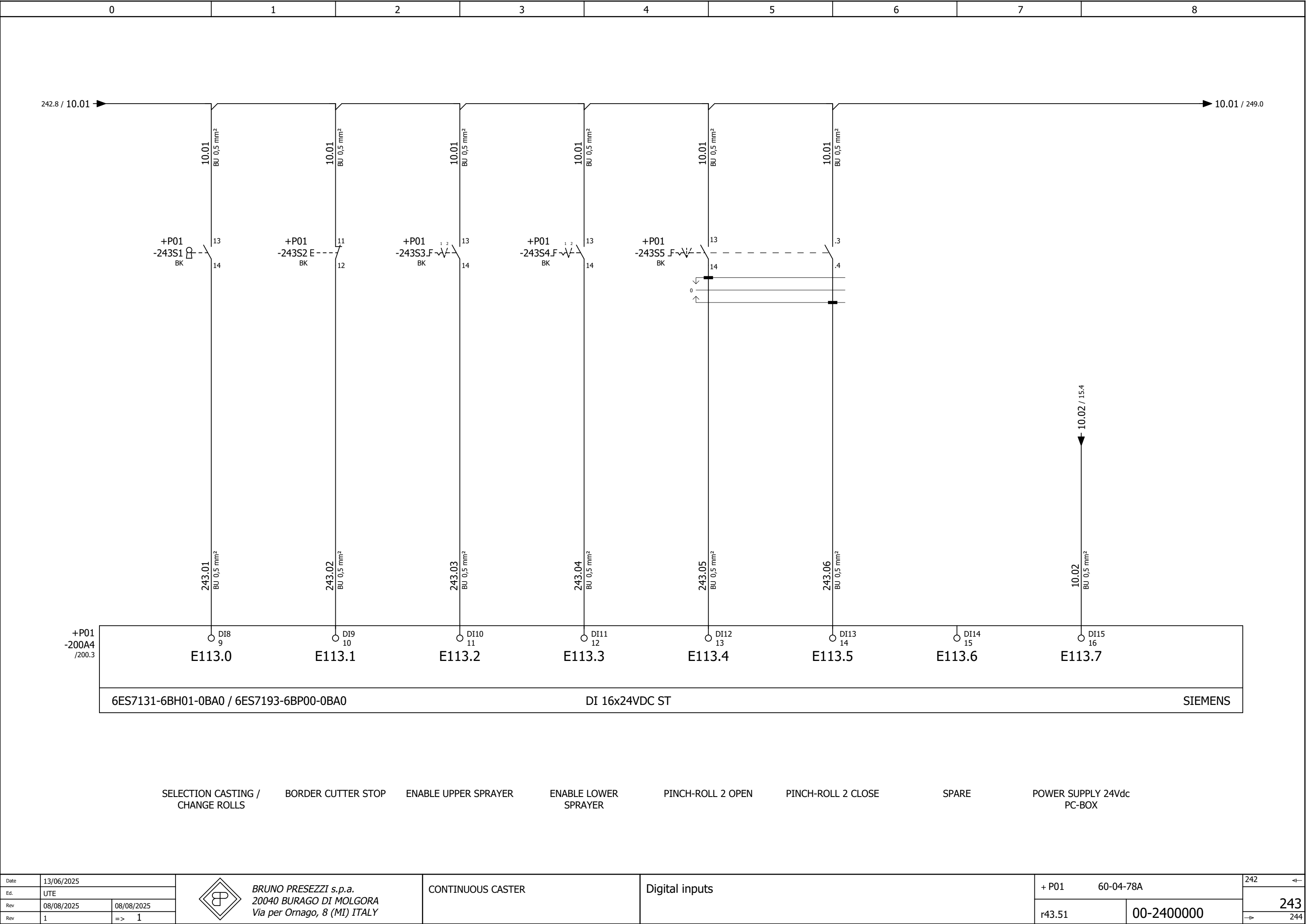
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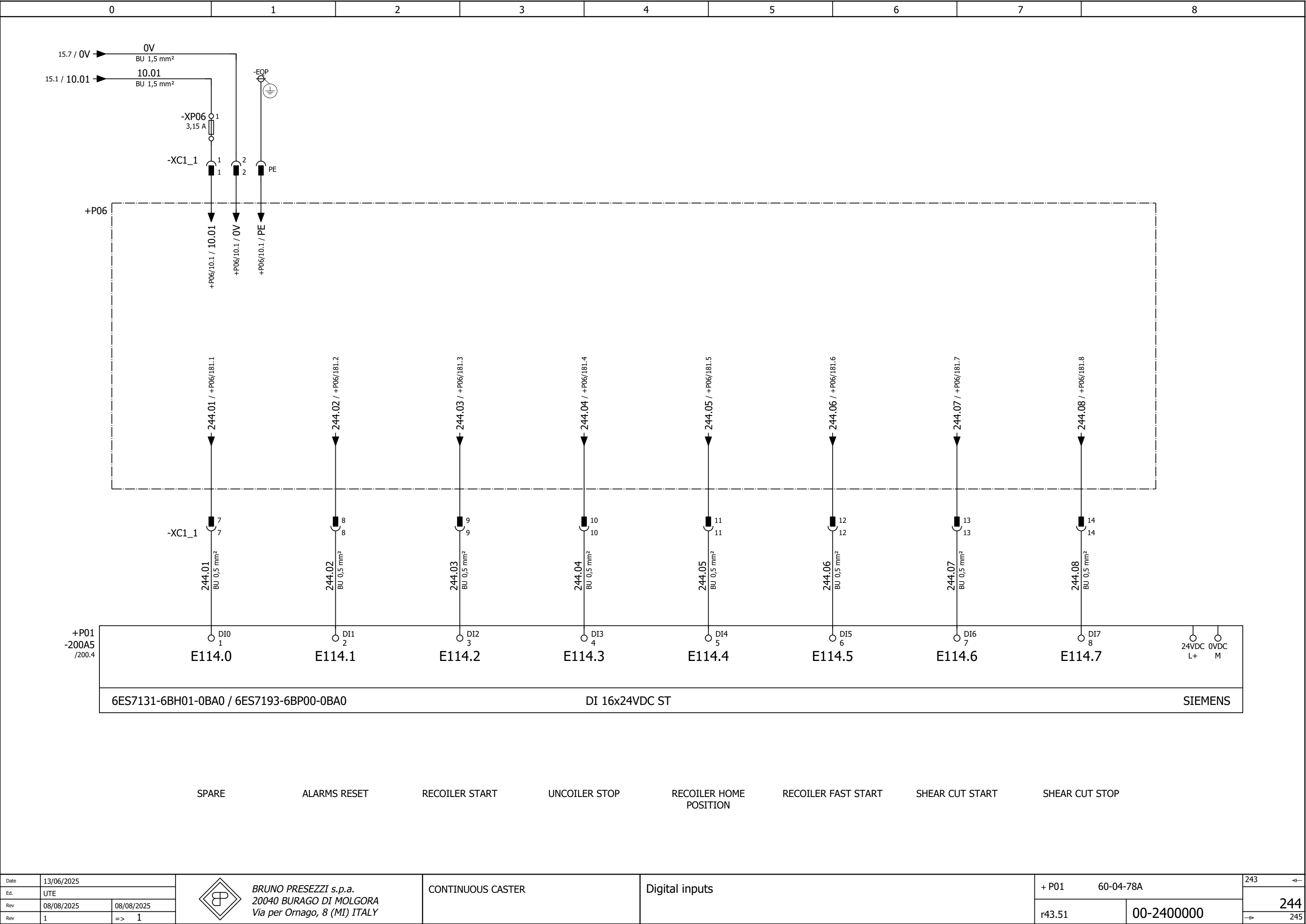
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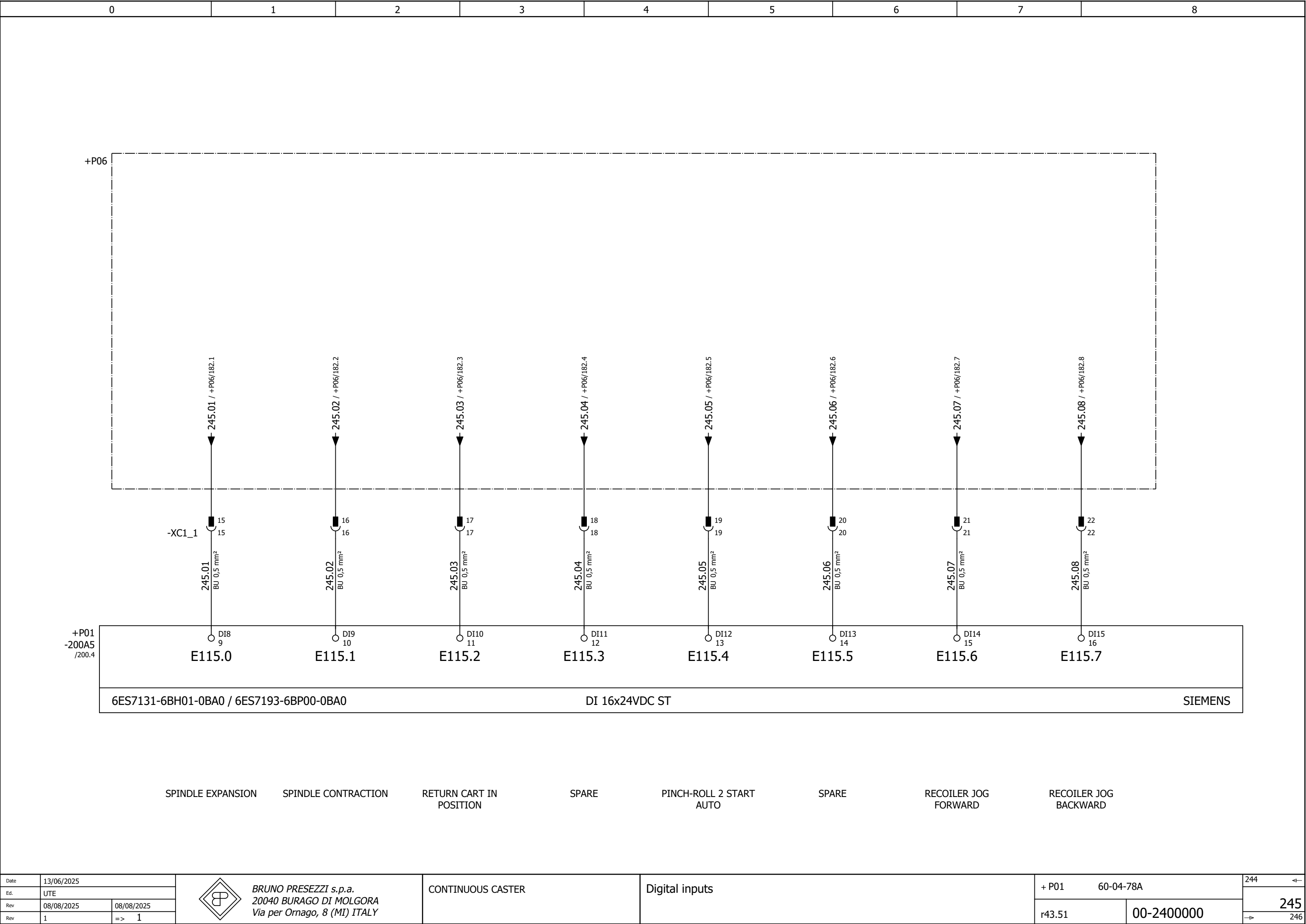
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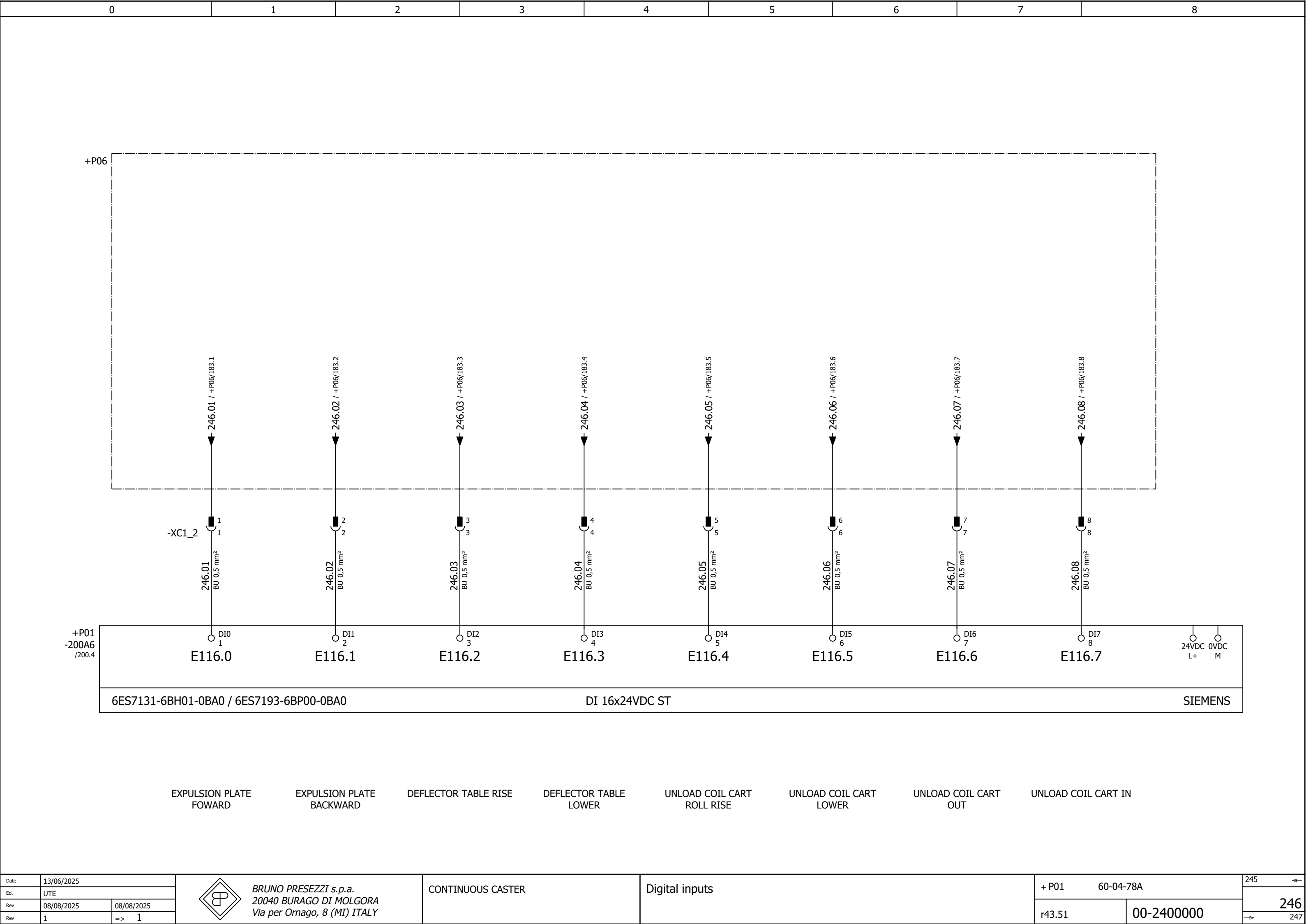
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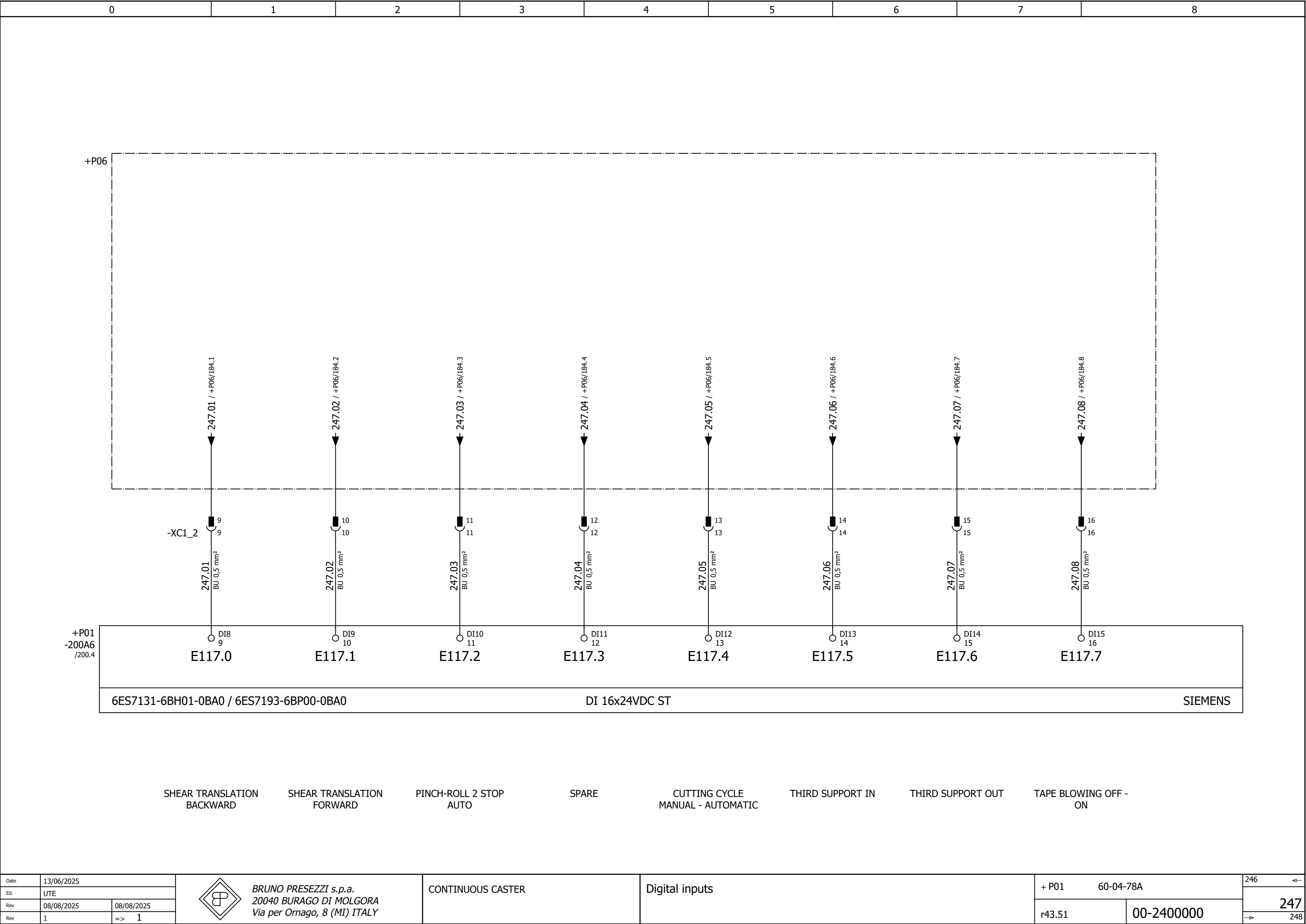


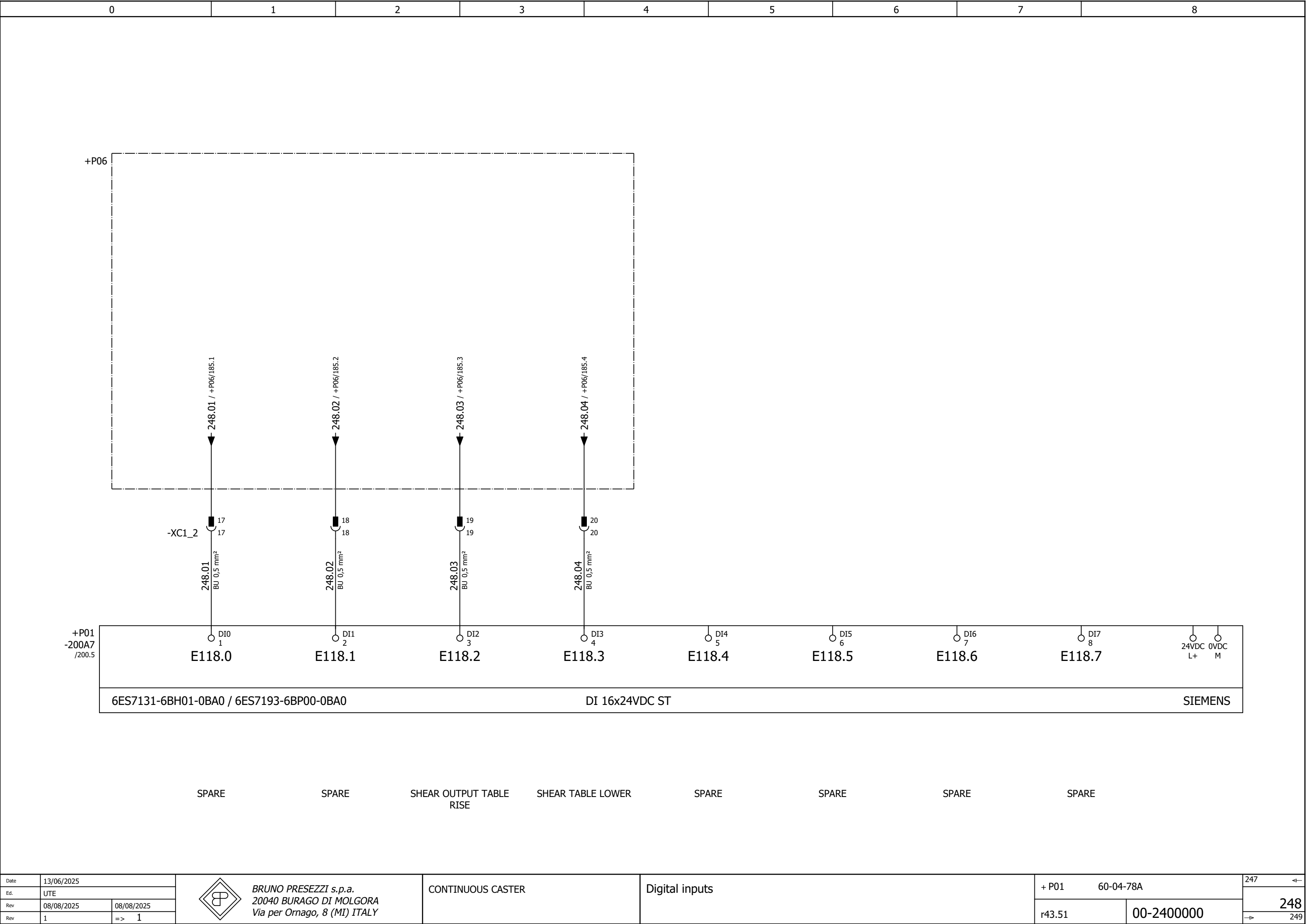


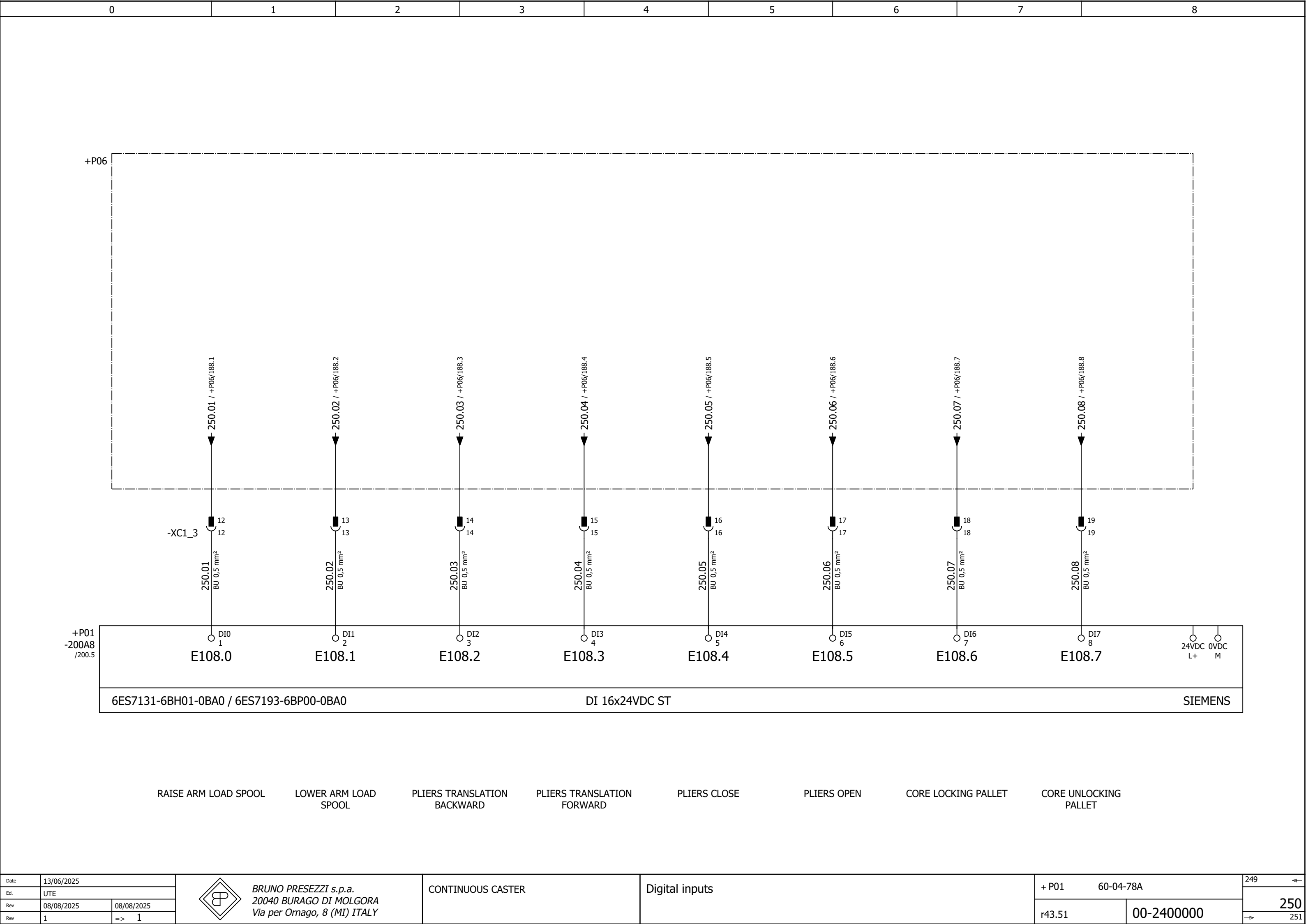


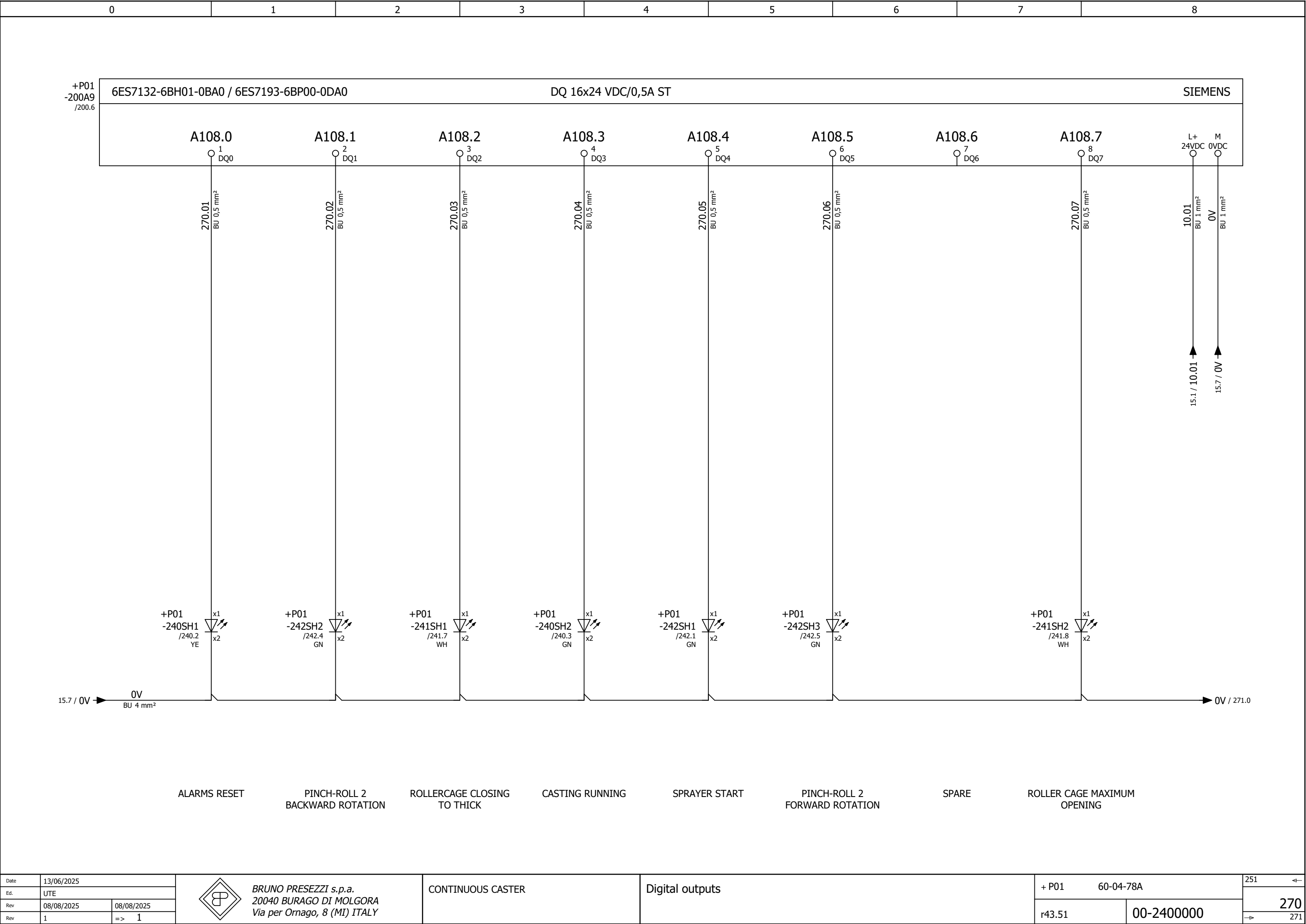


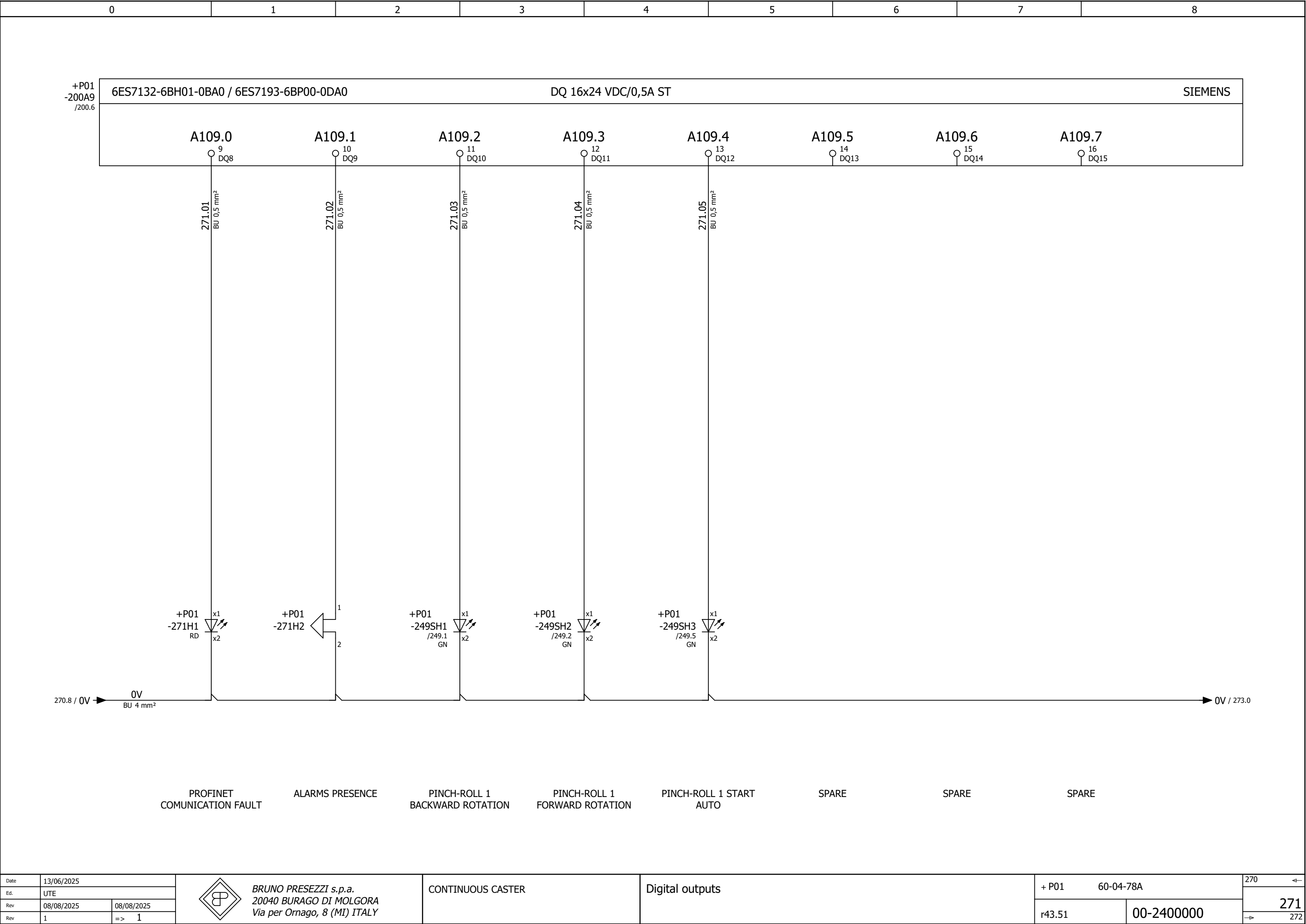
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Ed.	UTE					r43.51	00-2400000	246
Rev	08/08/2025	08/08/2025						247
Rev	1	=> 1						

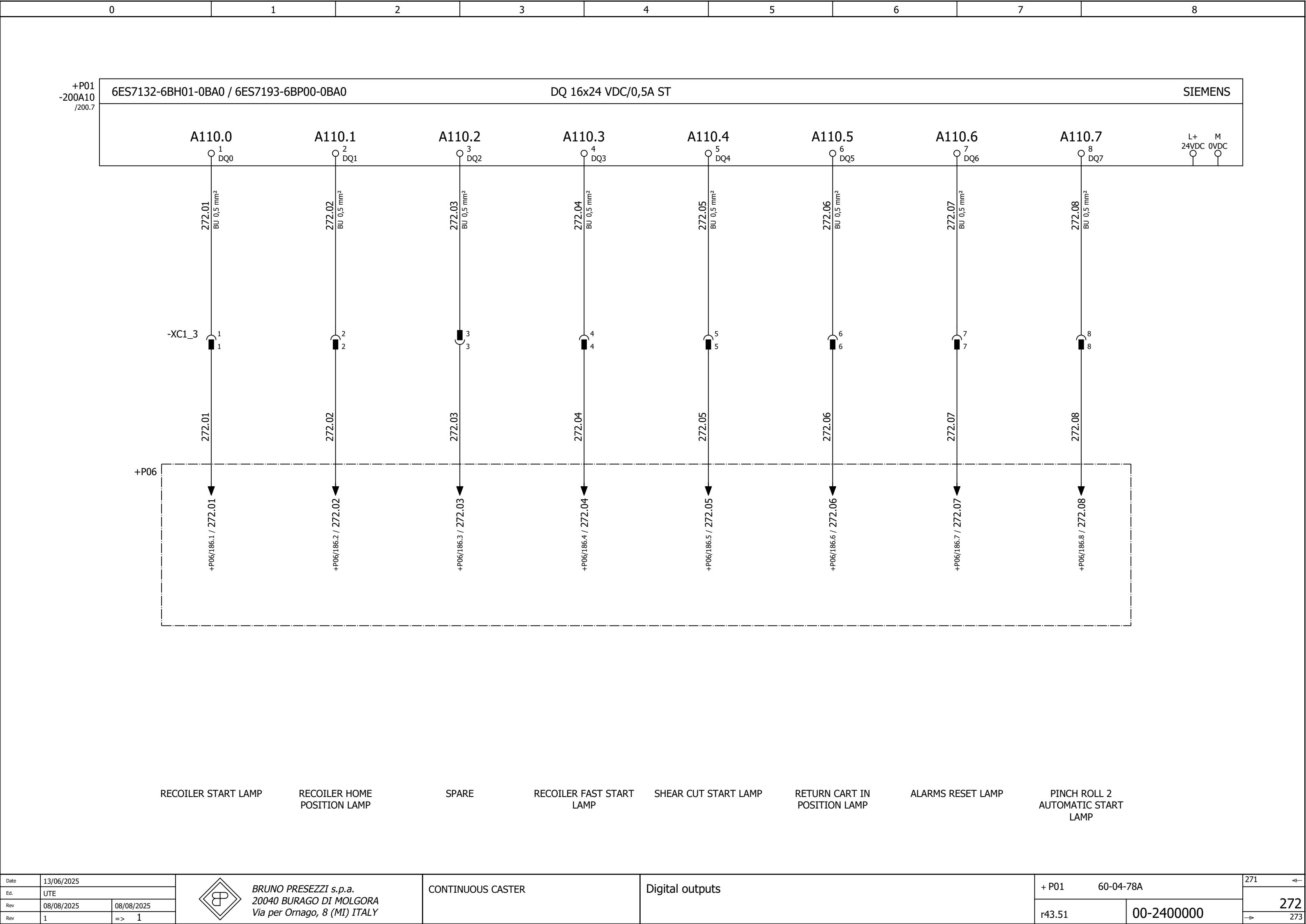


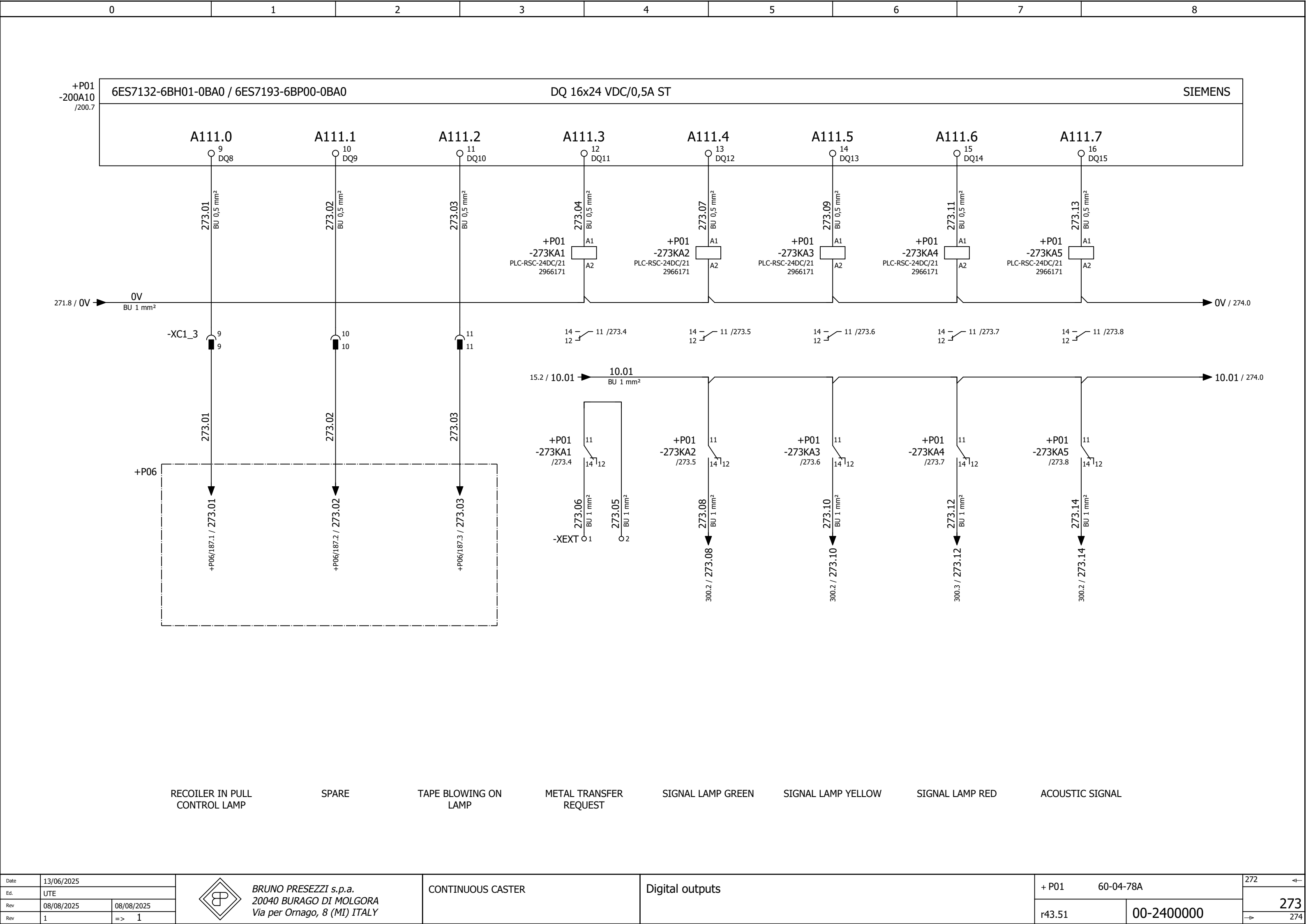


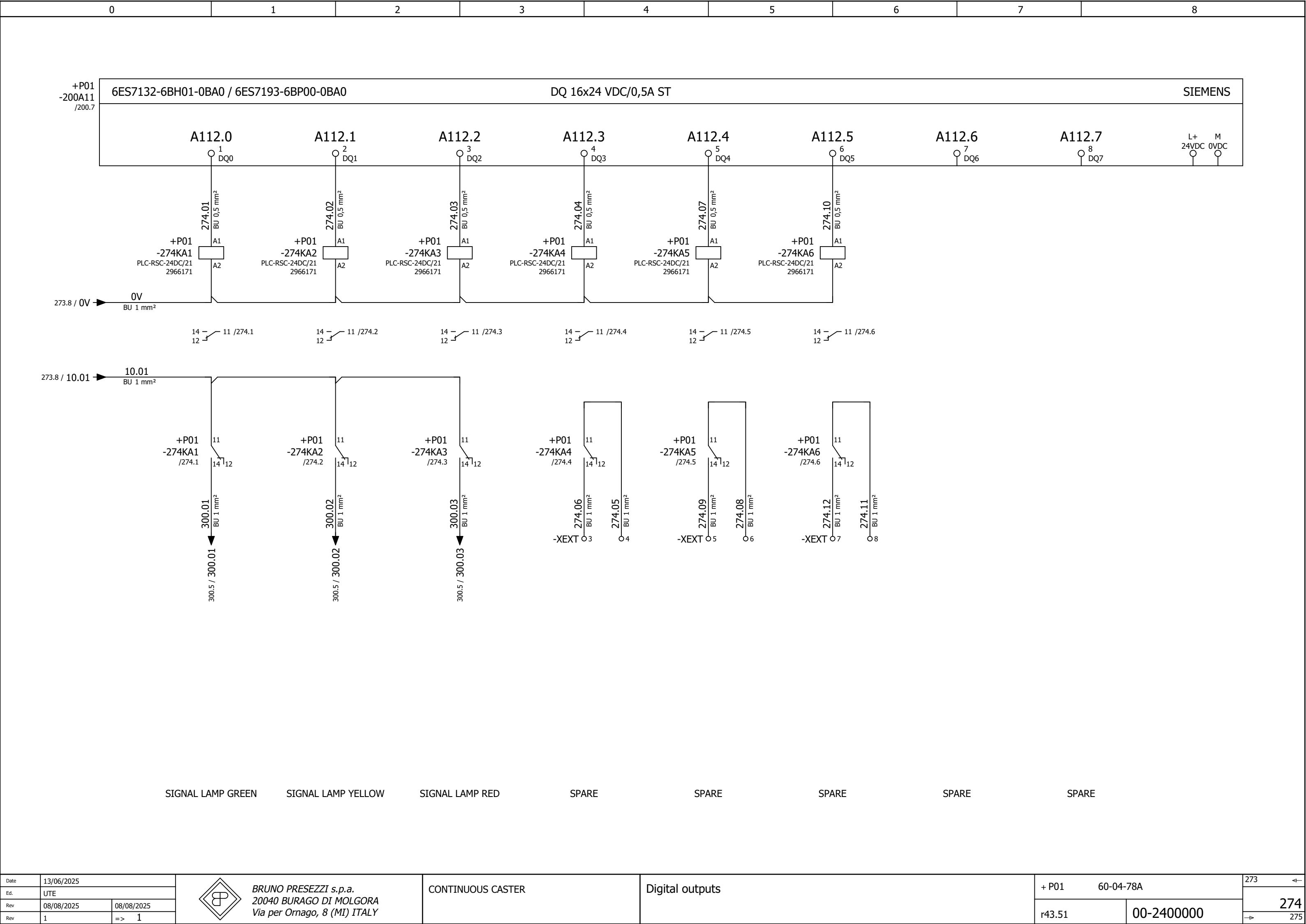






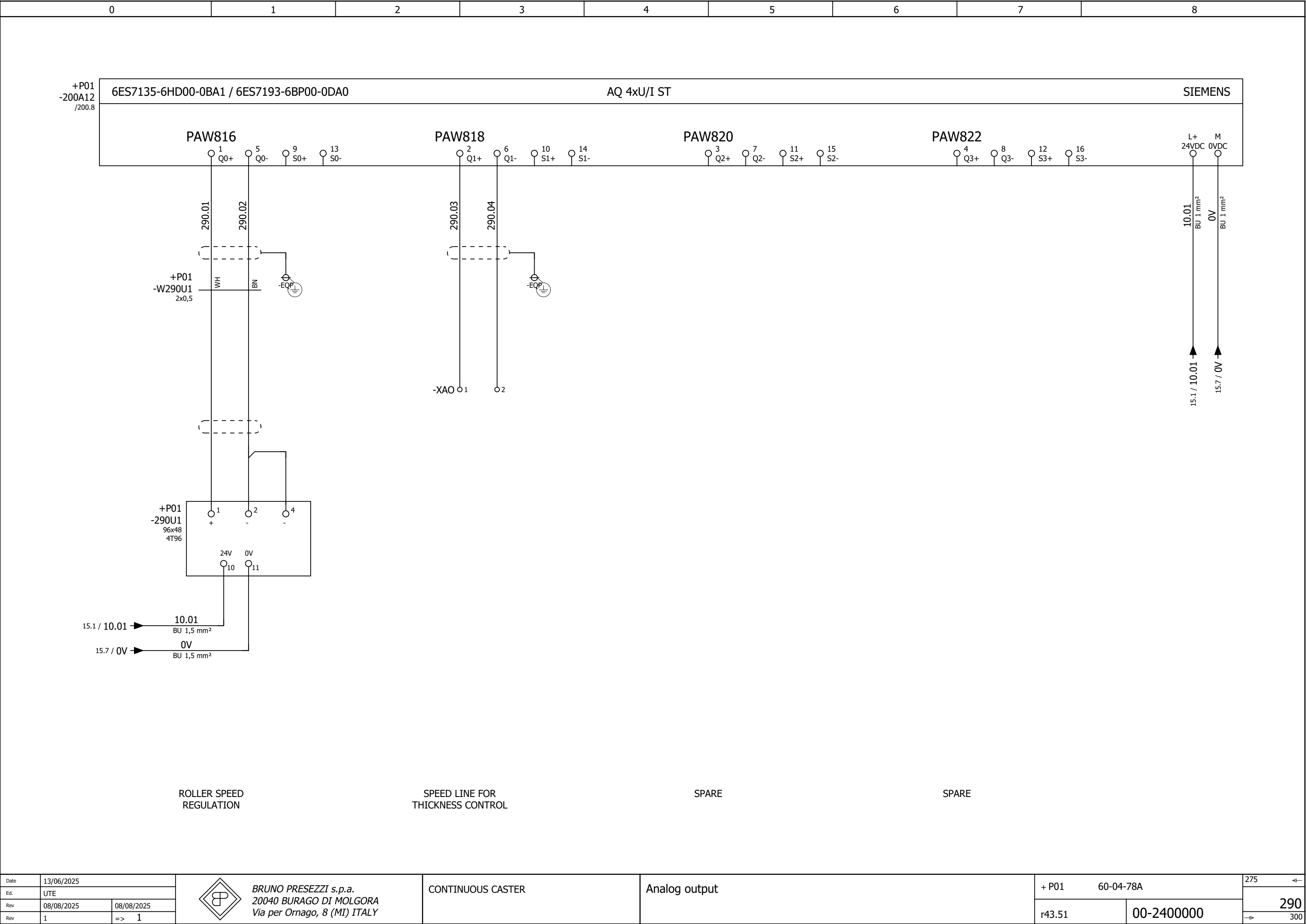


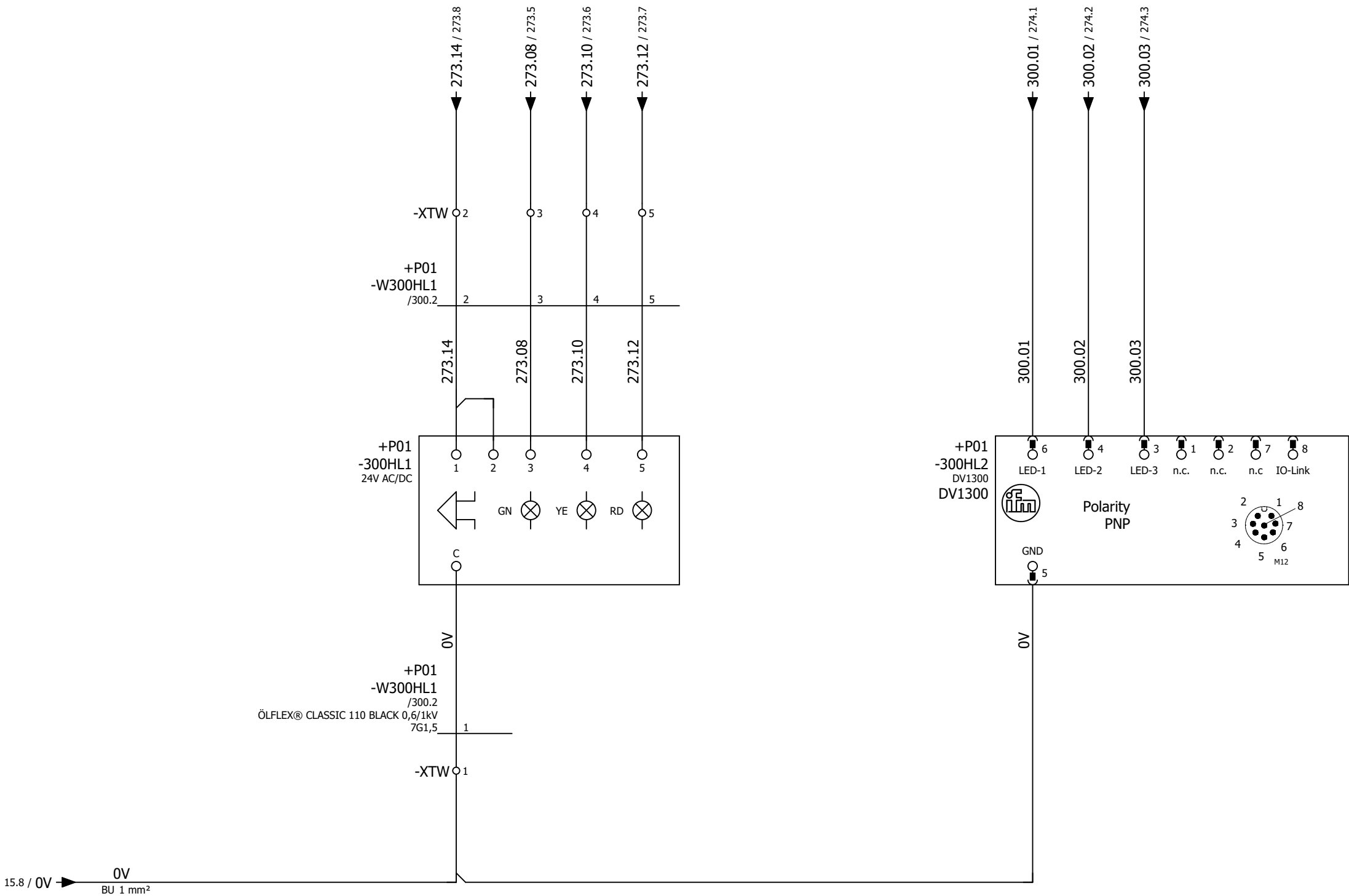





0		1		2		3		4		5		6		7		8																													
+P01 -200A11 /200.7	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0															DQ 16x24 VDC/0,5A ST															SIEMENS														
	A113.0 <div><div></div><div>9</div><div>DQ8</div></div>					A113.1 <div><div></div><div>10</div><div>DQ9</div></div>					A113.2 <div><div></div><div>11</div><div>DQ10</div></div>					A113.3 <div><div></div><div>12</div><div>DQ11</div></div>					A113.4 <div><div></div><div>13</div><div>DQ12</div></div>					A113.5 <div><div></div><div>14</div><div>DQ13</div></div>					A113.6 <div><div></div><div>15</div><div>DQ14</div></div>					A113.7 <div><div></div><div>16</div><div>DQ15</div></div>									
SPARE					SPARE					SPARE					SPARE					SPARE					SPARE					SPARE															

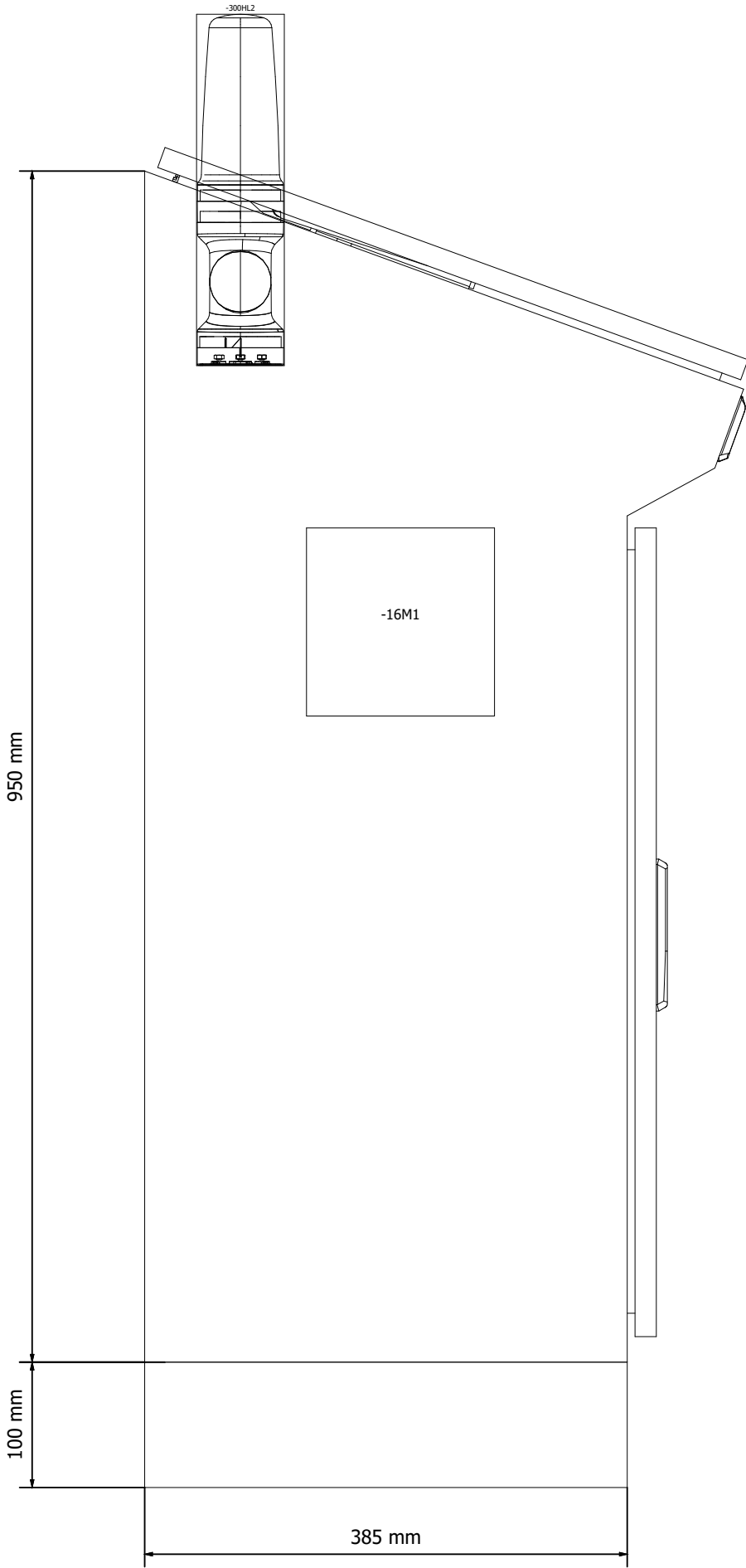
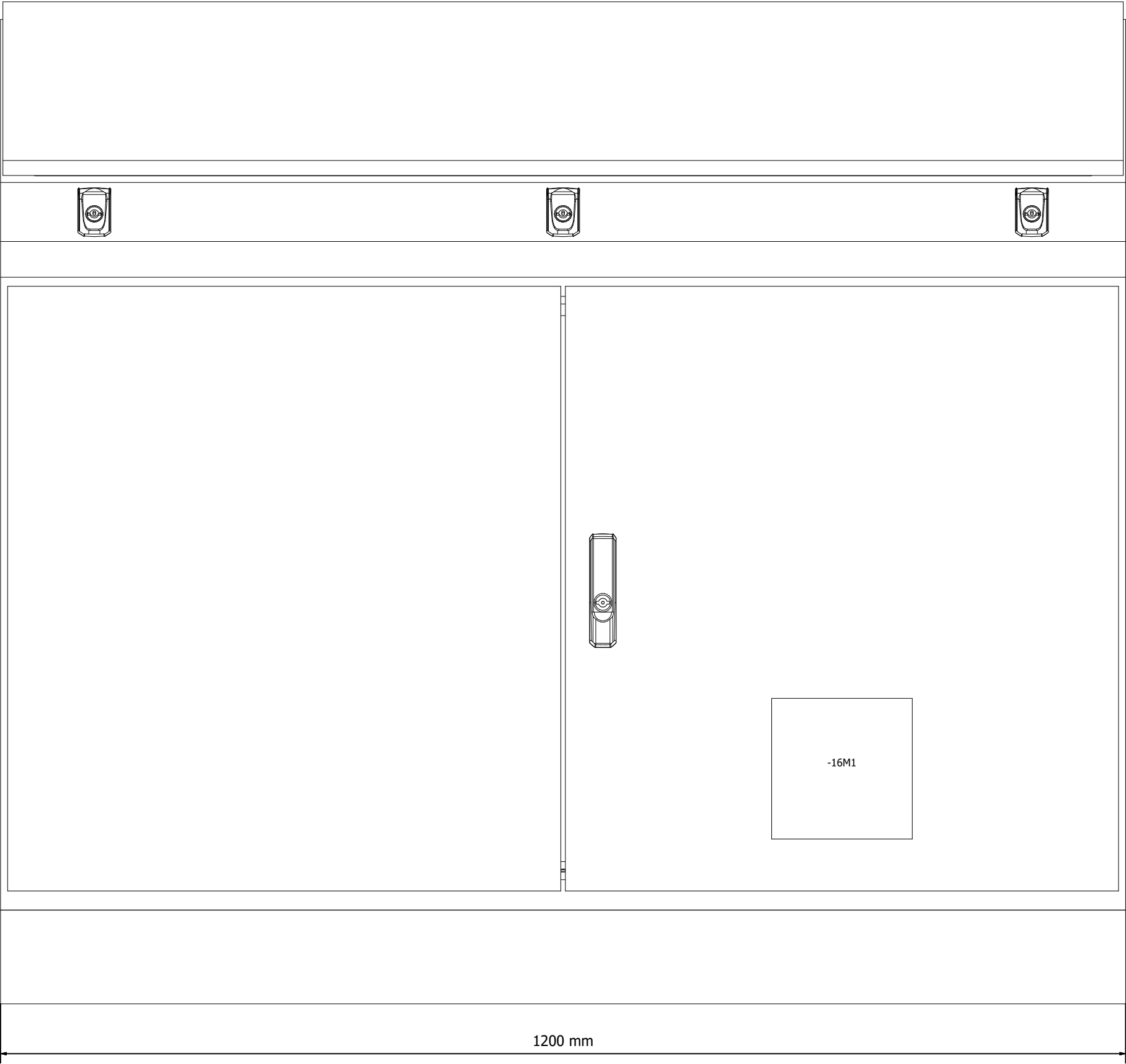
Date	13/06/2025		<div><div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Digital outputs	+ P01 60-04-78A		274	←
Ed.	UTE							275	
Rev	08/08/2025	08/08/2025							
Rev	1	=> 1				r43.51	00-2400000		→ 290

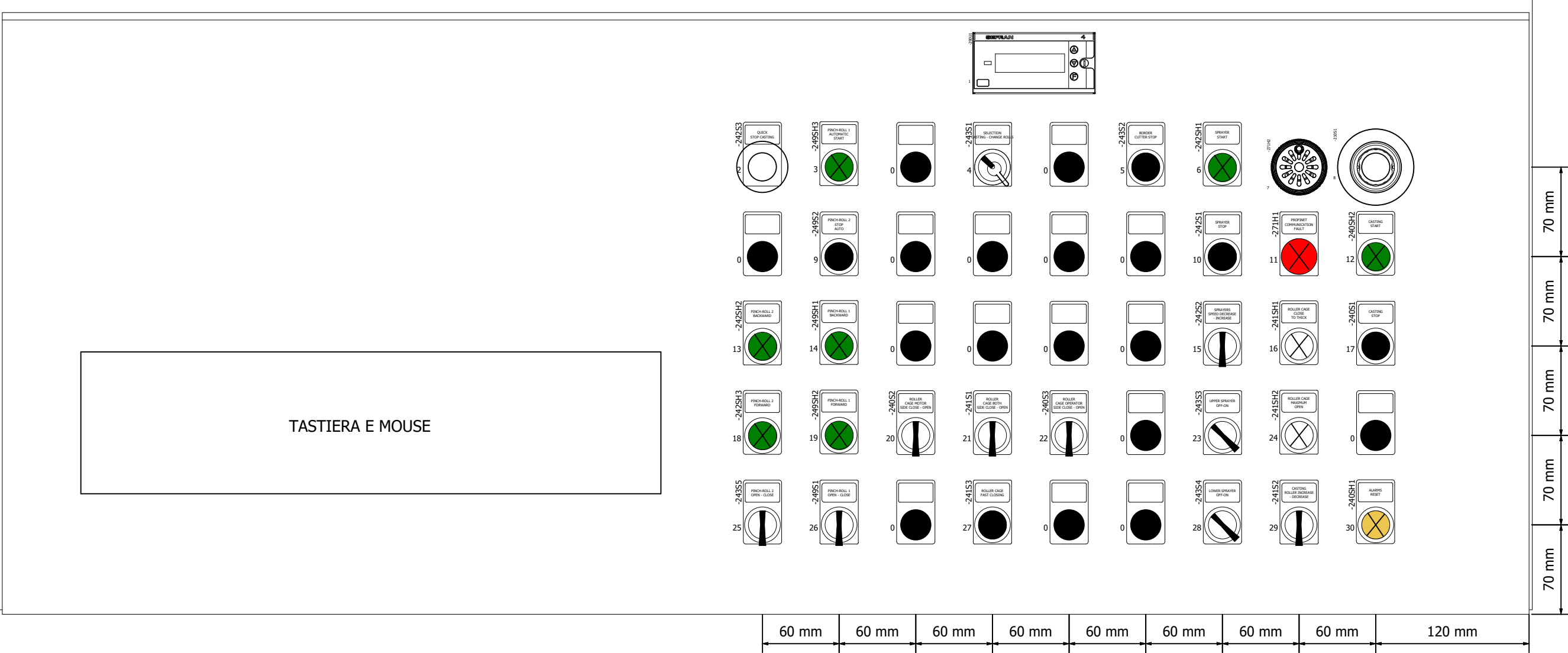


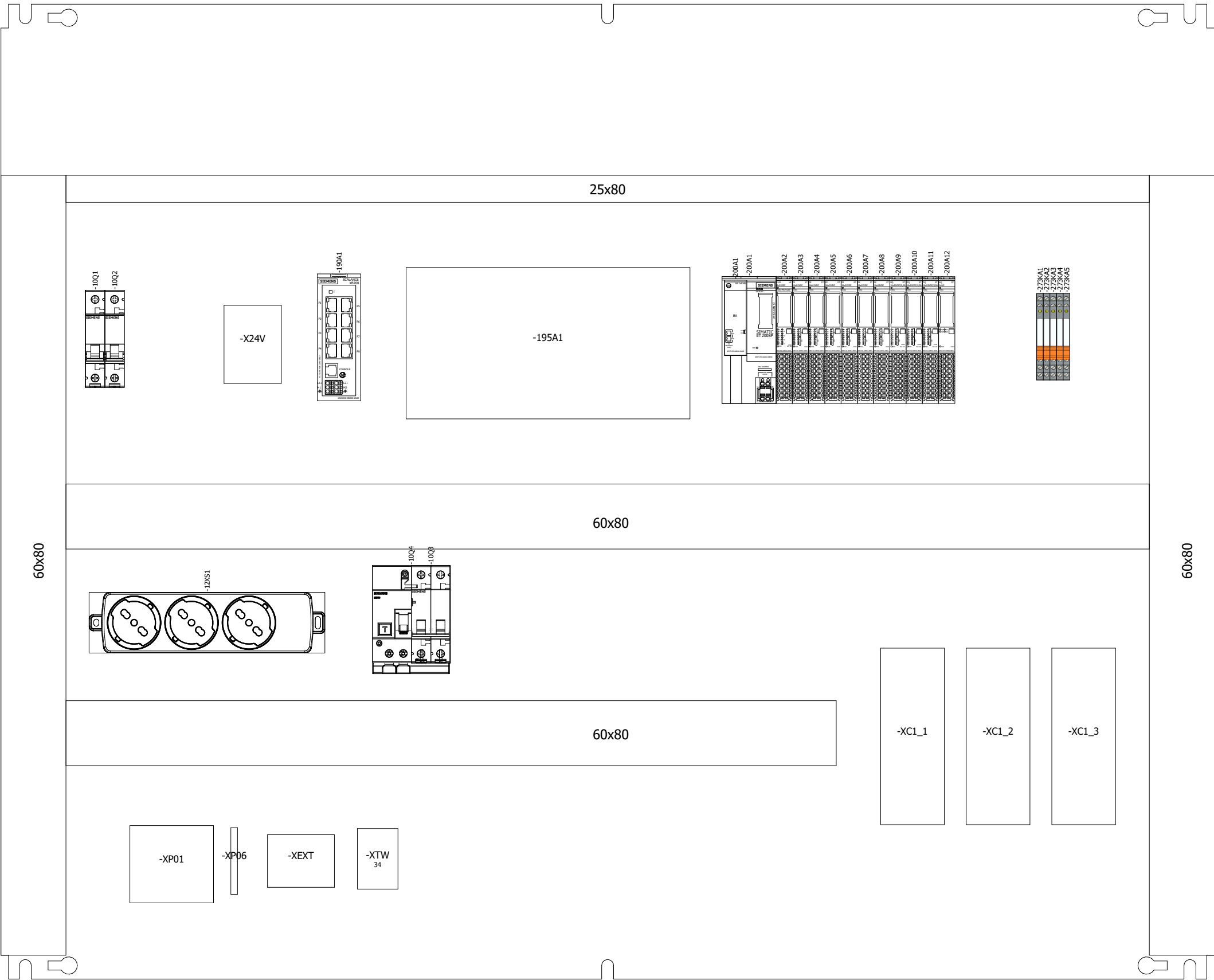


0	1	2	3	4	5	6	7	8			
<div>TERMINAL STRIP AND COTORS</div> <div><div>-XP01 = Power supply terminal strip</div><div>-X24V = 24Vdc common terminal strip</div><div>-XAO = Analog output terminal block</div><div>-XTW = Terminal strip light tower</div><div>-XC1_1 = Connector signal P06</div><div>-XC1_1 = Connector signal P06</div><div>-XC1_2 = Connector signal P06</div><div>-XC1_2 = Connector signal P06</div><div>-XC1_3 = Connector signal P06</div><div>-XC1_3 = Connector signal P06</div></div>											
Date	13/06/2025		<div><div></div><div><div>BRUNO PRESEZZI s.p.a.</div><div>20040 BURAGO DI MOLGORA</div><div>Via per Ornago, 8 (MI) ITALY</div></div></div>	CONTINUOUS CASTER	Terminal strip	+ P0160-04-78A		300	←		
Ed.	UTE							380			
Rev	08/08/2025	08/08/2025						00-2400000	→		
Rev	1	=> 1				r43.51			390		

P01







Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1




BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Internal layout

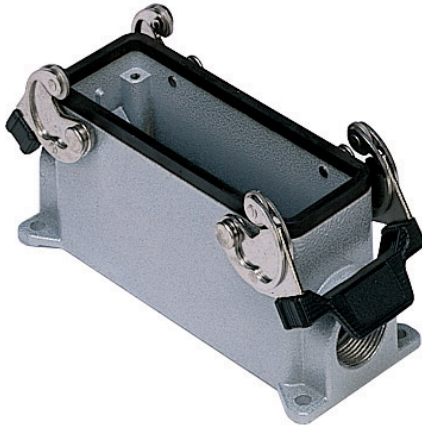
+ P01 60-04-78A		391	←
r43.51 00-2400000		393	
		→	&MOR/400

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P01-XEXT	+ P01 60-04-78A		401
UTE							
08/08/2025	08/08/2025						402
1	=> 1				r43.51	00-2400000	403

Plug diagram

F22_003_Presezzi

Plug =+P01-XC1_1			
Plug target	Contact	Female pin target	Page / path
-XC1_1:1	1	-XP06:1:2	&SCH/244.1
-XC1_1:2	2	-X24V:3:1	&SCH/244.1
-XC1_1:3	3	-200A2:2	&SCH/210.3
-XC1_1:4	4	-200A2:10	&SCH/210.3
-XC1_1:5	5	-200A2:6	&SCH/210.4
-XC1_1:6	6	-200A2:14	&SCH/210.4
-XC1_1:7	7	-200A5:1	&SCH/244.1
-XC1_1:8	8	-200A5:2	&SCH/244.2
-XC1_1:9	9	-200A5:3	&SCH/244.3
-XC1_1:10	10	-200A5:4	&SCH/244.4
-XC1_1:11	11	-200A5:5	&SCH/244.5
-XC1_1:12	12	-200A5:6	&SCH/244.6
-XC1_1:13	13	-200A5:7	&SCH/244.7
-XC1_1:14	14	-200A5:8	&SCH/244.8
-XC1_1:15	15	-200A5:9	&SCH/245.0
-XC1_1:16	16	-200A5:10	&SCH/245.1
-XC1_1:17	17	-200A5:11	&SCH/245.3
-XC1_1:18	18	-200A5:12	&SCH/245.4
-XC1_1:19	19	-200A5:13	&SCH/245.5
-XC1_1:20	20	-200A5:14	&SCH/245.6
-XC1_1:21	21	-200A5:15	&SCH/245.7
-XC1_1:22	22	-200A5:16	&SCH/245.8
	23		
	24		
+P06-XC6_1:PE	PE	-EQP	&SCH/244.1



Plug diagram

F22_003_Presezzi

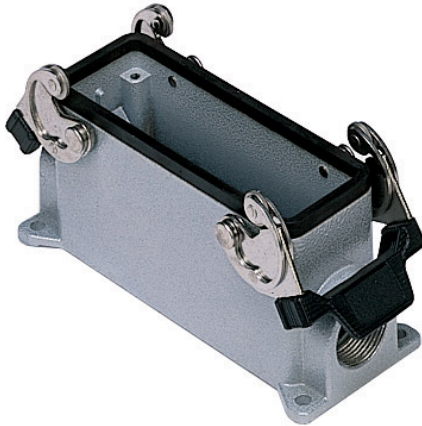
Plug =+P01-XC1_1			
Plug target	Contact	Female pin target	Page / path
+P06-XC6_1:1:1	1	-XC1_1:1	&SCH/244.1
+P06-XC6_1:2:2	2	-XC1_1:2	&SCH/244.1
+P06-XC6_1:3:3	3	-XC1_1:3	&SCH/210.3
+P06-XC6_1:4:4	4	-XC1_1:4	&SCH/210.3
+P06-XC6_1:5:5	5	-XC1_1:5	&SCH/210.4
+P06-XC6_1:6:6	6	-XC1_1:6	&SCH/210.4
+P06-XC6_1:7:7	7	-XC1_1:7	&SCH/244.1
+P06-XC6_1:8:8	8	-XC1_1:8	&SCH/244.2
+P06-XC6_1:9:9	9	-XC1_1:9	&SCH/244.3
+P06-XC6_1:10:10	10	-XC1_1:10	&SCH/244.4
+P06-XC6_1:11:11	11	-XC1_1:11	&SCH/244.5
+P06-XC6_1:12:12	12	-XC1_1:12	&SCH/244.6
+P06-XC6_1:13:13	13	-XC1_1:13	&SCH/244.7
+P06-XC6_1:14:14	14	-XC1_1:14	&SCH/244.8
+P06-XC6_1:15:15	15	-XC1_1:15	&SCH/245.0
+P06-XC6_1:16:16	16	-XC1_1:16	&SCH/245.1
+P06-XC6_1:17:17	17	-XC1_1:17	&SCH/245.3
+P06-XC6_1:18:18	18	-XC1_1:18	&SCH/245.4
+P06-XC6_1:19:19	19	-XC1_1:19	&SCH/245.5
+P06-XC6_1:20:20	20	-XC1_1:20	&SCH/245.6
+P06-XC6_1:21:21	21	-XC1_1:21	&SCH/245.7
+P06-XC6_1:22:22	22	-XC1_1:22	&SCH/245.8



Plug diagram

F22_003_Presezzi

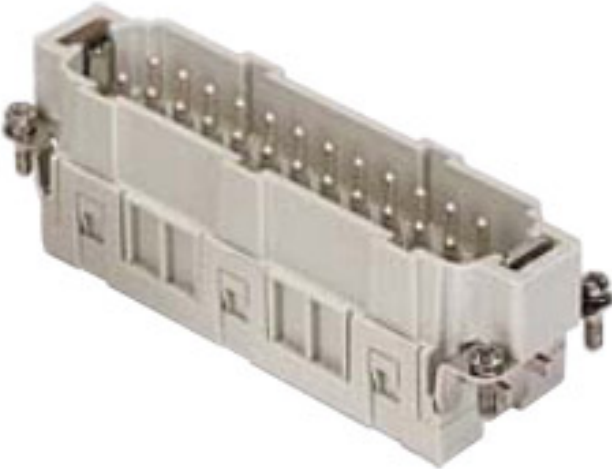
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Plug target	Contact	Female pin target	Page / path
-XC1_2:1	1	-200A6:1	&SCH/246.0
-XC1_2:2	2	-200A6:2	&SCH/246.1
-XC1_2:3	3	-200A6:3	&SCH/246.3
-XC1_2:4	4	-200A6:4	&SCH/246.4
-XC1_2:5	5	-200A6:5	&SCH/246.5
-XC1_2:6	6	-200A6:6	&SCH/246.6
-XC1_2:7	7	-200A6:7	&SCH/246.7
-XC1_2:8	8	-200A6:8	&SCH/246.8
-XC1_2:9	9	-200A6:9	&SCH/247.0
-XC1_2:10	10	-200A6:10	&SCH/247.1
-XC1_2:11	11	-200A6:11	&SCH/247.3
-XC1_2:12	12	-200A6:12	&SCH/247.4
-XC1_2:13	13	-200A6:13	&SCH/247.5
-XC1_2:14	14	-200A6:14	&SCH/247.6
-XC1_2:15	15	-200A6:15	&SCH/247.7
-XC1_2:16	16	-200A6:16	&SCH/247.8
-XC1_2:17	17	-200A7:1	&SCH/248.1
-XC1_2:18	18	-200A7:2	&SCH/248.2
-XC1_2:19	19	-200A7:3	&SCH/248.3
-XC1_2:20	20	-200A7:4	&SCH/248.4
	21		
	22		
	23		
	24		
	PE		



Plug diagram

F22_003_Presezzi

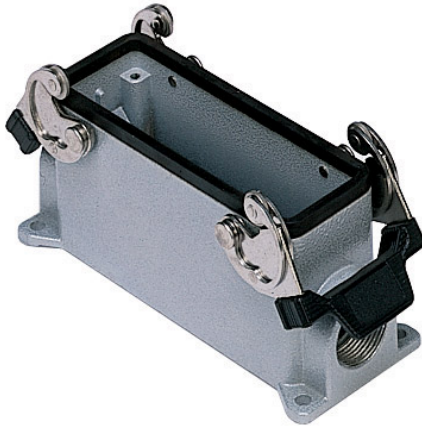
Plug =+P01-XC1_2			
Plug target	Contact	Female pin target	Page / path
+P06-XC6_2:1:1	1	-XC1_2:1	&SCH/246.0
+P06-XC6_2:2:2	2	-XC1_2:2	&SCH/246.1
+P06-XC6_2:3:3	3	-XC1_2:3	&SCH/246.3
+P06-XC6_2:4:4	4	-XC1_2:4	&SCH/246.4
+P06-XC6_2:5:5	5	-XC1_2:5	&SCH/246.5
+P06-XC6_2:6:6	6	-XC1_2:6	&SCH/246.6
+P06-XC6_2:7:7	7	-XC1_2:7	&SCH/246.7
+P06-XC6_2:8:8	8	-XC1_2:8	&SCH/246.8
+P06-XC6_2:9:9	9	-XC1_2:9	&SCH/247.0
+P06-XC6_2:10:10	10	-XC1_2:10	&SCH/247.1
+P06-XC6_2:11:11	11	-XC1_2:11	&SCH/247.3
+P06-XC6_2:12:12	12	-XC1_2:12	&SCH/247.4
+P06-XC6_2:13:13	13	-XC1_2:13	&SCH/247.5
+P06-XC6_2:14:14	14	-XC1_2:14	&SCH/247.6
+P06-XC6_2:15:15	15	-XC1_2:15	&SCH/247.7
+P06-XC6_2:16:16	16	-XC1_2:16	&SCH/247.8
+P06-XC6_2:17:17	17	-XC1_2:17	&SCH/248.1
+P06-XC6_2:18:18	18	-XC1_2:18	&SCH/248.2
+P06-XC6_2:19:19	19	-XC1_2:19	&SCH/248.3
+P06-XC6_2:20:20	20	-XC1_2:20	&SCH/248.4



Plug diagram

F22_003_Presezzi

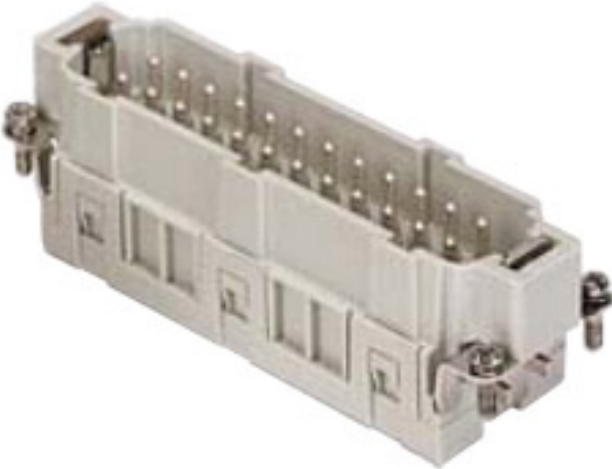
Plug =+P01-XC1_3			
Plug target	Contact	Female pin target	Page / path
-XC1_3:1	1	-200A10:1	&SCH/272.1
-XC1_3:2	2	-200A10:2	&SCH/272.2
-XC1_3:3	3	+P06-XC6_3:3:3	&SCH/272.3
-XC1_3:4	4	-200A10:4	&SCH/272.4
-XC1_3:5	5	-200A10:5	&SCH/272.5
-XC1_3:6	6	-200A10:6	&SCH/272.6
-XC1_3:7	7	-200A10:7	&SCH/272.7
-XC1_3:8	8	-200A10:8	&SCH/272.8
-XC1_3:9	9	-200A10:9	&SCH/273.1
-XC1_3:10	10	-200A10:10	&SCH/273.2
-XC1_3:11	11	-200A10:11	&SCH/273.3
-XC1_3:12	12	-200A8:1	&SCH/250.1
-XC1_3:13	13	-200A8:2	&SCH/250.2
-XC1_3:14	14	-200A8:3	&SCH/250.3
-XC1_3:15	15	-200A8:4	&SCH/250.4
-XC1_3:16	16	-200A8:5	&SCH/250.5
-XC1_3:17	17	-200A8:6	&SCH/250.6
-XC1_3:18	18	-200A8:7	&SCH/250.7
-XC1_3:19	19	-200A8:8	&SCH/250.8
-XC1_3:20	20	-200A8:9	&SCH/251.1
-XC1_3:21	21	-200A8:10	&SCH/251.2
	22		
	23		
	24		
	PE		



Plug diagram

F22_003_Presezzi

Plug =+P01-XC1_3			
Plug target	Contact	Female pin target	Page / path
+P06-XC6_3:1:1	1	-XC1_3:1	&SCH/272.1
+P06-XC6_3:2:2	2	-XC1_3:2	&SCH/272.2
-200A10:3	3	-XC1_3:3	&SCH/272.3
+P06-XC6_3:4:4	4	-XC1_3:4	&SCH/272.4
+P06-XC6_3:5:5	5	-XC1_3:5	&SCH/272.5
+P06-XC6_3:6:6	6	-XC1_3:6	&SCH/272.6
+P06-XC6_3:7:7	7	-XC1_3:7	&SCH/272.7
+P06-XC6_3:8:8	8	-XC1_3:8	&SCH/272.8
+P06-XC6_3:9:9	9	-XC1_3:9	&SCH/273.1
+P06-XC6_3:10:10	10	-XC1_3:10	&SCH/273.2
+P06-XC6_3:11:11	11	-XC1_3:11	&SCH/273.3
+P06-XC6_3:12:12	12	-XC1_3:12	&SCH/250.1
+P06-XC6_3:13:13	13	-XC1_3:13	&SCH/250.2
+P06-XC6_3:14:14	14	-XC1_3:14	&SCH/250.3
+P06-XC6_3:15:15	15	-XC1_3:15	&SCH/250.4
+P06-XC6_3:16:16	16	-XC1_3:16	&SCH/250.5
+P06-XC6_3:17:17	17	-XC1_3:17	&SCH/250.6
+P06-XC6_3:18:18	18	-XC1_3:18	&SCH/250.7
+P06-XC6_3:19:19	19	-XC1_3:19	&SCH/250.8
+P06-XC6_3:20:20	20	-XC1_3:20	&SCH/251.1
+P06-XC6_3:21:21	21	-XC1_3:21	&SCH/251.2



Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-10Q2	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-10Q3	1	Circui breaker 4A	5SY4204-7	Siemens	SIE.5SY4204-7
-10Q4	1	Differential block	5SM2322-0	Siemens	SIE.5SM2322-0
-XP01	7	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XP01	3	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-12XS1	1	Socket	01287.NC.B	VIMAR	VIM.01287NCB
-X24V	9	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-16M1	1		ATV2224	Alfaplastic	ALF.ATV2224
-16M1	1		ATV2000	Alfaplastic	ALF.ATV2000
-16S1	1	Temperature switch	THV02	Alfaplastic	ALF.THV02
-50U1	1	Monitor	ThinkVision T27i-30	LENOVO	LEN.ThinkVision T27i-30
-190A1	1	Switch 8 door(s)	6GK5208-0BA00-2AB2	Siemens	SIE.6GK5208-0BA00-2AB2
-191A1	1	Switch 8 door(s)	6GK5008-0GA10-1AB2	Siemens	SIE.6GK5008-0GA10-1AB2
-195A1	1	SIMATIC IPC BX-39A	6AG4142-7CJ10-2AB0	Siemens	SIE.6AG4142-7CJ10-2AB0
-195A1	1	SIMATIC S7-1500 fail-safe Software	6ES7672-7FC01-0YA0	Siemens	SIE.6ES7672-7FC01-0YA0
-195A1	1	WinCC Unified Package	6AV2155-1FB02-4AA0	Siemens	SIE.6AV2155-1FB02-4AA0
-195A1	1	SIMATIC WinCC Unified V20 Database Storage	6AV2154-0BS02-4LA0	Siemens	SIE.6AV2154-0BS02-4LA0
-195A1	1	SIMATIC WinCC Unified Client	6AV2157-1JW00-0AB0	Siemens	SIE.6AV2157-1JW00-0AB0
-195U1	1	Keyboard	TA021-U-G-F-00-IT	TastiereIndustriali	TI.TA021-U-G-F-00-IT
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A2	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A3	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A4	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A5	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A6	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A7	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A7	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A8	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A8	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A9	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A9	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A10	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A10	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A11	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A11	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A12	1	Analog output card	6ES7135-6HD00-0BA1	Siemens	SIE.6ES7135-6HD00-0BA1
-200A12	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-210S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-210S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-210S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-210S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-210S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-240S1	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-240S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-240S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-240S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-240S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-240S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240SH1	1	Pushbutton	ZB4BW383	Schneider Electric	SE.ZB4BW383
-240SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-240SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240SH2	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-240SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-240SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-241S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-241S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S3	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-241S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH1	1	Pushbutton	ZB4BW313	Schneider Electric	SE.ZB4BW313

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-241SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH2	1	Pushbutton	ZB4BW313	Schneider Electric	SE.ZB4BW313
-241SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S1	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-242S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-242S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-242S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S3	1	Mushroom push button	ZB4BC2	Schneider Electric	SE.ZB4BC2
-242S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S3	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-242S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-242SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-242SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242SH2	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-242SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-242SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-242SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242SH3	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-242SH3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242SH3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242SH3	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-242SH3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S1	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
-243S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S2	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-243S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S2	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-243S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S3	1	Selector switch	ZB4BJ2	Schneider Electric	SE.ZB4BJ2
-243S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S4	1	Selector switch	ZB4BJ2	Schneider Electric	SE.ZB4BJ2
-243S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S5	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-243S5	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S5	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S5	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-XP06	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XP06	1	Fuse 5x20	0103153	Italweber	IW.0103153
-249S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-249S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-249S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-249S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-249S2	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-249S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-249S2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-249S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-249SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-249SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-249SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-249SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-249SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-249SH2	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-249SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-249SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-249SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-249SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-249SH3	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-249SH3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-249SH3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-249SH3	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-249SH3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-271H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-271H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-271H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-271H2	1	Buzzer	42319	SIRENA	SIR.42319
-273KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XEXT	8	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-274KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-274KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-290U1	1	Marker	GEF.4T96	GEFRAN	GEF.4T96
-XAO	2	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-300HL1	1	Base tower	XVUC21B	Schneider Electric	SE.XVUC21B
-300HL1	1	Accessory tower	XVUZ02	Schneider Electric	SE.XVUZ02
-300HL1	1	Siren tower	XVUC9S	Schneider Electric	SE.XVUC9S
-300HL1	1	LED tower	XVUC23	Schneider Electric	SE.XVUC23
-300HL1	1	LED tower	XVUC28	Schneider Electric	SE.XVUC28
-300HL1	1	LED tower	XVUC24	Schneider Electric	SE.XVUC24
-300HL2	1	LED tower	DV1300	IFM	IFM.DV1300
-XTW	5	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XC1_1	1	Cover connector	MAP 24.40	ILME	ILME.MAP 24.40
-XC1_1	1	Male insert	CSEF 24	ILME	ILME.CSEF 24
-XC1_1	1	Cover connector	MAO 24.32	ILME	ILME.MAO 24.32
-XC1_1	1	Female Insert	CSEM 24	ILME	ILME.CSEM 24

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-XC1_2	1	Cover connector	MAP 24.40	ILME	ILME.MAP 24.40
-XC1_2	1	Male insert	CSEF 24	ILME	ILME.CSEF 24
-XC1_2	1	Cover connector	MAO 24.32	ILME	ILME.MAO 24.32
-XC1_2	1	Female Insert	CSEM 24	ILME	ILME.CSEM 24
-XC1_3	1	Cover connector	MAP 24.40	ILME	ILME.MAP 24.40
-XC1_3	1	Male insert	CSEF 24	ILME	ILME.CSEF 24
-XC1_3	1	Cover connector	MAO 24.32	ILME	ILME.MAO 24.32
-XC1_3	1	Female Insert	CSEM 24	ILME	ILME.CSEM 24
-390M1	1	One-piece console CX	CX.6748000	Rittal	RIT.6748000
-390M1	1	Base element	VX.8660007	Rittal	RIT.8660007
-390M1	1	Base element	VX.8660031	Rittal	RIT.8660031
-391S1	16	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	16	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3
-200A1	1	IM 155-6 PN ST	6ES7155-6AU02-0BN0	Siemens	SIE.6ES7155-6AU02-0BN0
-200A1	1	Bus adapter	6ES7193-6AR00-0AA0	Siemens	SIE.6ES7193-6AR00-0AA0

AL INVEST

Designation system	CONTINUOUS CASTER	Job	: 00-2400000
Mounting location:	P02 MOBILE CONTROL DESK CABINET	Drawing	: 60-04-79A









Power supply	400Vac 50Hz
Input lead	3ph + PE
Auxiliary voltage	230Vac - 24Vdc
Year of manufacture	2025

5		
4		
3		
2		
1	08/08/2025	SECOND ISSUED
0	13/06/2025	FIRST ISSUED
Rev.	Date	Description

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012345678

WIRES COLOR TABLE

 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

0		1		2		3		4		5		6		7		8	
Table of contents																	
Assignment				Page		Page description								Revision		Edited by	
+P02				MOBILE CONTROL DESK CABINET													
				1		COVER								1		UTE	
				2		WIRES COLOR TABLE								1		UTE	
				4		Table of contents								1		UTE	
				4.a		Table of contents								1		UTE	
				10		Supply Line								1		UTE	
				15		Distribution 24Vdc								1		UTE	
				80		Radio control unit								1		UTE	
				180		Emergency push button								1		UTE	
				198		HMI								1		UTE	
				200		PLC								1		UTE	
				240		Digital inputs								1		UTE	
				241		Digital inputs								1		UTE	
				242		Digital inputs								1		UTE	
				243		Digital inputs								1		UTE	
				244		Digital inputs								1		UTE	
				245		Digital inputs								1		UTE	
				246		Digital inputs								1		UTE	
				247		Digital inputs								1		UTE	
				270		Digital outputs								1		UTE	
				271		Digital outputs								1		UTE	
				380		Terminal strip								1		UTE	
				390		External layout								1		UTE	
391		External layout								1		UTE					
393		Internal layout								1		UTE					
400		Terminal diagram =+P02-X24V								1		UTE					
401		Terminal diagram =+P02-XP02								1		UTE					
500		Parts list								1		UTE					
500.a		Parts list								1		UTE					


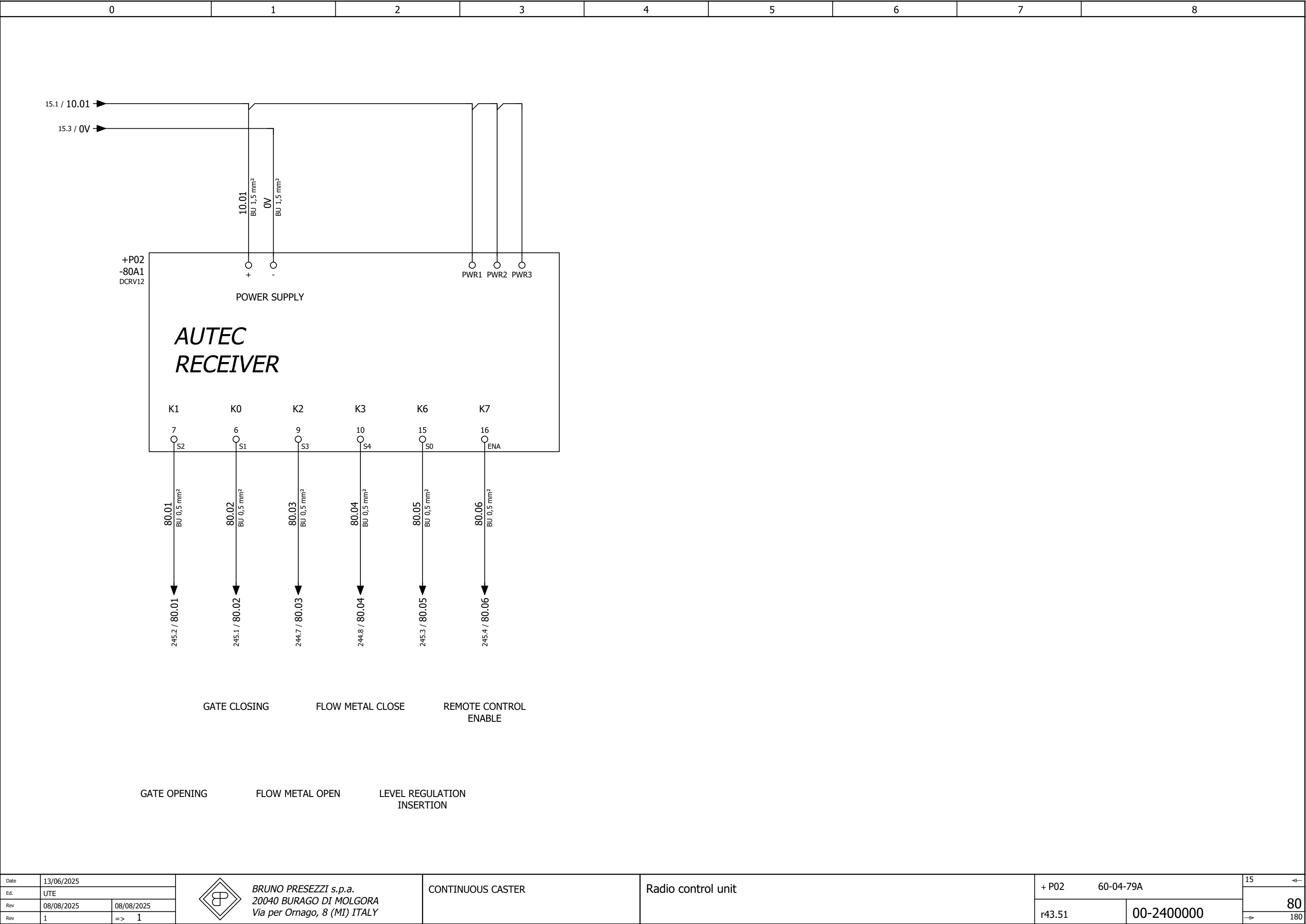
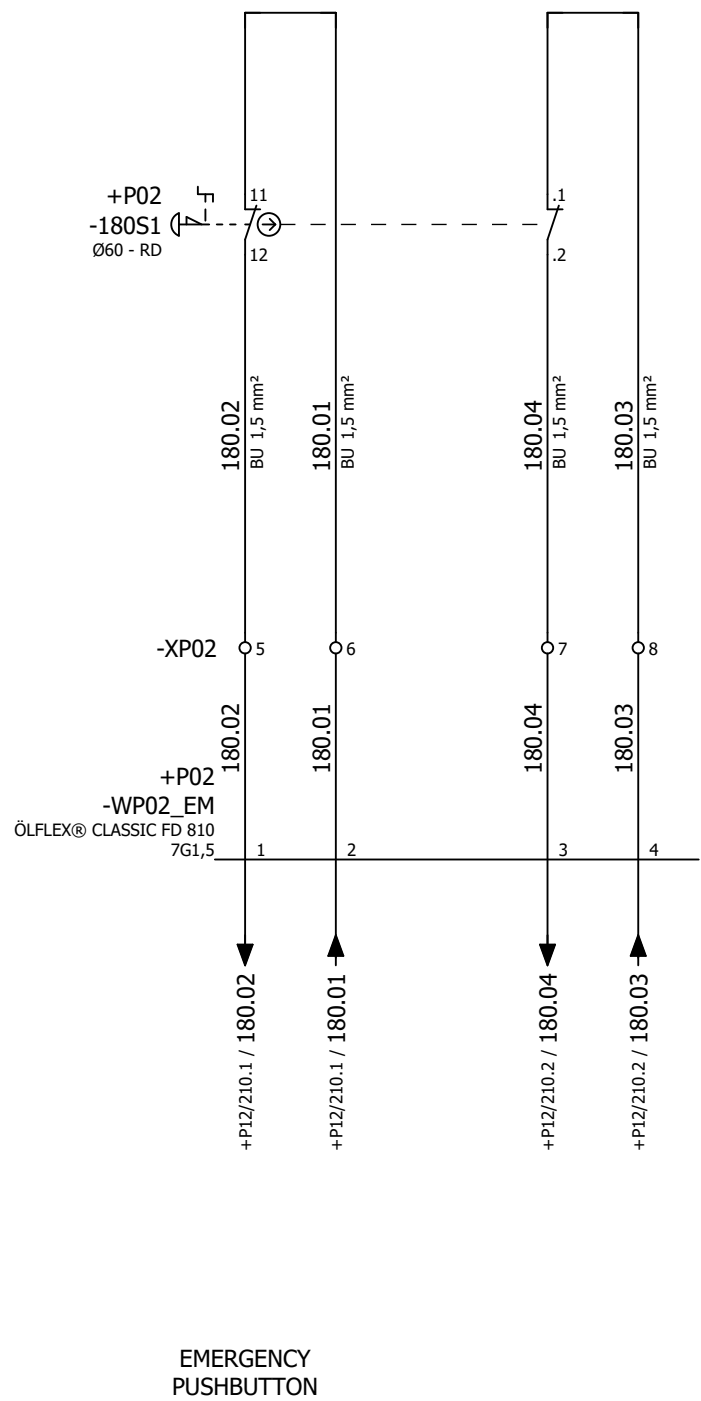
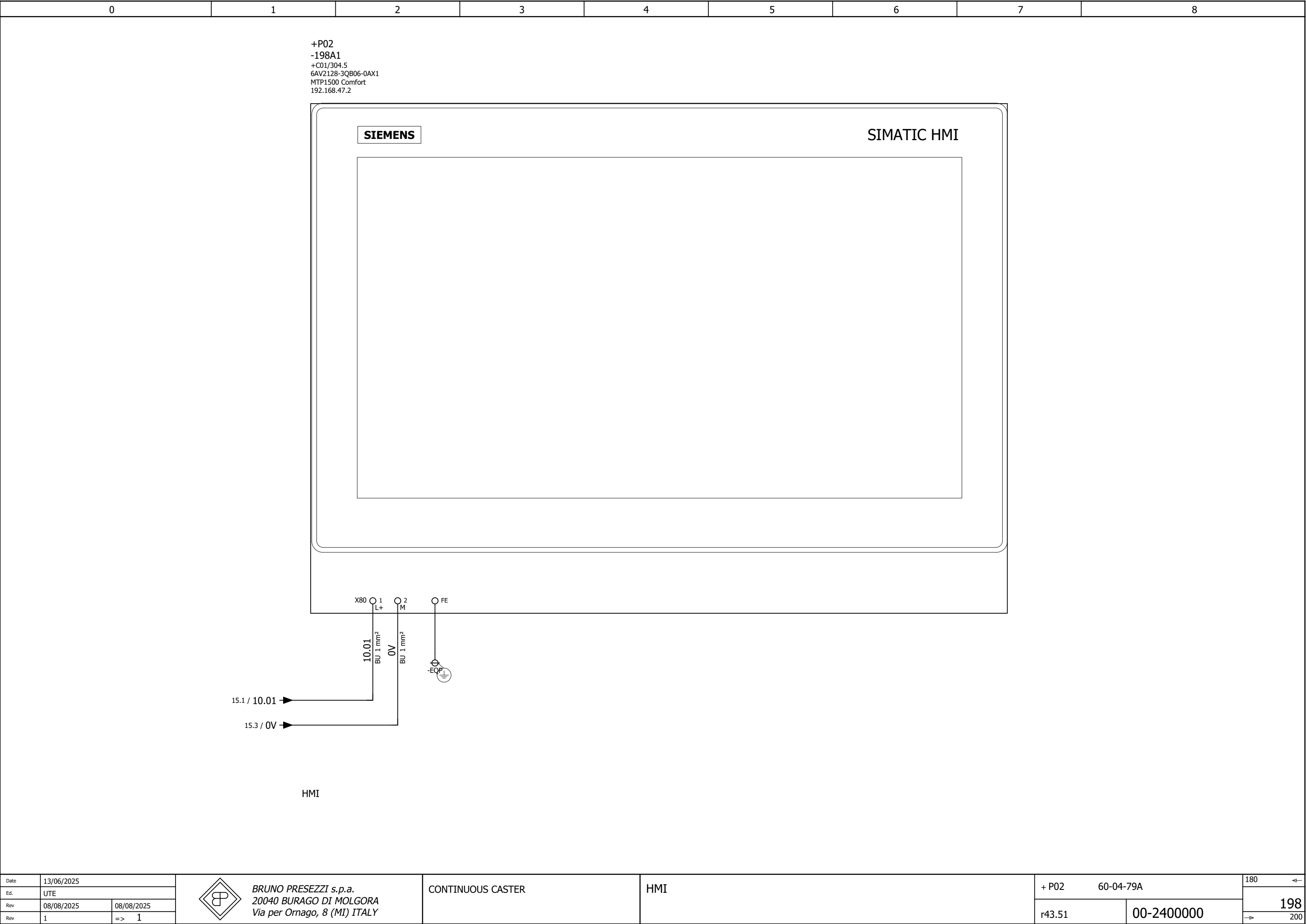
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UTE															
ev	08/08/2025	08/08/2025							r43.51		00-2400000		4		
ev	1	=> 1											→		

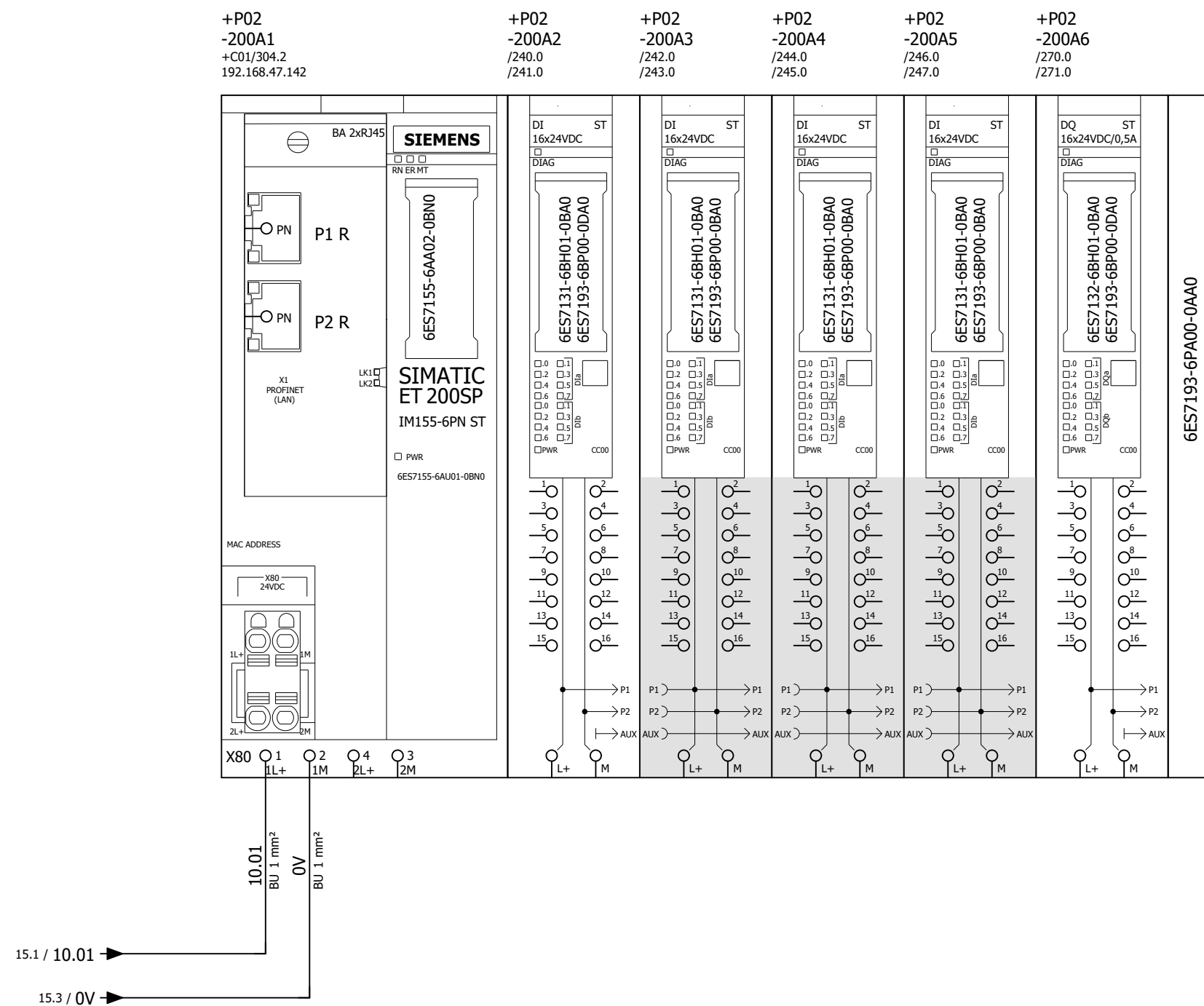
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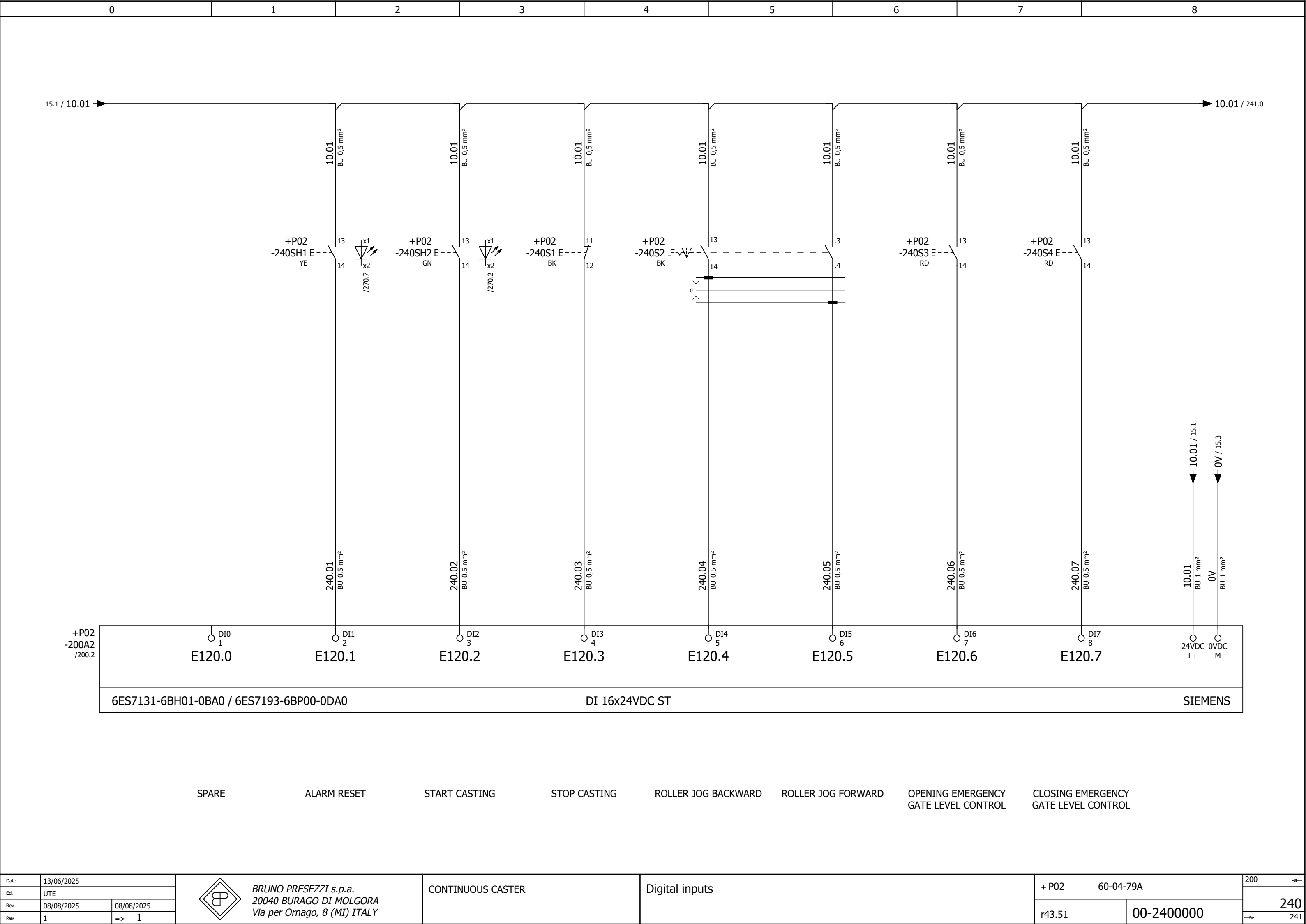
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	500.c	Parts list	1	UTE
	500.d	Parts list	1	UTE
	500.e	Parts list	1	UTE

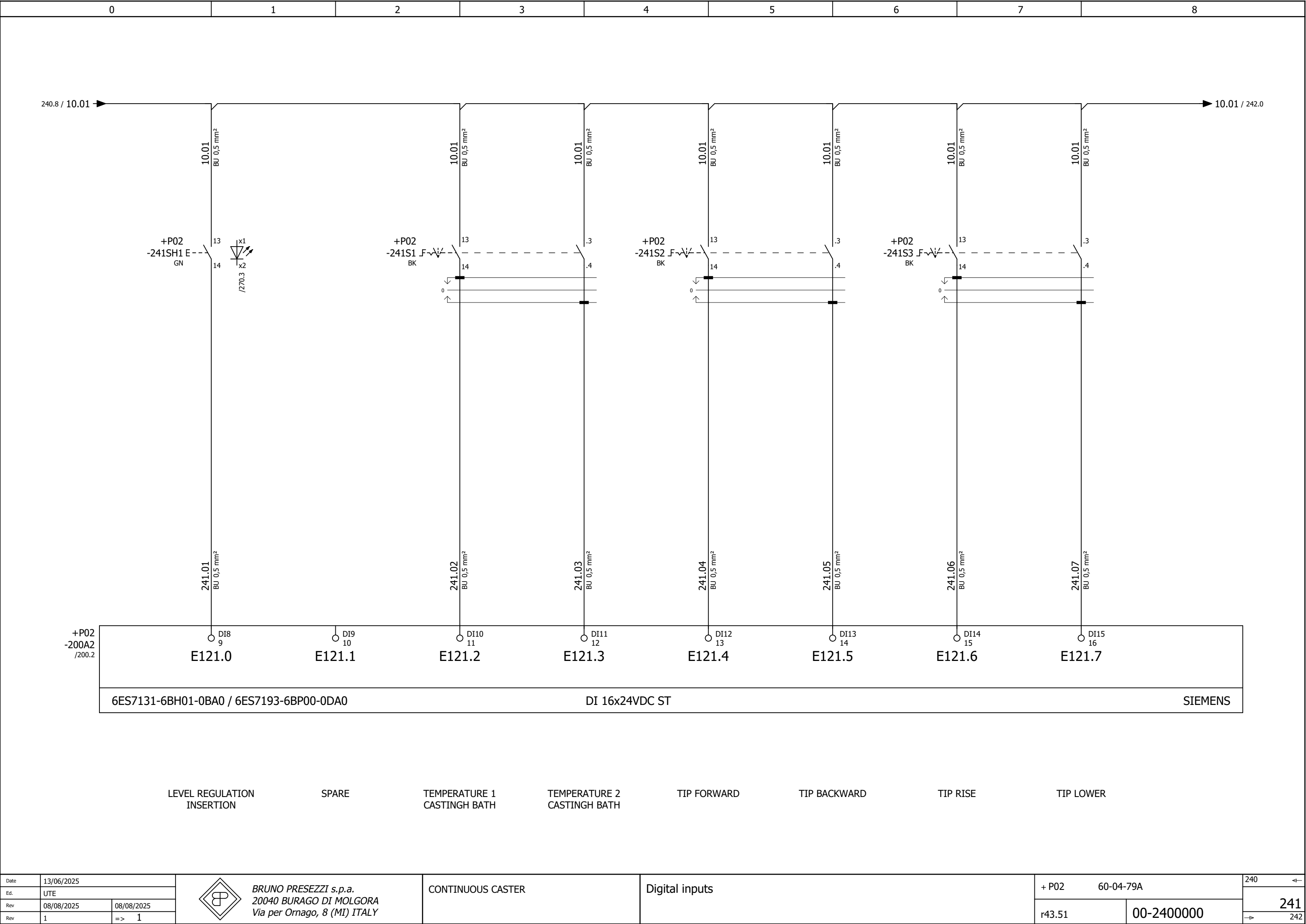


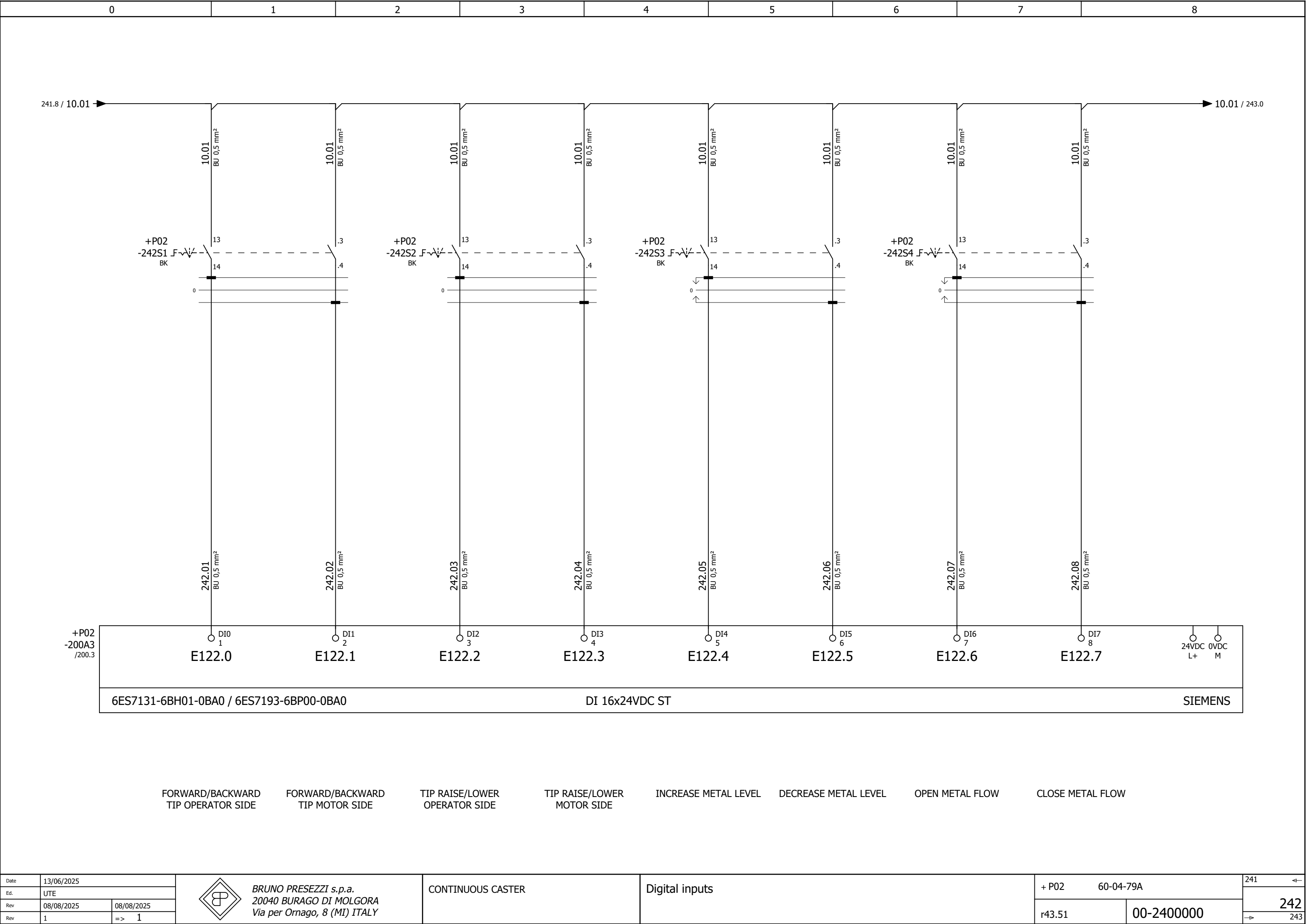












10.01

BU 0,5 mm²

13

14

0

242.06

BU 0,5 mm²

DI5

6

10.01

BU 0,5 mm²

13

14

0

242.07

BU 0,5 mm²

DI6

7

10.01

BU 0,5 mm²

13

14

0

242.08

BU 0,5 mm²

DI7

8

24VDC

0VDC

L+

M

+P02

-200A3

/200.3

6ES7131-6BH01-0BA0 / 6ES7193-6BP00-0BA0

DI 16x24VDC ST

SIEMENS

FORWARD/BACKWARD

TIP OPERATOR SIDE

FORWARD/BACKWARD

TIP MOTOR SIDE

TIP RAISE/LOWER

OPERATOR SIDE

TIP RAISE/LOWER

MOTOR SIDE

INCREASE METAL LEVEL

DECREASE METAL LEVEL

OPEN METAL FLOW

CLOSE METAL FLOW

Date

13/06/2025

Ed.

UTE

Rev

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Rev

1

=> 1

BRUNO PRESEZZI s.p.a.

20040 BURAGO DI MOLGORA

Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ P02

60-04-79A

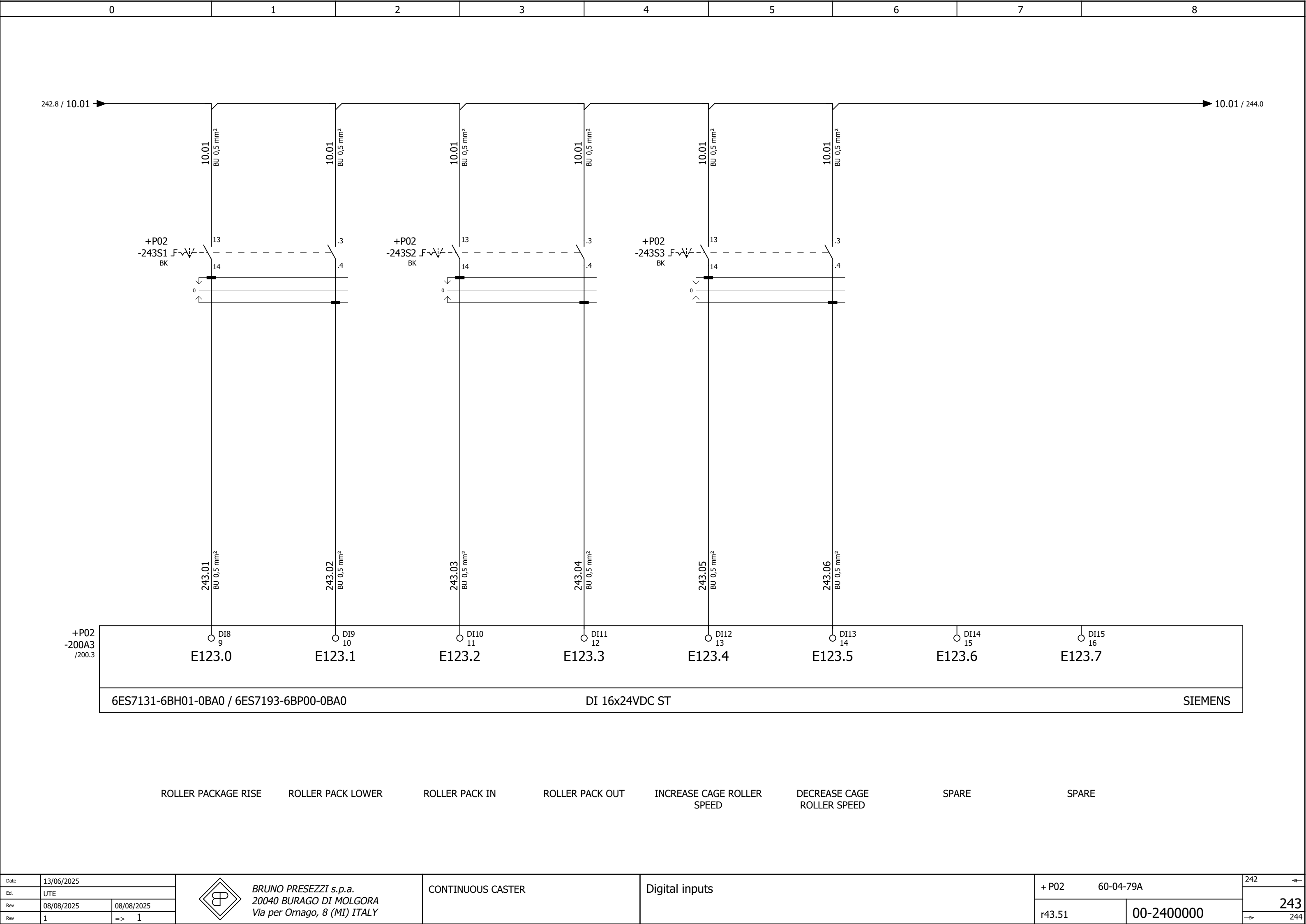
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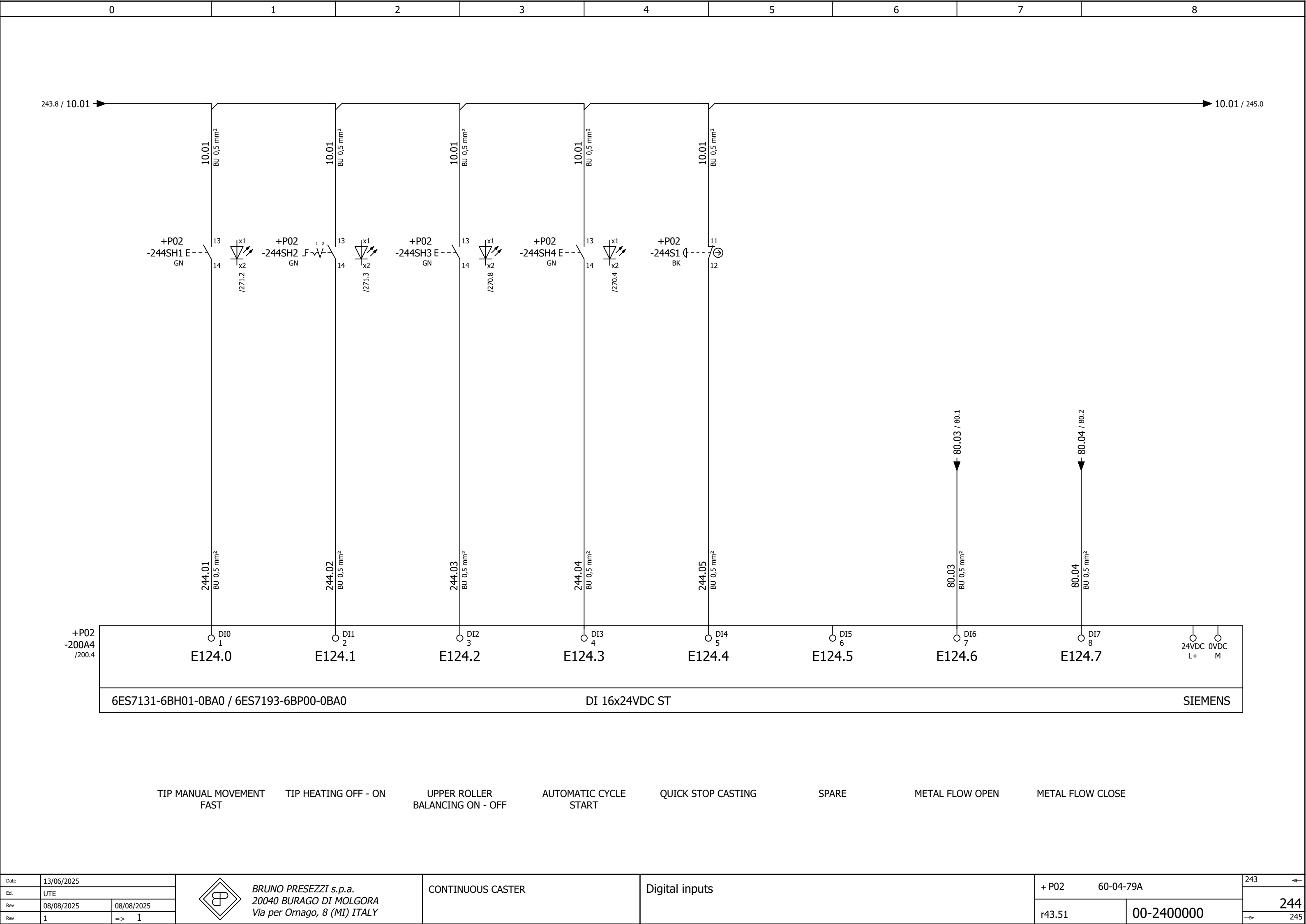
00-2400000

241

242

243





6ES7131-6BH01-0BA0 / 6ES7193-6BP00-0BA0

DI 16x24VDC ST

SIEMENS

TIP MANUAL MOVEMENT
FAST

TIP HEATING OFF - ON

UPPER ROLLER
BALANCING ON - OFF

AUTOMATIC CYCLE
START

QUICK STOP CASTING

SPARE

METAL FLOW OPEN

METAL FLOW CLOSE

Date

13/06/2025

Ed.

UTE

Rev

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08/08/2025

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1

=> 1

BRUNO PRESEZZI s.p.a.

20040 BURAGO DI MOLGORA

Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ P02

60-04-79A

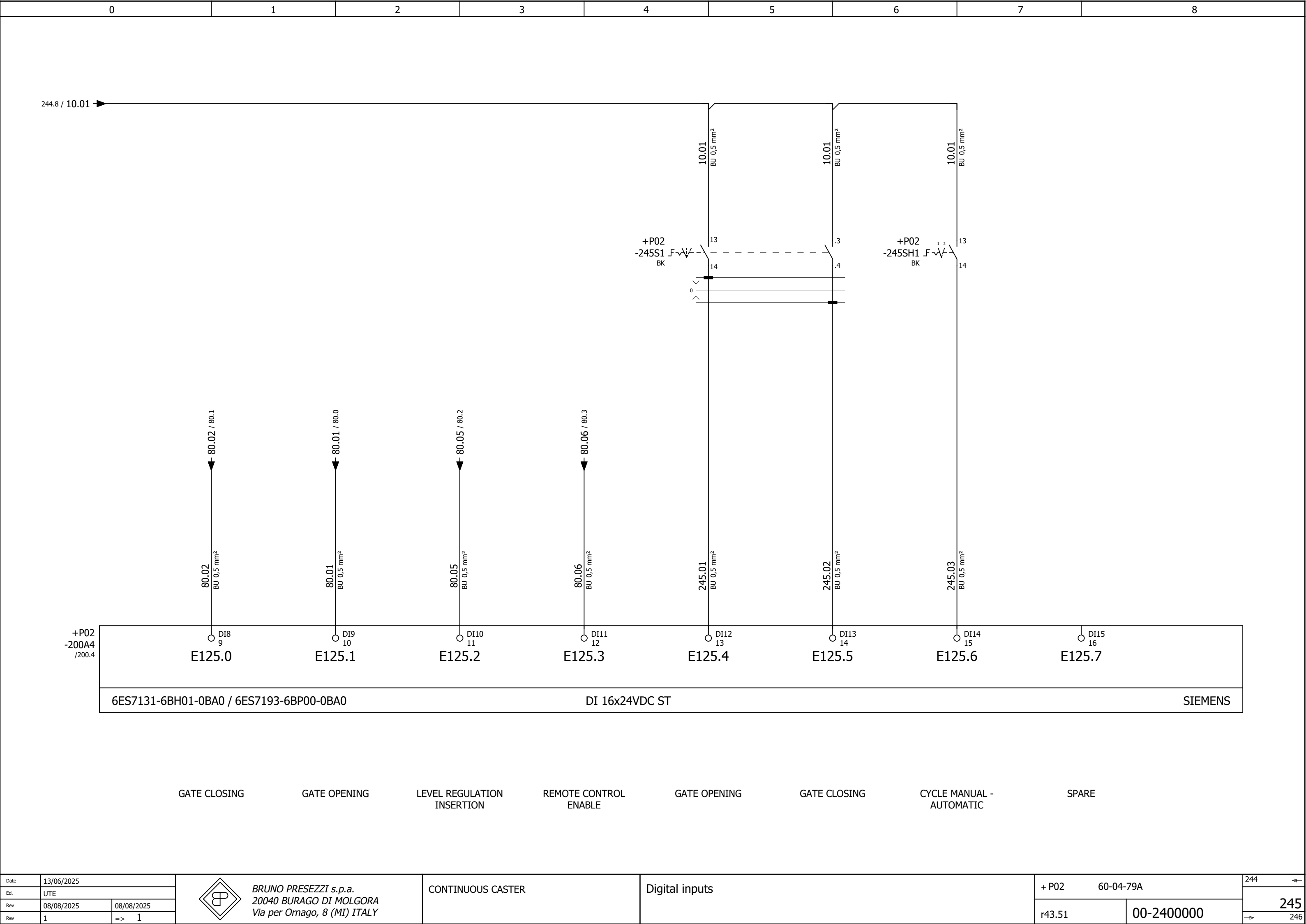
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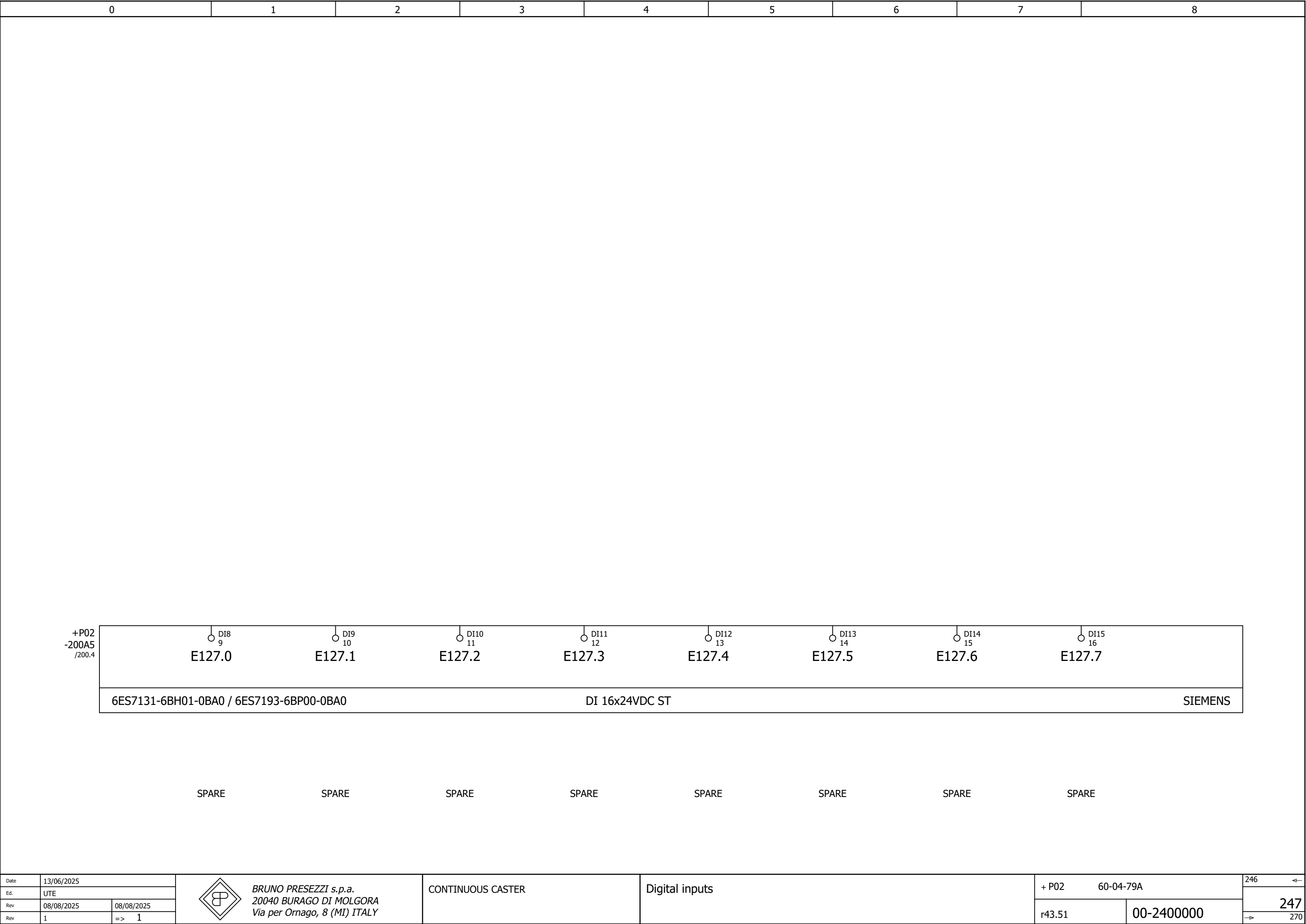
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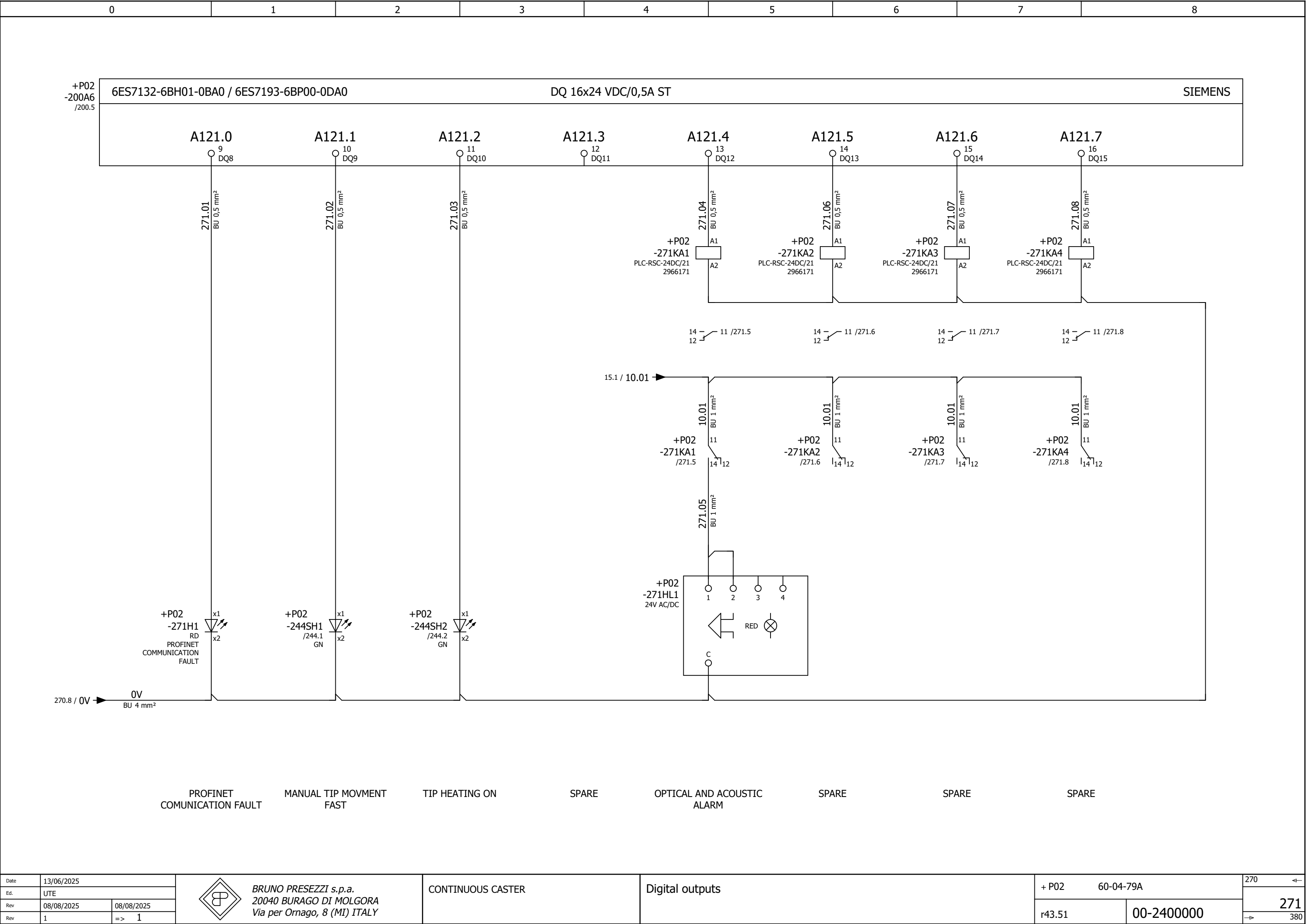
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244

245



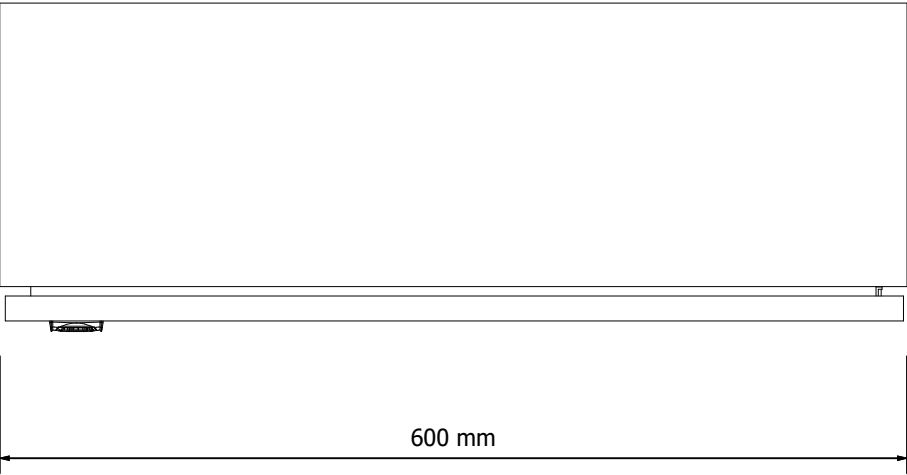
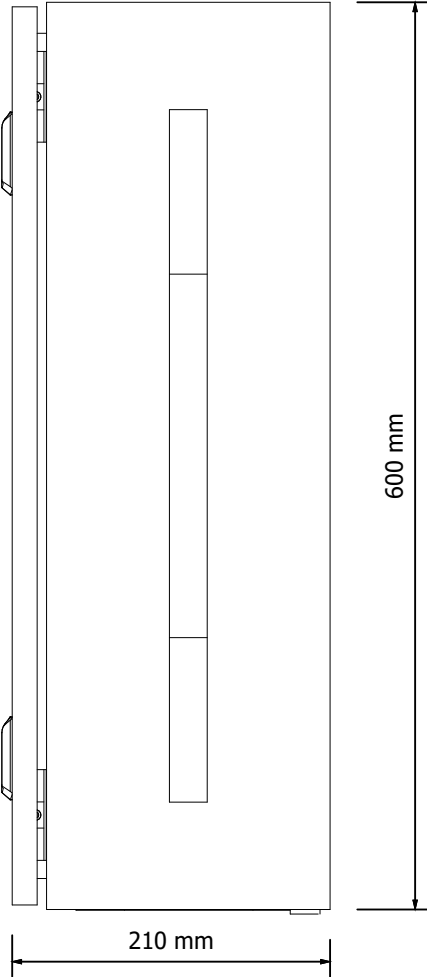
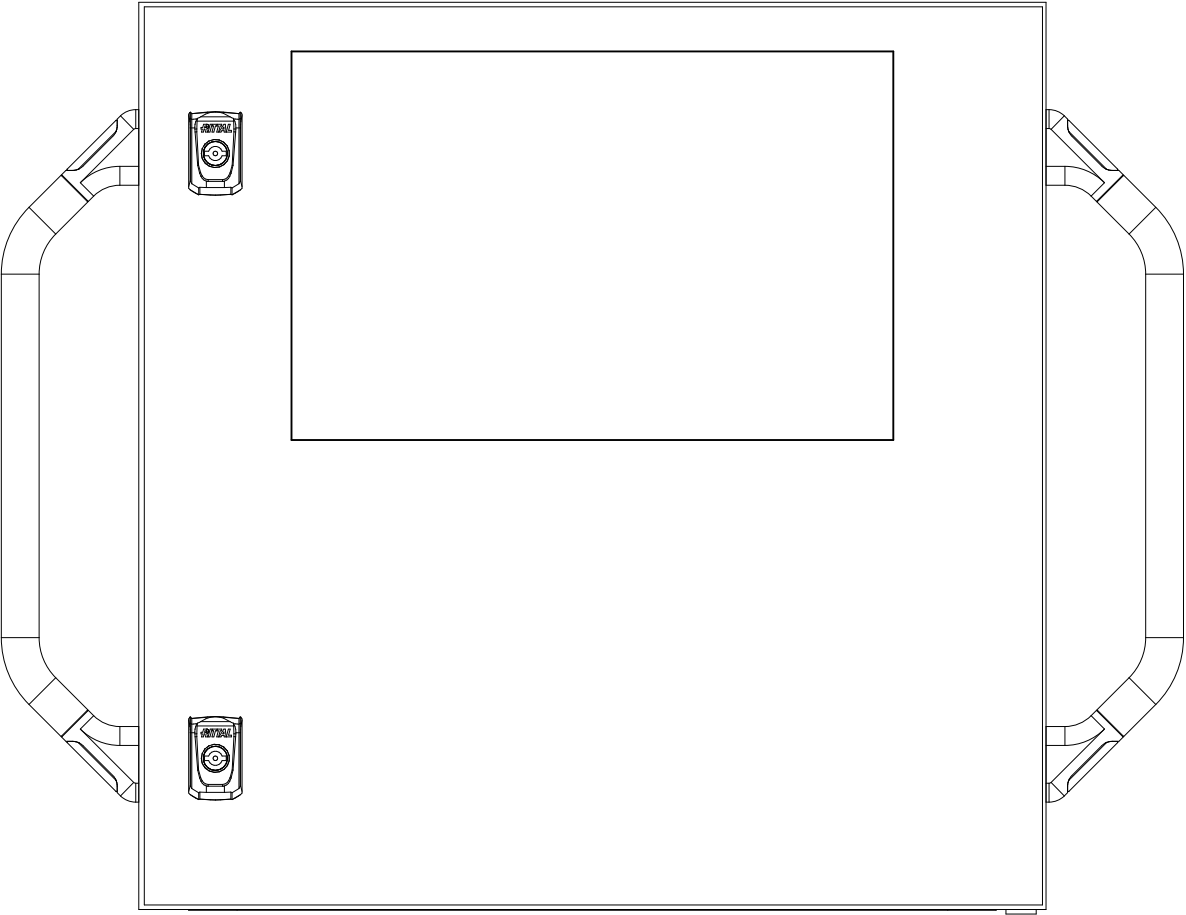




0	1	2	3	4	5	6	7	8	
<div>TERMINAL STRIP AND COTORS</div> <div>-XP02 = Power supply terminal strip</div> <div>-X24V = 24Vdc common terminal strip</div>									
Date	13/06/2025		<div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Terminal strip	+ P0260-04-79A		271	
Ed.	UTE								
Rev	08/08/2025	08/08/2025						380	
Rev	1	=> 1				r43.51	00-2400000	390	

P02

FRONT DOOR
STAINLESS STEEL



Date	13/06/2025	
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Rev	1	=> 1



BRUNO PREZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

External layout

+ P02 60-04-79A

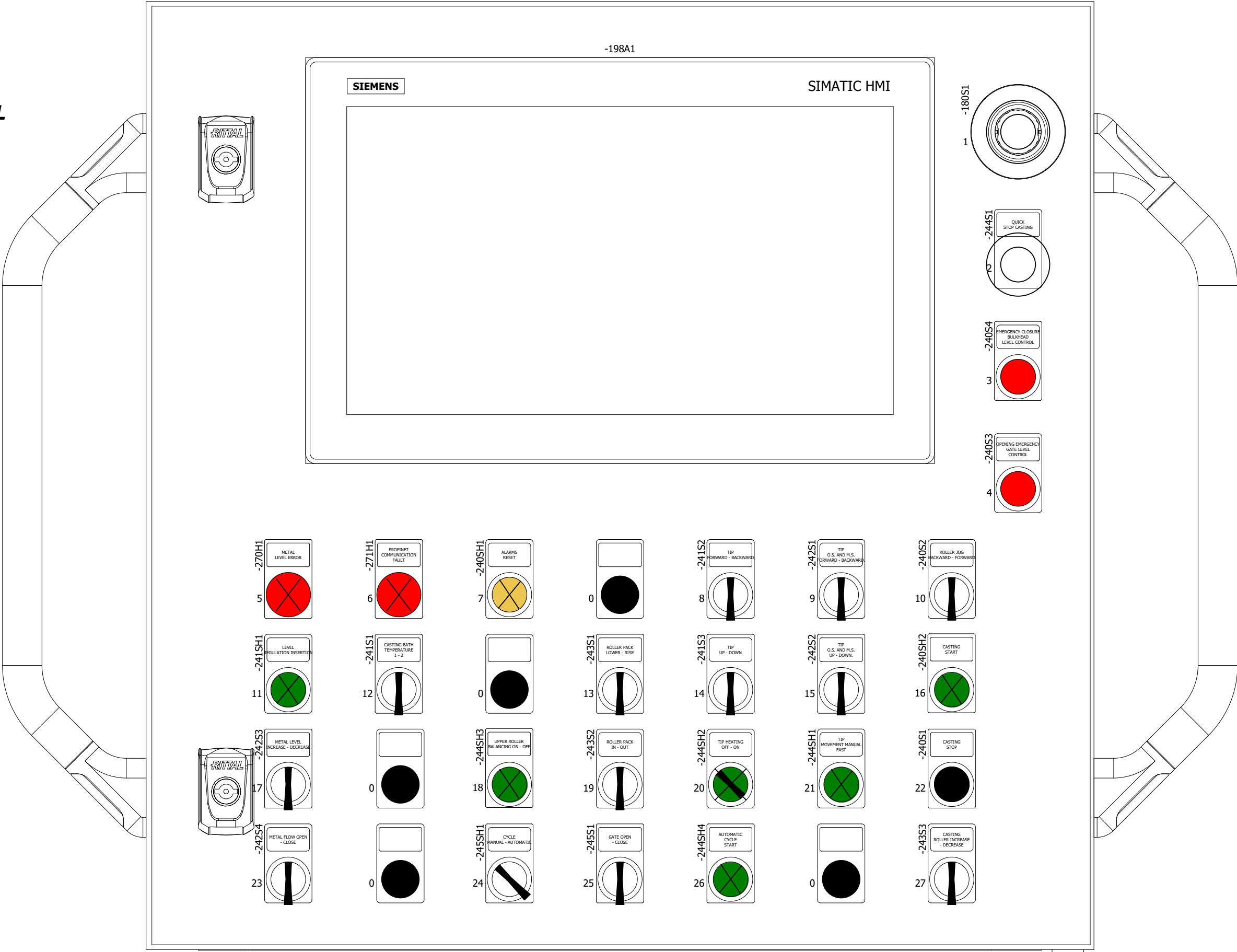
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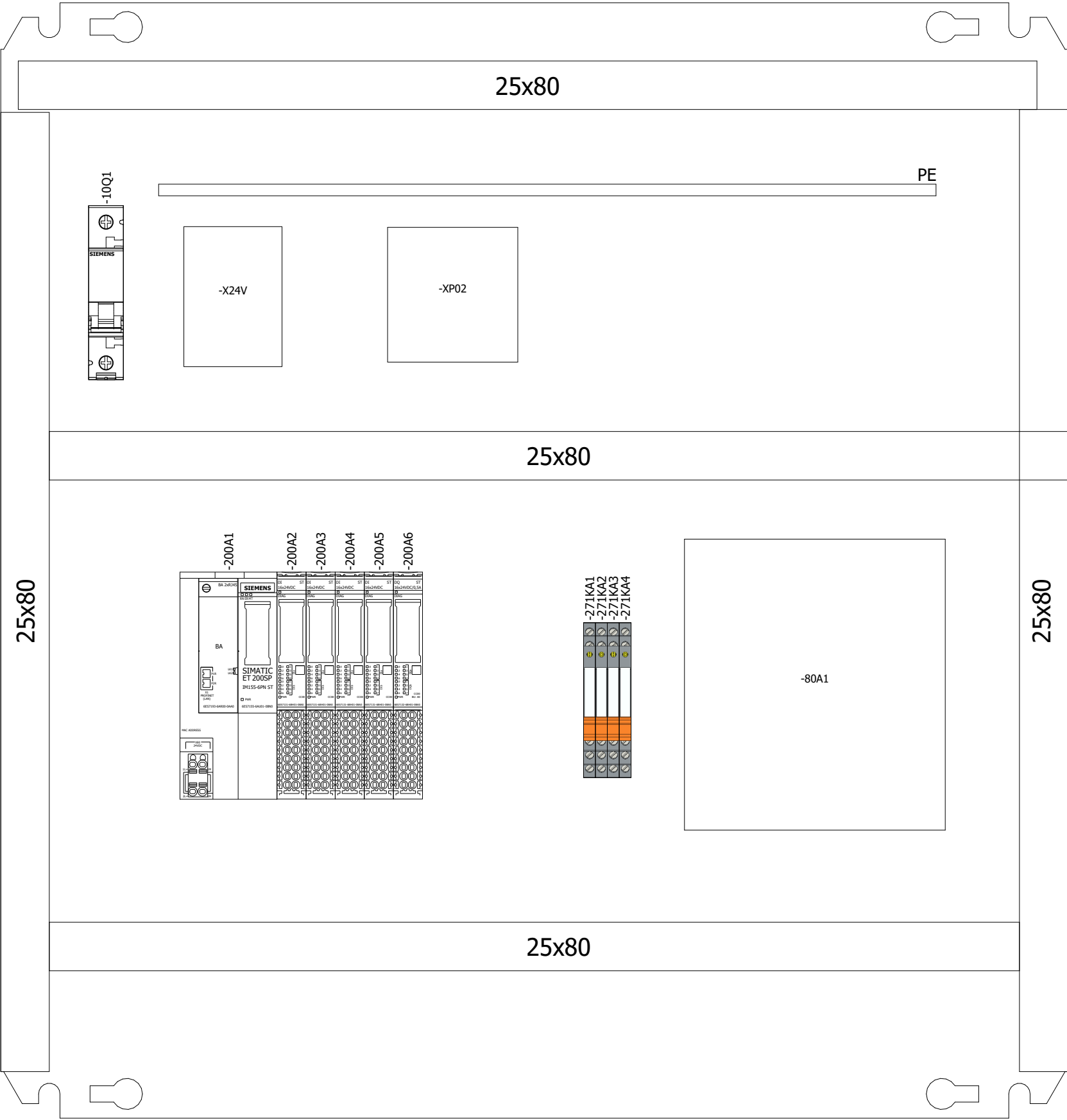
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390	
→	391

P02

FRONT DOOR
STAINLESS STEEL



-390M1



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Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Internal layout

+ P02	60-04-79A	391	←
r43.51	00-2400000	393	→
		&MOR/400	

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-XP02	3	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP02	1	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-X24V	6	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-80A1	1	Receiving Unit DCRV12	DCRV12	Autec	AUT.DCRV12
-180S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-180S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-180S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-XP02	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-198A1	1	HMI	6AV2128-3QB06-0AX1	Siemens	SIE.6AV2128-3QB06-0AX1
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A2	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A5	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A6	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A6	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-240S1	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-240S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-240S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-240S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S3	1	Pushbutton	ZB4BA4	Schneider Electric	SE.ZB4BA4
-240S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S4	1	Pushbutton	ZB4BA4	Schneider Electric	SE.ZB4BA4
-240S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240SH1	1	Pushbutton	ZB4BW383	Schneider Electric	SE.ZB4BW383
-240SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-240SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240SH2	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-240SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-240SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-241S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-241S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-241S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-241S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-241SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S1	1	Selector switch	ZB4BJ3	Schneider Electric	SE.ZB4BJ3
-242S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S2	1	Selector switch	ZB4BJ3	Schneider Electric	SE.ZB4BJ3
-242S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-242S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S4	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-242S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S4	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-243S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-243S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-243S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-243S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-244S1	1	Mushroom push button	ZB4BC2	Schneider Electric	SE.ZB4BC2
-244S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-244S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-244S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-244SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-244SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-244SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-244SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-244SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-244SH2	1	Selector switch	ZB4BK1233	Schneider Electric	SE.ZB4BK1233
-244SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-244SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-244SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-244SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-244SH3	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-244SH3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-244SH3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-244SH3	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-244SH3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-244SH4	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-244SH4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-244SH4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-244SH4	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-244SH4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-245S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-245S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-245S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-245S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-245SH1	1	Selector switch	ZB4BJ2	Schneider Electric	SE.ZB4BJ2
-245SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-245SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-245SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-270H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-270H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-270H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-270H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-271H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-271H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-271H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-271HL1	1	Base tower	XVUC21B	Schneider Electric	SE.XVUC21B
-271HL1	1	Accessory tower	XVUZ03	Schneider Electric	SE.XVUZ03
-271HL1	1	Accessory tower	XVUZ12	Schneider Electric	SE.XVUZ12
-271HL1	1	Siren tower	XVUC9S	Schneider Electric	SE.XVUC9S
-271HL1	1	LED tower	XVUC24	Schneider Electric	SE.XVUC24
-271KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-271KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-390M1	1	AX compact box	AX.1060000	Rittal	RIT.1060000
-390M1	2	U handle	CP.6107200	Rittal	RIT.6107200
-390M1	1	CP Top-mounted joint CP 180, outlet horizontal	CP.6218700	Rittal	RIT.6218700
-390M1	2	CP Support section CP 180, solid, L: 1000 mm	CP.6218100	Rittal	RIT.6218100
-390M1	1	CP Intermediate hinge CP 180	CP.6218620	Rittal	RIT.6218620
-390M1	1	CP Angle piece 90°, CP 180	CP.6218600	Rittal	RIT.6218600
-390M1	1	Adaptor	CP.6218640	Rittal	RIT.6218640
-390M1	1	CP Support section CP 120, solid, L: 2000 mm	CP.6212200	Rittal	RIT.6212200
-390M1	1	CP Coupling CP 120, for support arm connection Ø 130 mm	CP.6212300	Rittal	RIT.6212300
-391S1	5	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	5	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3
-200A1	1	IM 155-6 PN ST	6ES7155-6AU02-0BN0	Siemens	SIE.6ES7155-6AU02-0BN0
-200A1	1	Bus adapter	6ES7193-6AR00-0AA0	Siemens	SIE.6ES7193-6AR00-0AA0

AL INVEST

Designation system	CONTINUOUS CASTER	Job	: 00-2400000
Mounting location:	P03 BOX PINCH-ROLL - SHEAR	Drawing	: 60-04-80A

Power supply	400Vac 50Hz
Input lead	3ph + PE
Auxiliary voltage	230Vac - 24Vdc
Year of manufacture	2025

5		
4		
3		
2		
1	08/08/2025	SECOND ISSUED
0	13/06/2025	FIRST ISSUED
Rev.	Date	Description

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WIRES COLOR TABLE









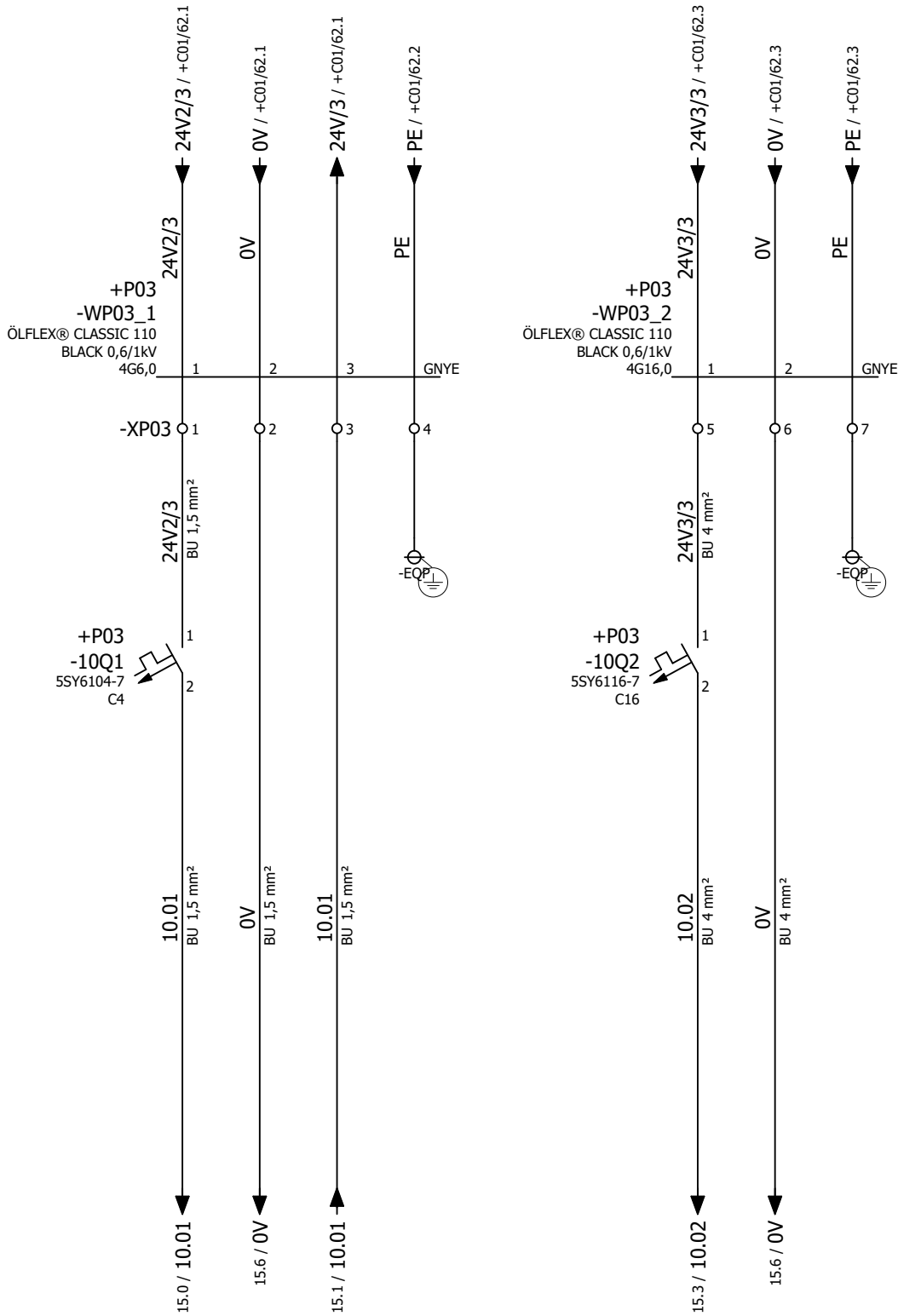
 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

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Assignment	Page	Page description	Revision	Edited by
+P03		BOX PINCH-ROLL - SHEAR		
	1	COVER	1	UTE
	2	WIRES COLOR TABLE	1	UTE
	4	Table of contents	1	UTE
	4.a	Table of contents	1	UTE
	10	Supply Line	1	UTE
	15	Distribution 24Vdc	1	UTE
	200	PLC	1	UTE
	210	Digital safety input	1	UTE
	211	Digital safety input	1	UTE
	240	Digital inputs	1	UTE
	241	Digital inputs	1	UTE
	242	Digital inputs	1	UTE
	243	Digital inputs	1	UTE
	260	Analog input	1	UTE
	270	Digital outputs	1	UTE
	271	Digital outputs	1	UTE
	272	Digital outputs	1	UTE
	273	Digital outputs	1	UTE
	274	Digital outputs	1	UTE
	275	Digital outputs	1	UTE
	285	Input TM Count	1	UTE
	290	Analog output	1	UTE
	380	Terminal strip	1	UTE
	390	External layout	1	UTE
	391	External layout	1	UTE
	393	Internal layout	1	UTE
	394	Layout +JB19	1	UTE
	395	Layout +JB20	1	UTE

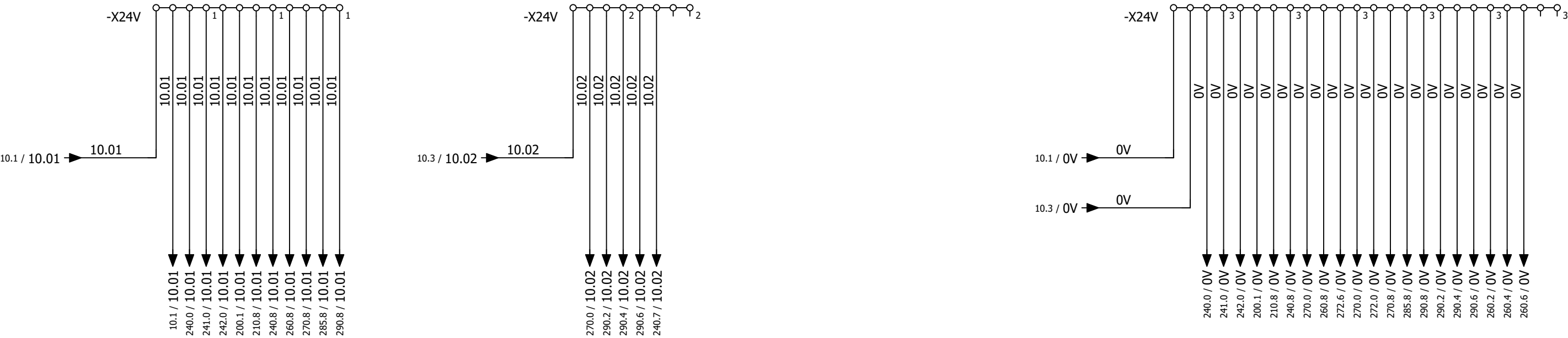
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Assignment	Page	Page description	Revision	Edited by
+P03		BOX PINCH-ROLL - SHEAR		
	396	Layout +JB26	1	UTE
	400	Terminal diagram =+P03-X19	1	UTE
	401	Terminal diagram =+P03-X20	1	UTE
	402	Terminal diagram =+P03-X24V	1	UTE
	403	Terminal diagram =+P03-X26	1	UTE
	404	Terminal diagram =+P03-X53	1	UTE
	404.a	Terminal diagram =+P03-X53	1	UTE
	404.b	Terminal diagram =+P03-X53	1	UTE
	405	Terminal diagram =+P03-XA	1	UTE
	406	Terminal diagram =+P03-XP03	1	UTE
	407	Terminal diagram =+P03-XP07	1	UTE
	408	Terminal diagram =+P03-XP08	1	UTE
	409	Terminal diagram =+P03-XP10	1	UTE
	410	Terminal diagram =+JB19-X19	1	UTE
	411	Terminal diagram =+JB20-X20	1	UTE
	412	Terminal diagram =+JB26-X26	1	UTE
	412.a	Terminal diagram =+JB26-X26	1	UTE
	412.b	Terminal diagram =+JB26-X26	1	UTE
	412.c	Terminal diagram =+JB26-X26	1	UTE
	413	Terminal diagram =+JB26-X26.A	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE
	500.c	Parts list	1	UTE

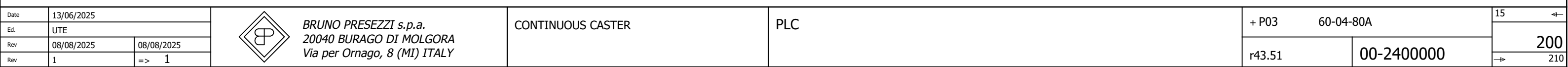


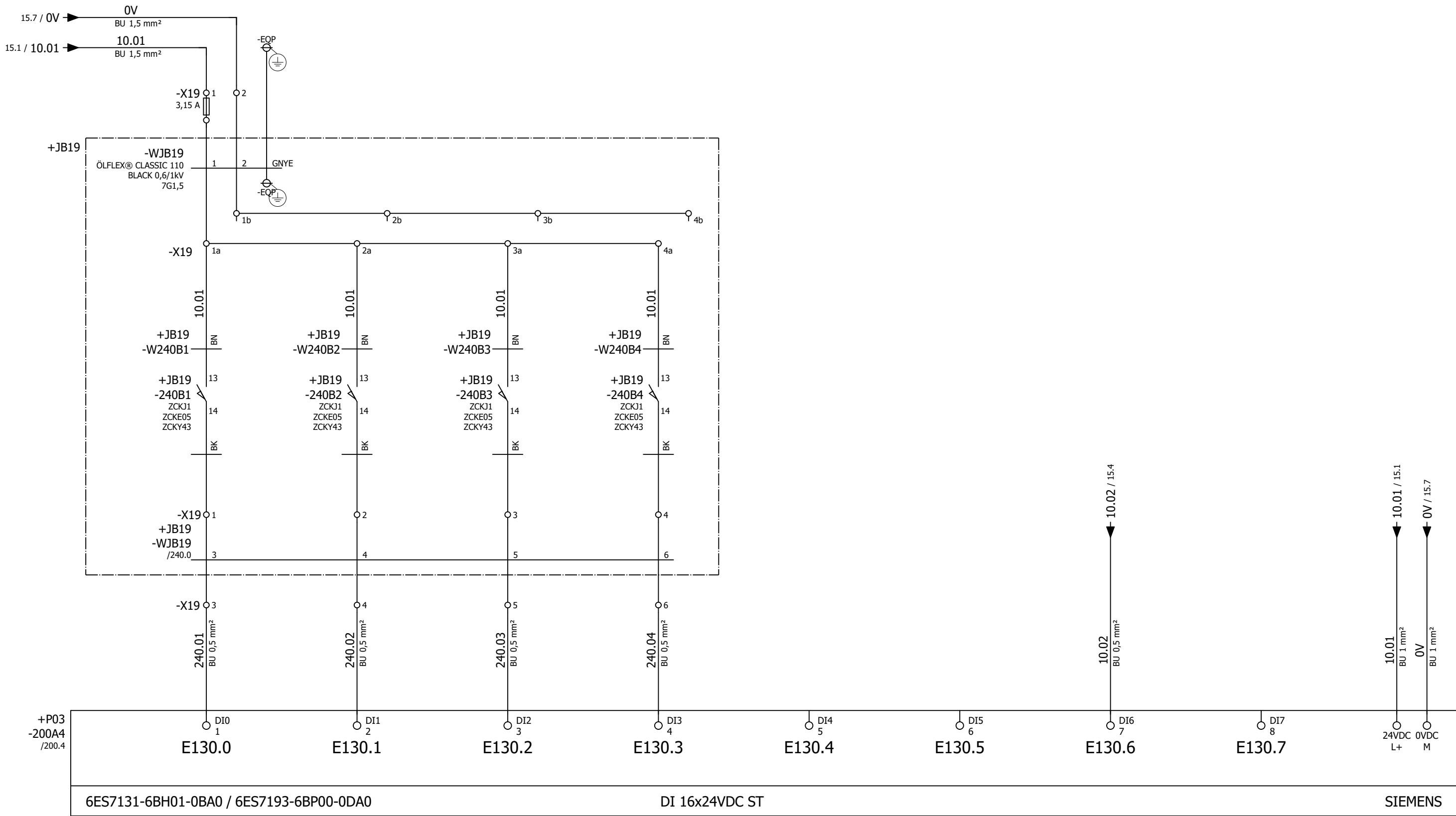
POWER SUPPLY 24VDC PLC
P03

POWER SUPPLY 24VDC
VALVES P03



DISTRIBUTION 24Vdc P03





PINCH ROLL 2 UPPER
ROLL HIGH

PINCH ROLL 2 UPPER
ROLL LOW

PINCH ROLL 2 LOWER
ROLL HIGH

PINCH ROLL 2 LOWER
ROLL LOW

SPARE

SPARE

POWER SUPPLY 24VDC
VALVES

SPARE

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1

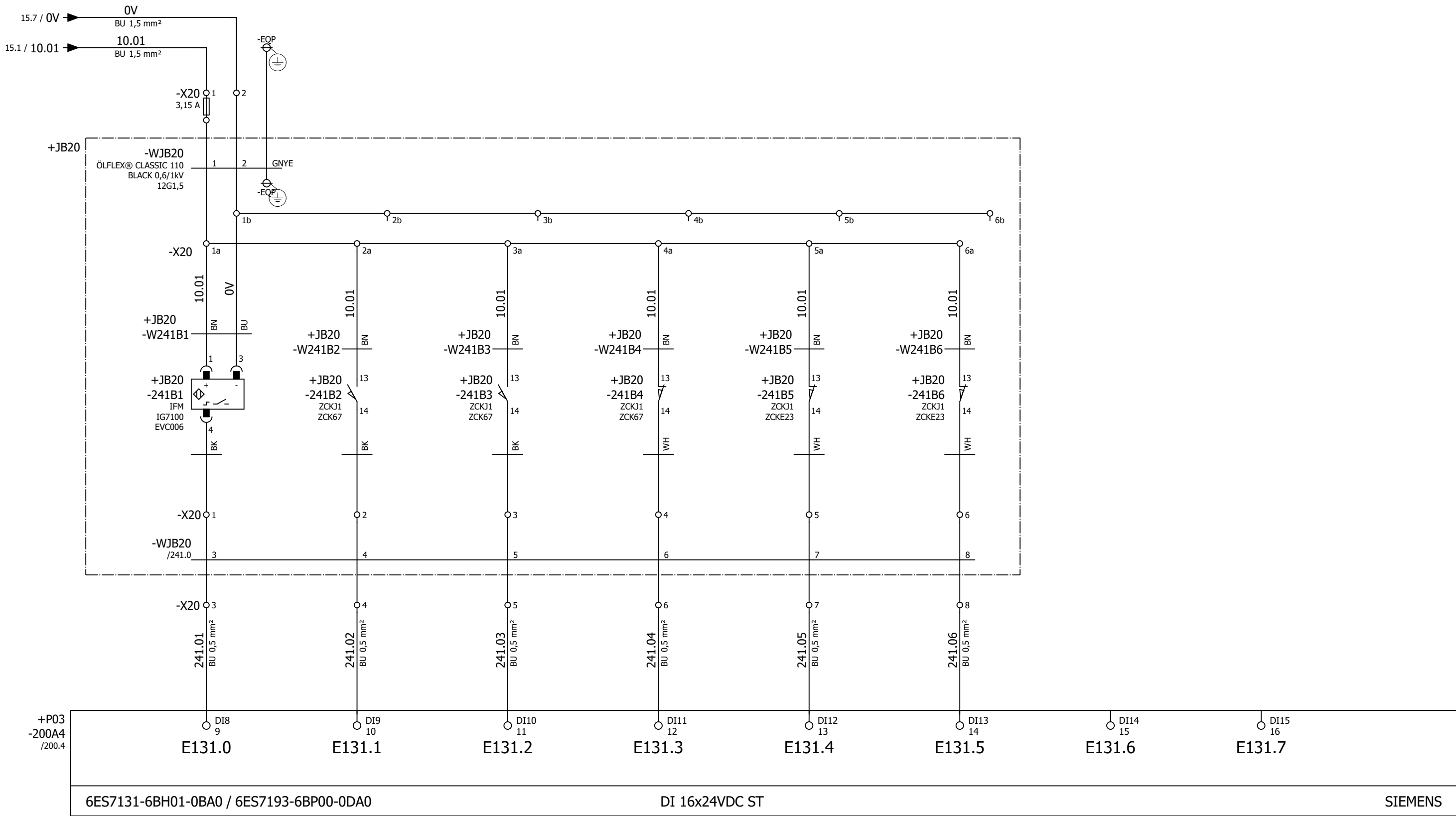


BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ P03 60-04-80A		211	←
r43.51		240	
00-2400000		241	→



SHEAR OUTPUT TABLE
LOW LIMIT SWITCH

SHEAR BLADE HIGH
POSITION LIMIT
SWITCH

SHEAR BLADE
INTERMEDIATE
POSITION LIMIT
SWITCH

SHEAR BLADE LOW
POSITION LIMIT
SWITCH

SHEAR TRANSLATION
FORWARD LIMIT
SWITCH

SHEAR TRANSLATION
BACKWARD LIMIT
SWITCH

SPARE

SPARE

Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ P03 60-04-80A

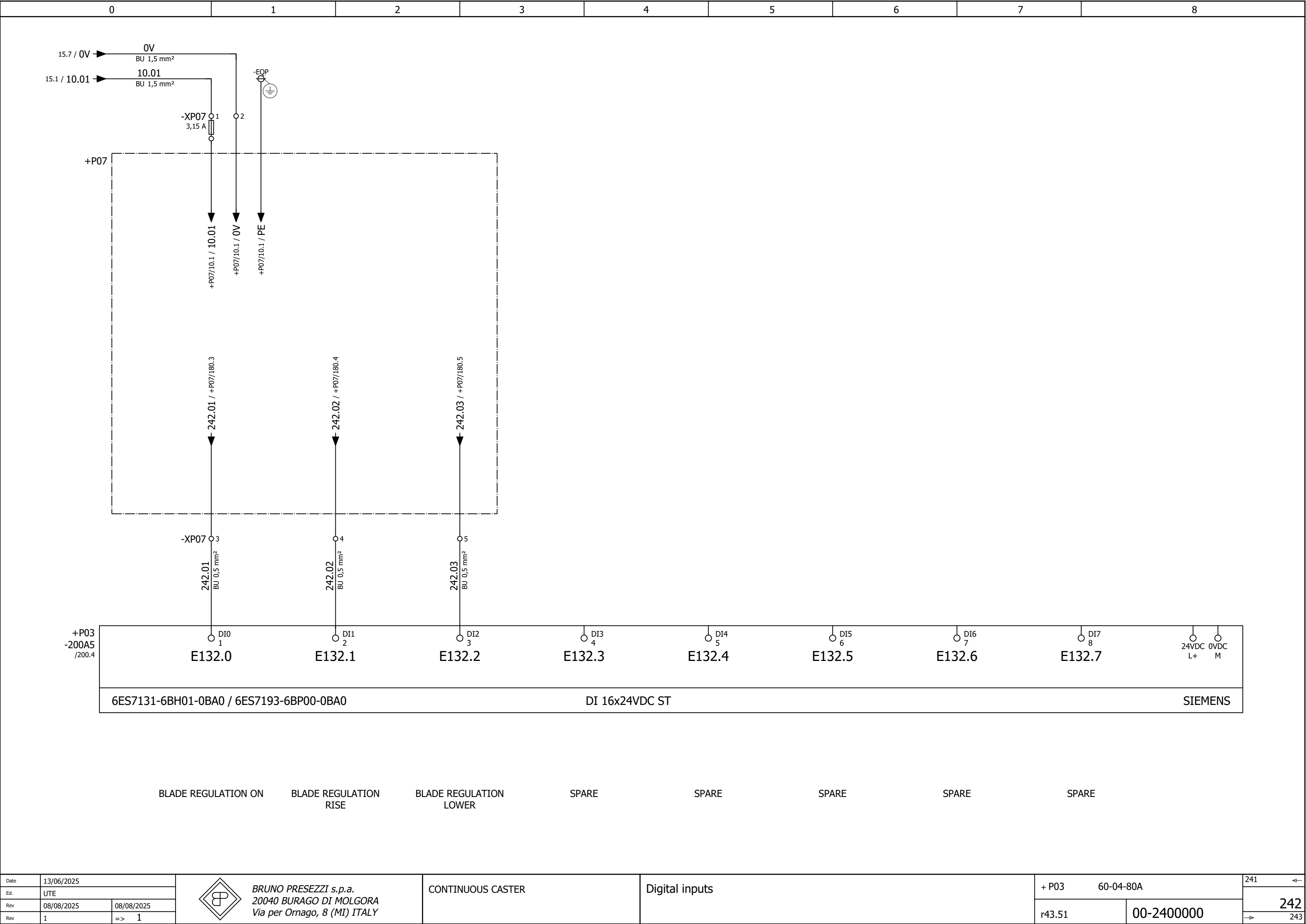
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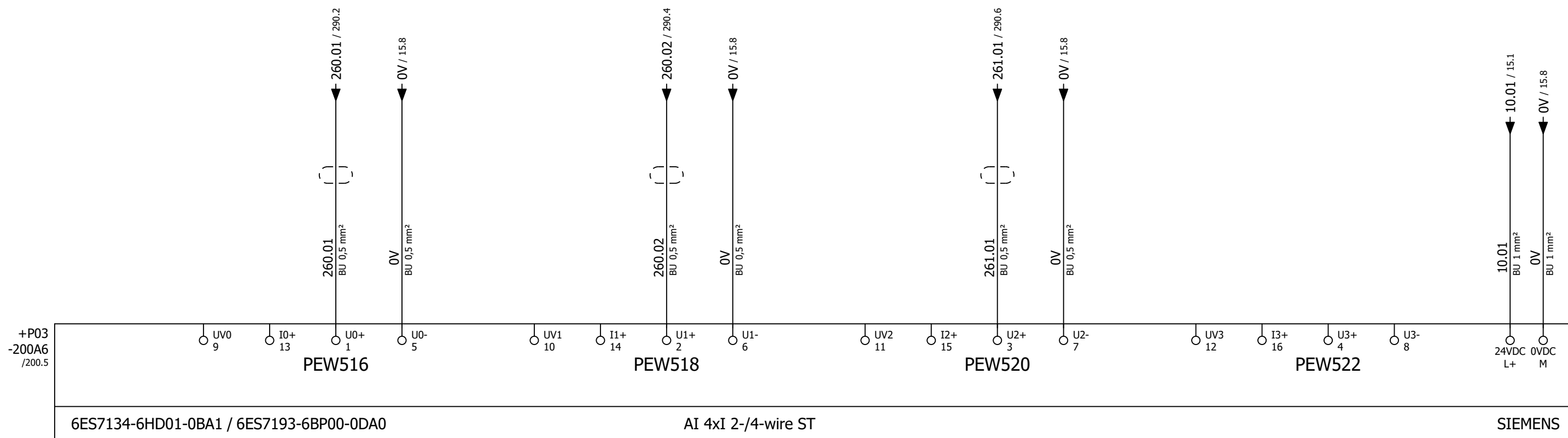
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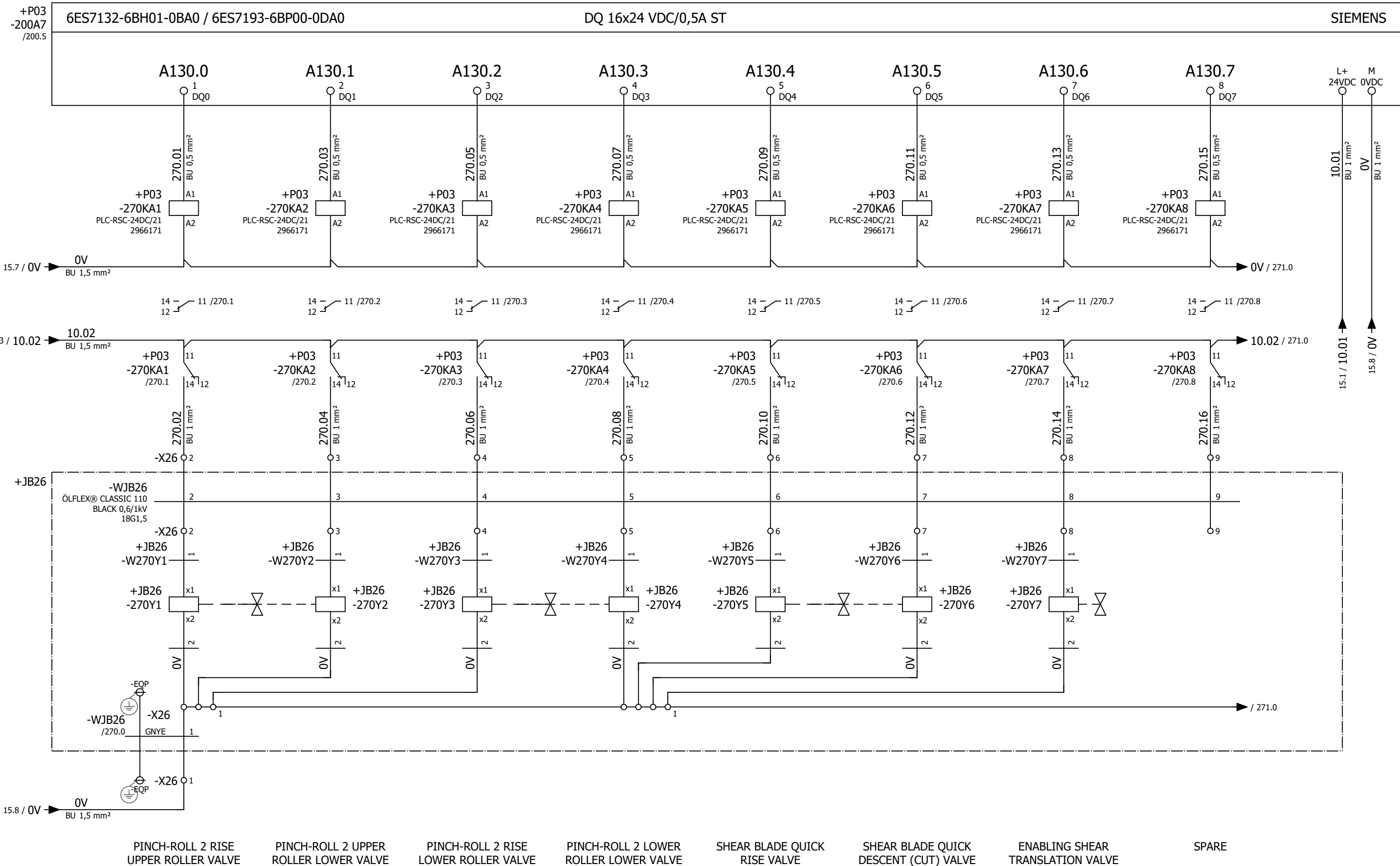
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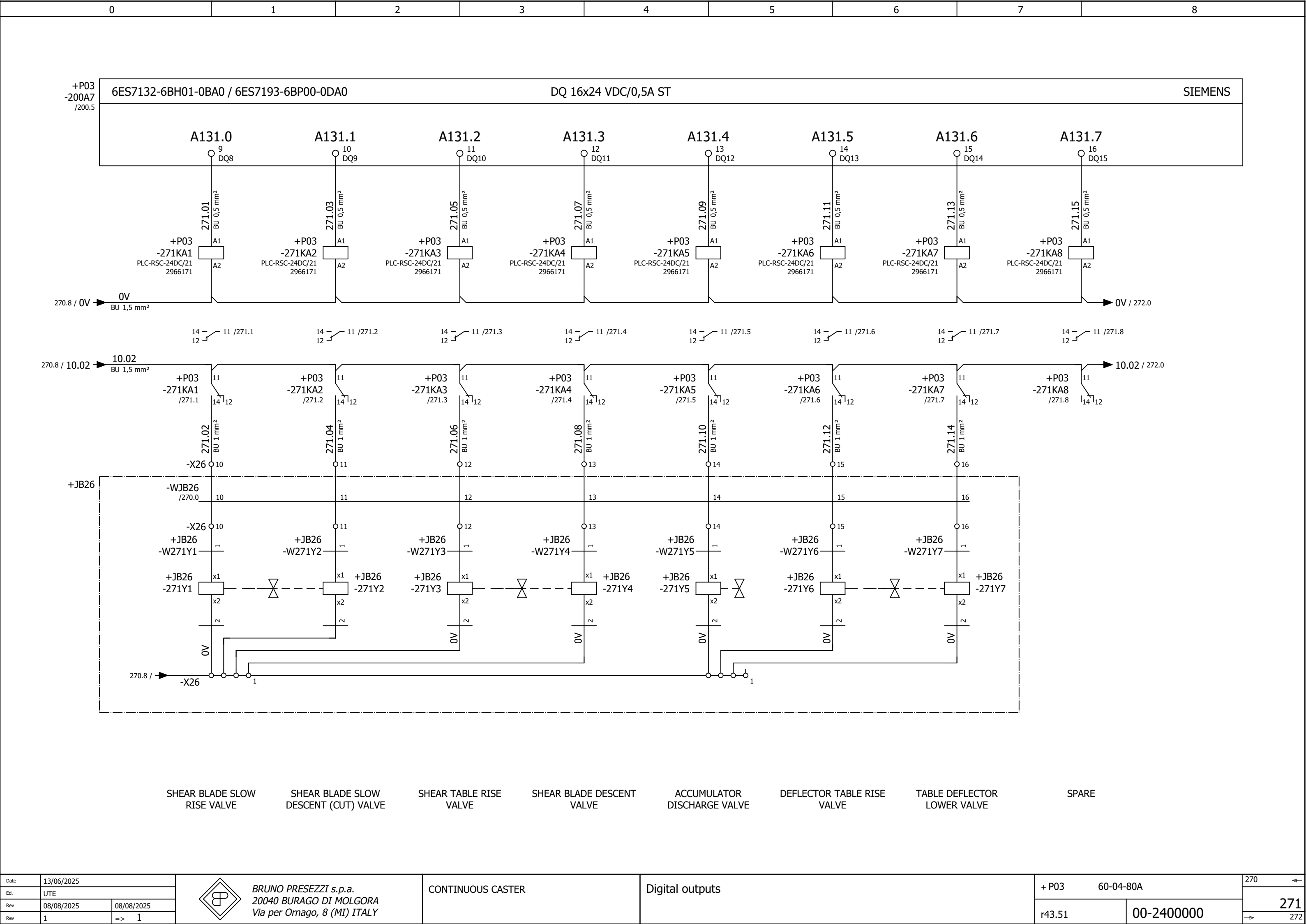
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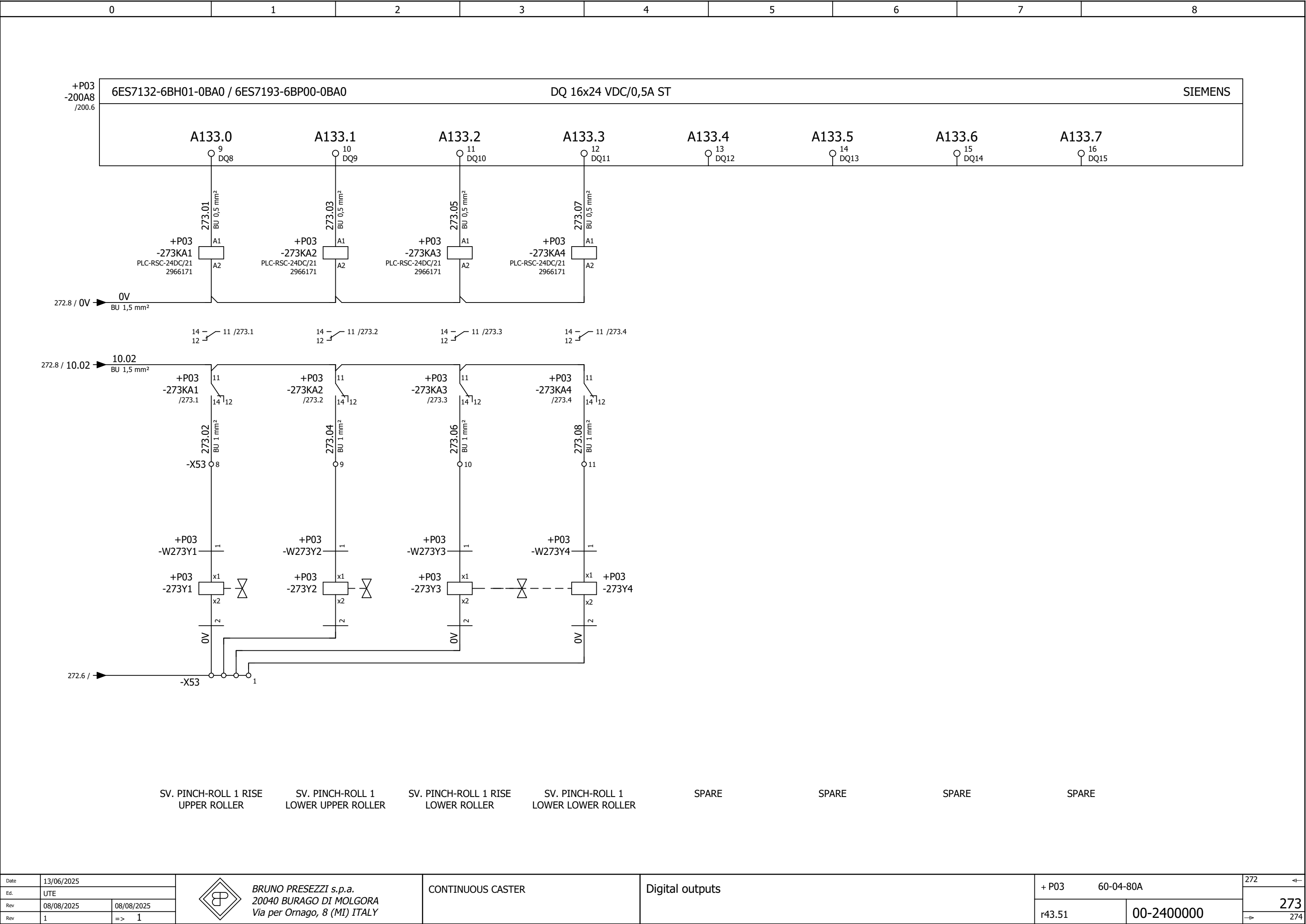
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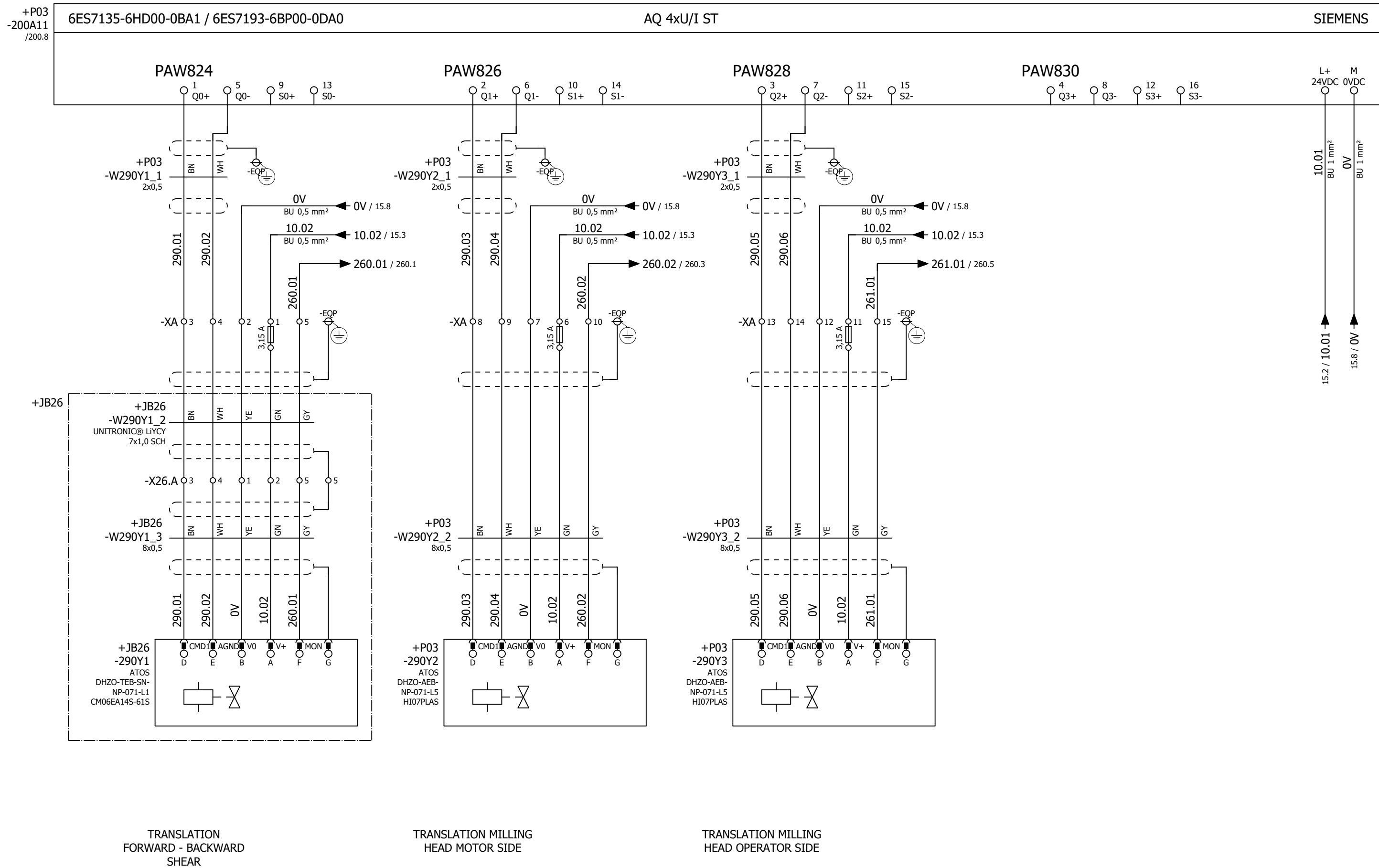




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+P03 -200A9 /200.7	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0										DQ 16x24 VDC/0,5A ST				SIEMENS		
	A134.0 <div><div>1</div>DQ0</div>		A134.1 <div><div>2</div>DQ1</div>		A134.2 <div><div>3</div>DQ2</div>		A134.3 <div><div>4</div>DQ3</div>		A134.4 <div><div>5</div>DQ4</div>		A134.5 <div><div>6</div>DQ5</div>		A134.6 <div><div>7</div>DQ6</div>		A134.7 <div><div>8</div>DQ7</div>		L+ 24VDC M 0VDC
SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE			

Date	13/06/2025		<div><div><div></div></div></div> <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Digital outputs	+ P03 60-04-80A		273	←		
Ed.	UTE							274			
Rev	08/08/2025	08/08/2025									→
Rev	1	=> 1				r43.51	00-2400000	275			

0		1		2		3		4		5		6		7		8																
+P03 -200A9 /200.7	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0																DQ 16x24 VDC/0,5A ST		SIEMENS													
	A135.0				A135.1				A135.2				A135.3				A135.4				A135.5				A135.6				A135.7			
	<div><div></div><div>9</div><div>DQ8</div></div>				<div><div></div><div>10</div><div>DQ9</div></div>				<div><div></div><div>11</div><div>DQ10</div></div>				<div><div></div><div>12</div><div>DQ11</div></div>				<div><div></div><div>13</div><div>DQ12</div></div>				<div><div></div><div>14</div><div>DQ13</div></div>				<div><div></div><div>15</div><div>DQ14</div></div>				<div><div></div><div>16</div><div>DQ15</div></div>			
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Date		13/06/2025				<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>				CONTINUOUS CASTER				Digital outputs				+ P03				60-04-80A				274		←				
Ed.		UTE																r43.51				00-2400000				275						
Rev		08/08/2025		08/08/2025																												
Rev		1		=>														1										→		285		



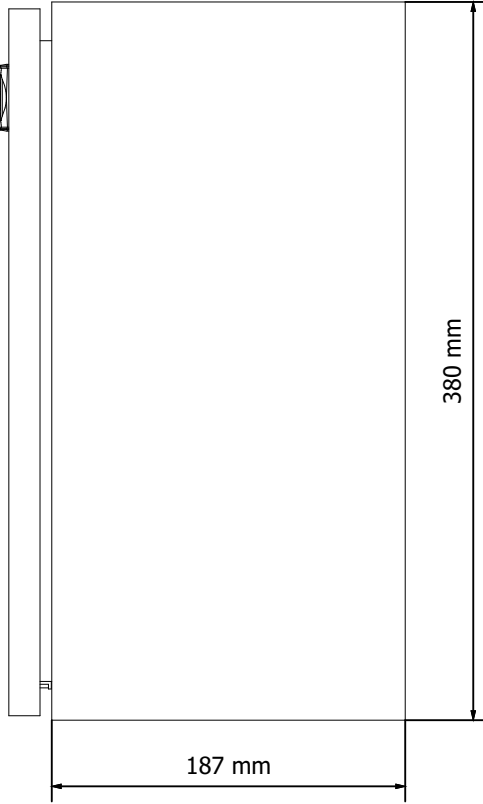
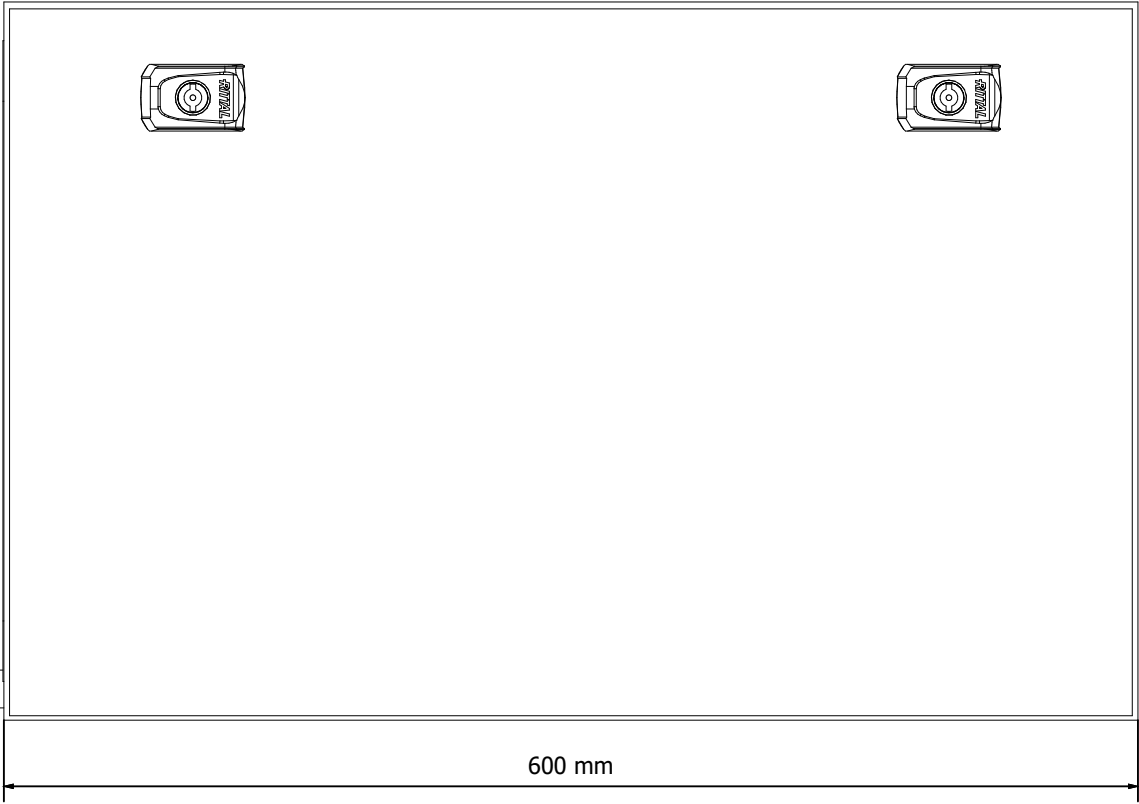
TERMINAL STRIP AND COTORS

- XP03 = Power supply terminal strip
- XP07 = Power supply terminal strip
- XP08 = Emergency signal terminal strip
- XP10 = Emergency signal terminal strip
- X24V = 24Vdc common terminal strip
- XA = Analog signal terminal strip
- X19 = Signal JB19 terminal strip
- X20 = Signal JB20 terminal strip
- X26 = Signal JB26 terminal strip
- X53 = Solenoid valve terminal strip

+JB19
-X19 = Signal JB19 terminal strip
+JB20
-X20 = Signal JB20 terminal strip
+JB26
-X26 = Signal JB26 terminal strip
-X26.A = Analog signal JB26 terminal strip

P03

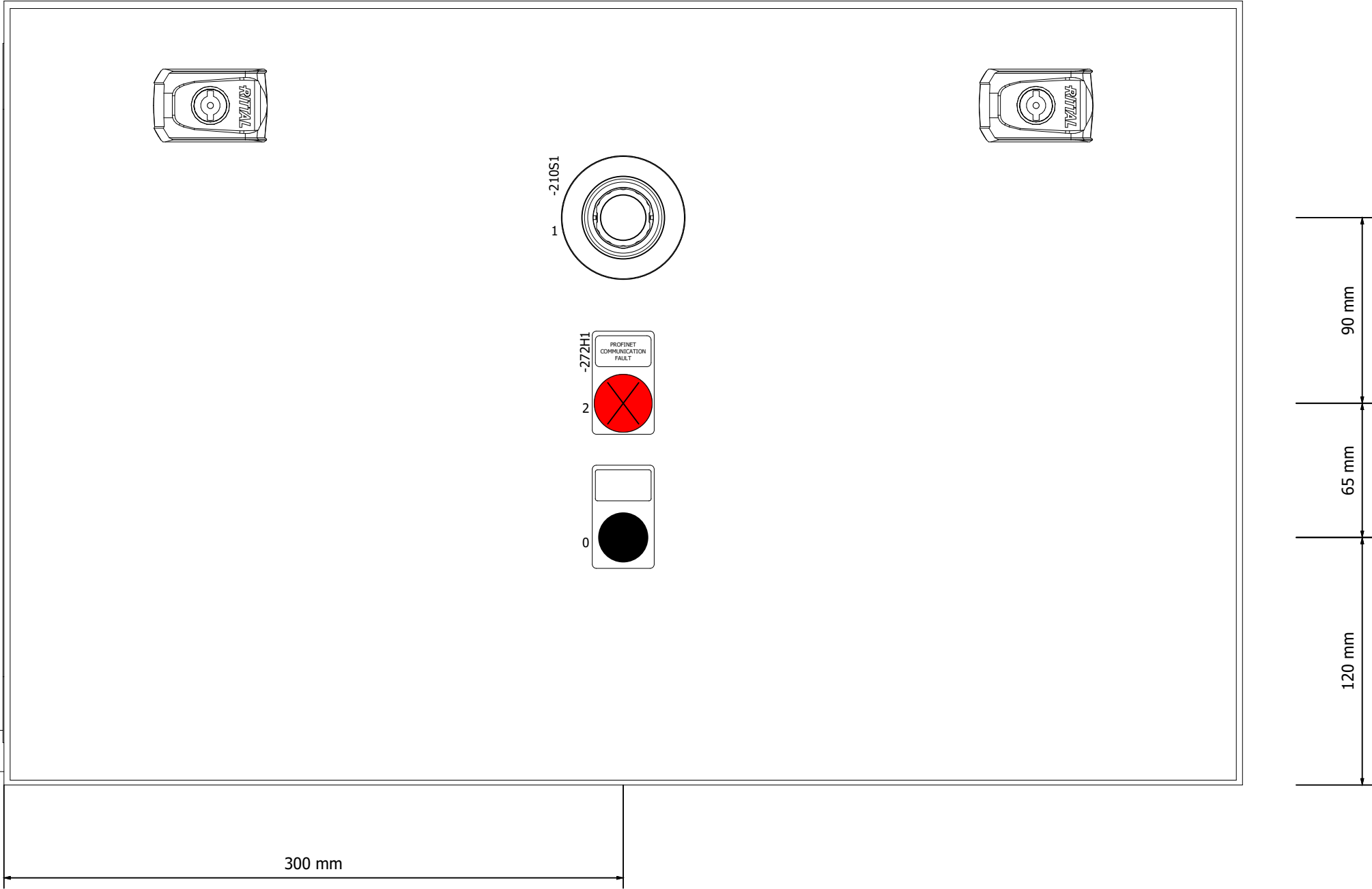
FRONT DOOR
STAINLESS STEEL



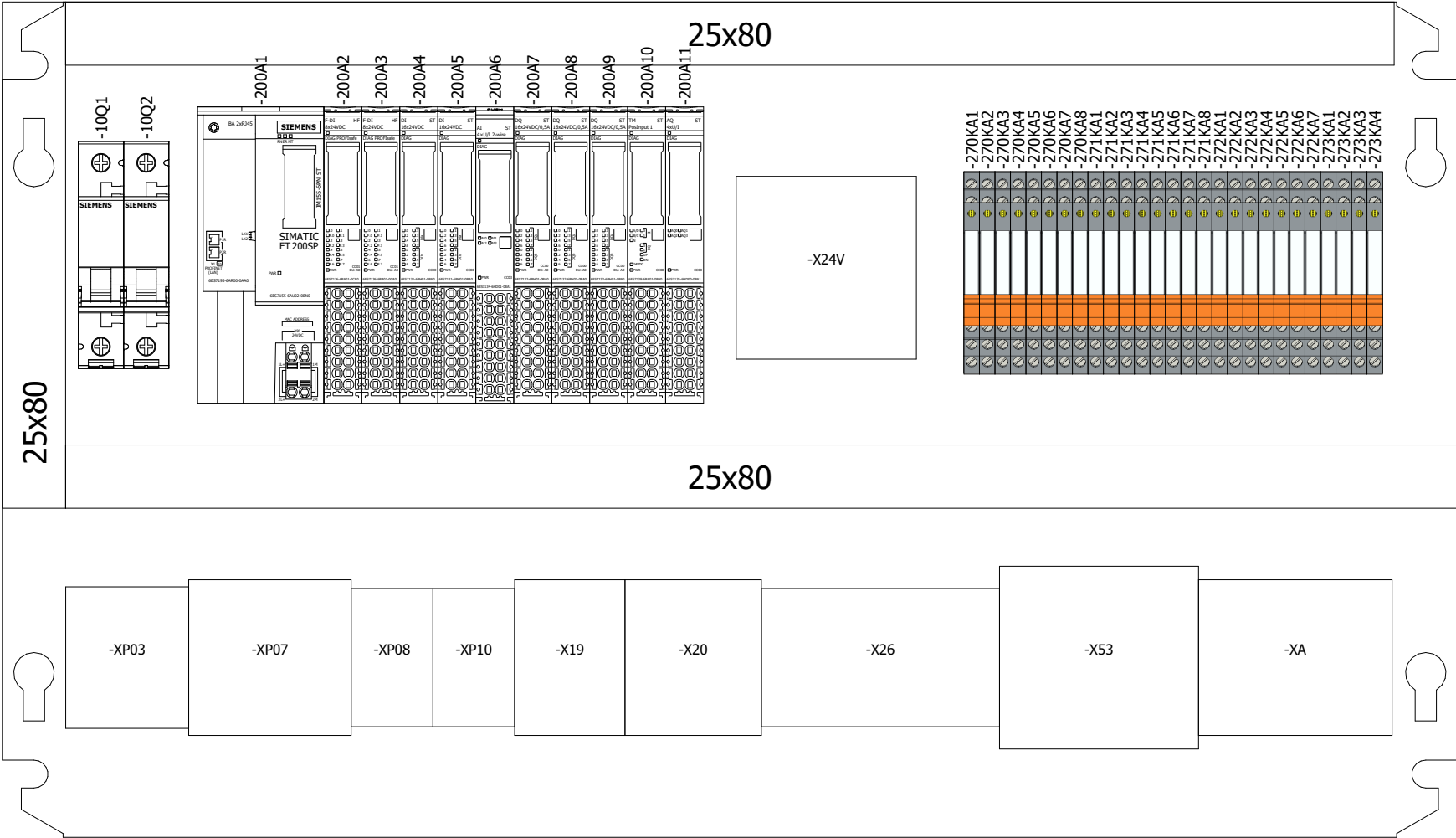
P03

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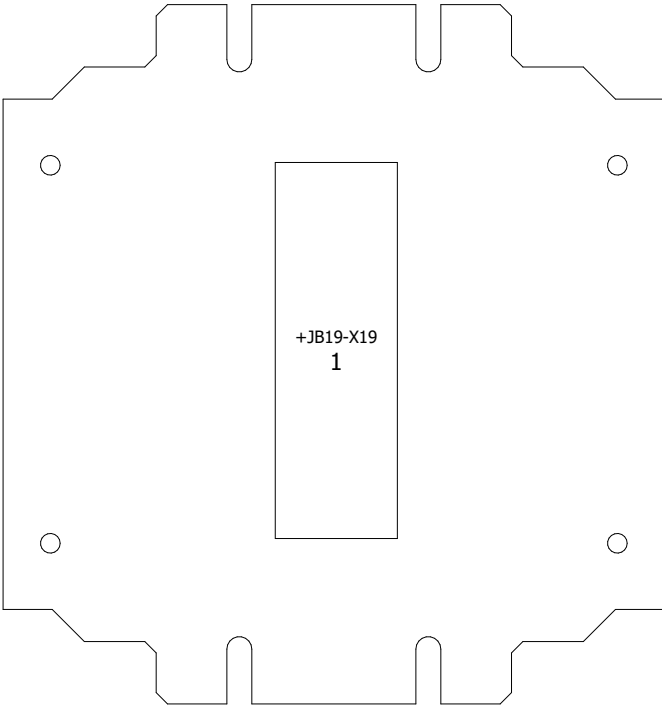
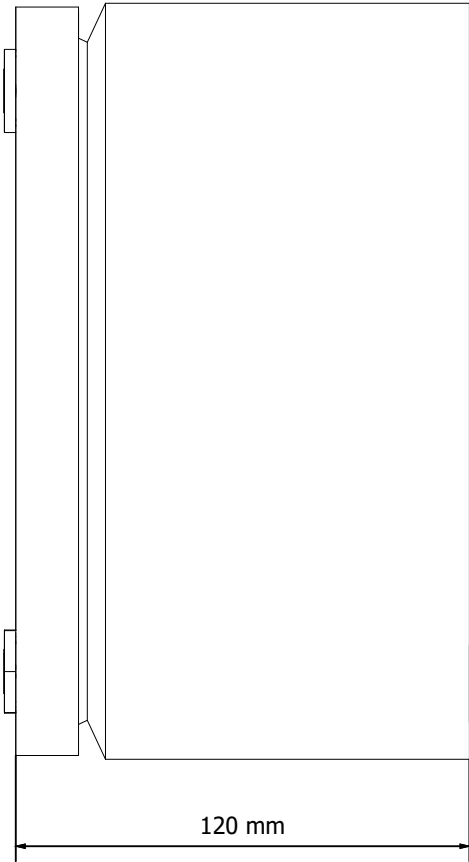
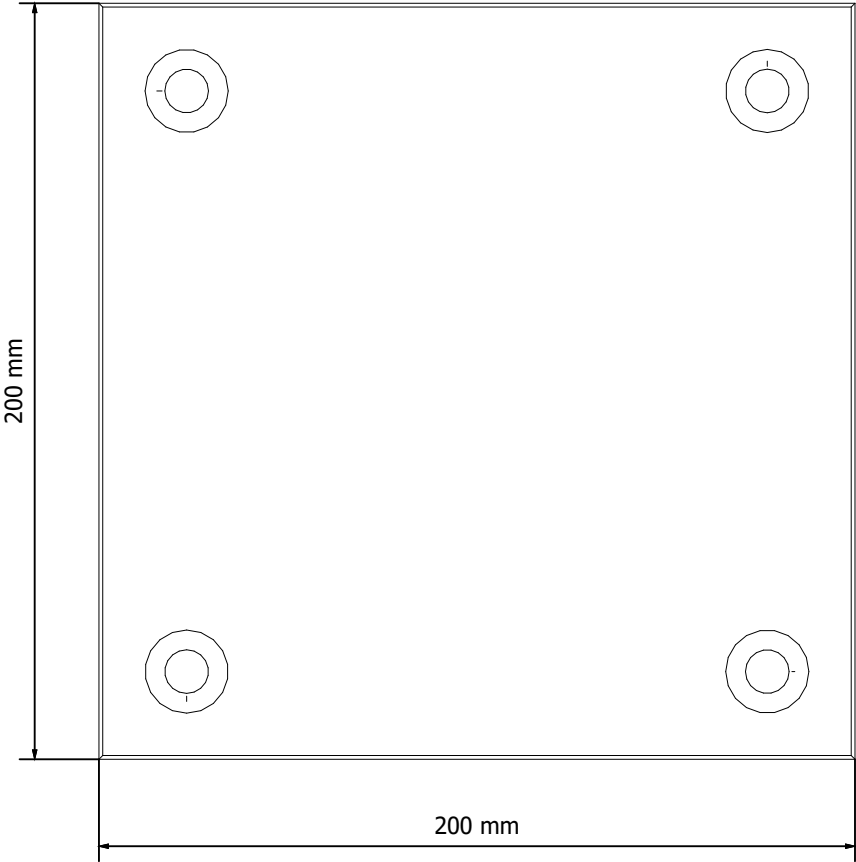
STAINLESS STEEL



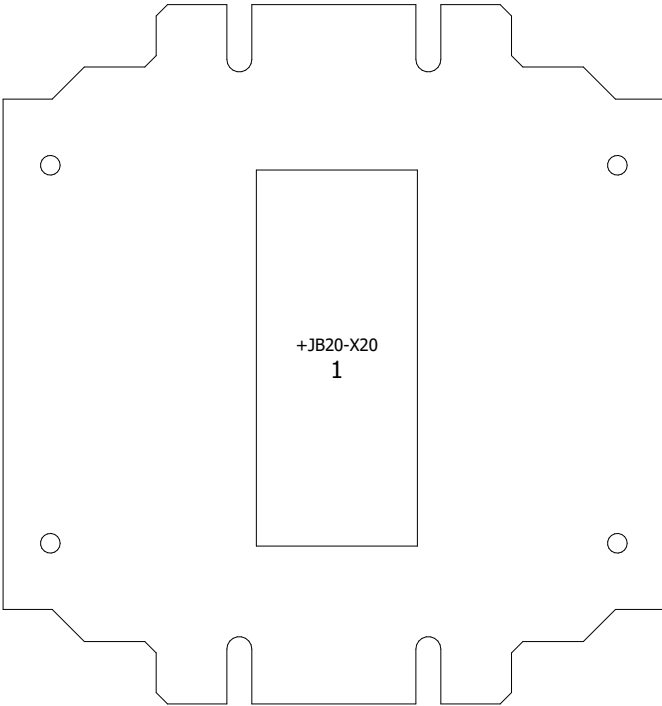
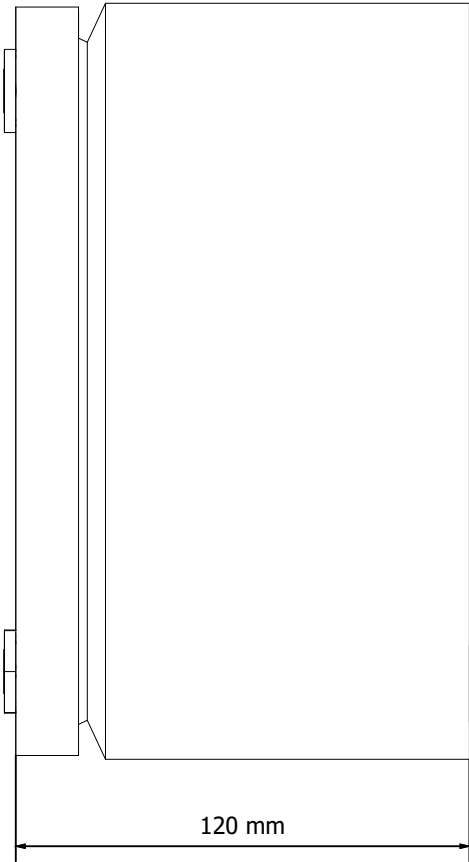
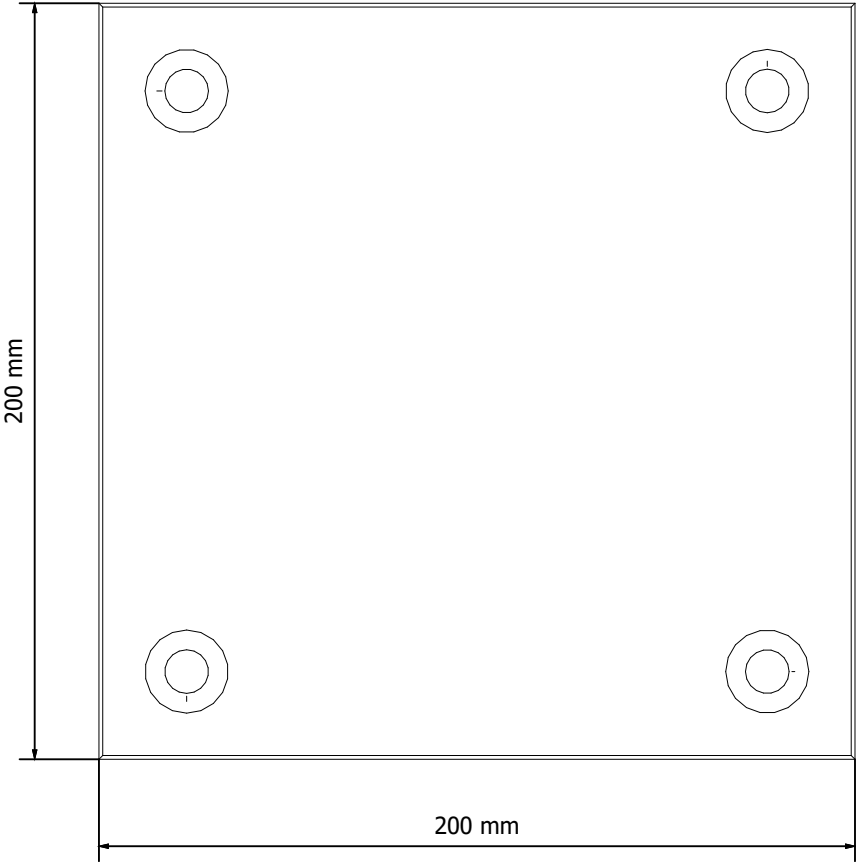
P03



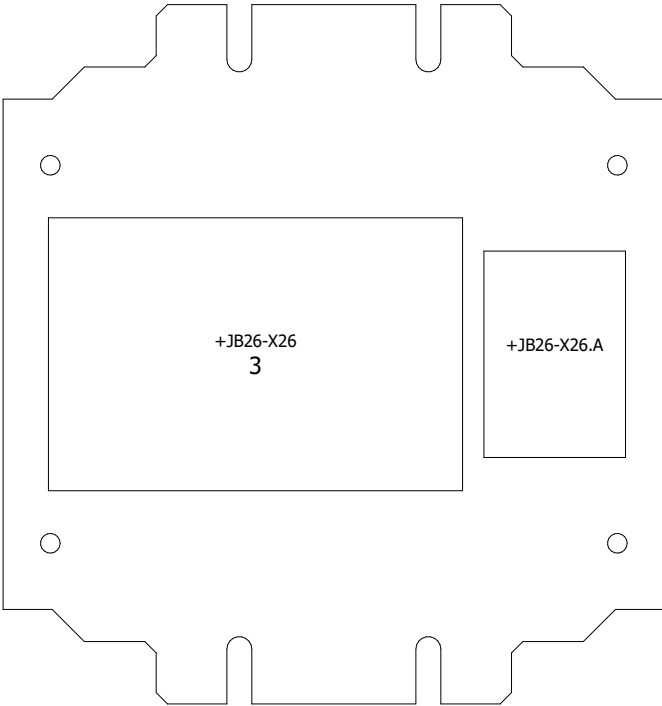
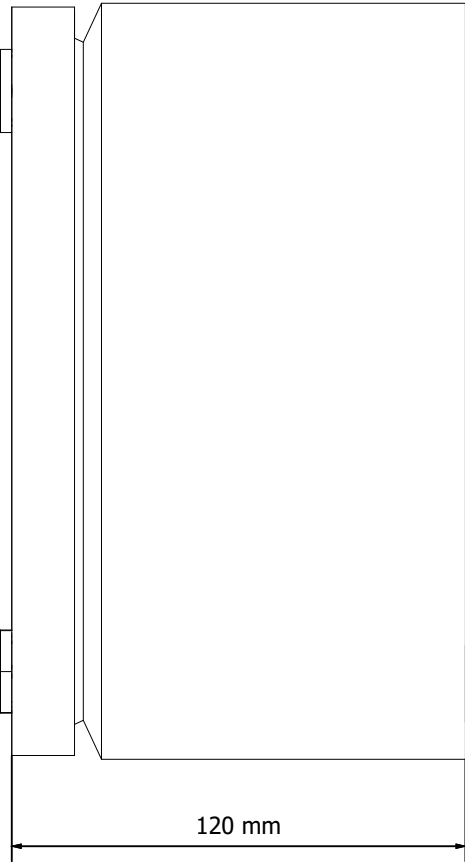
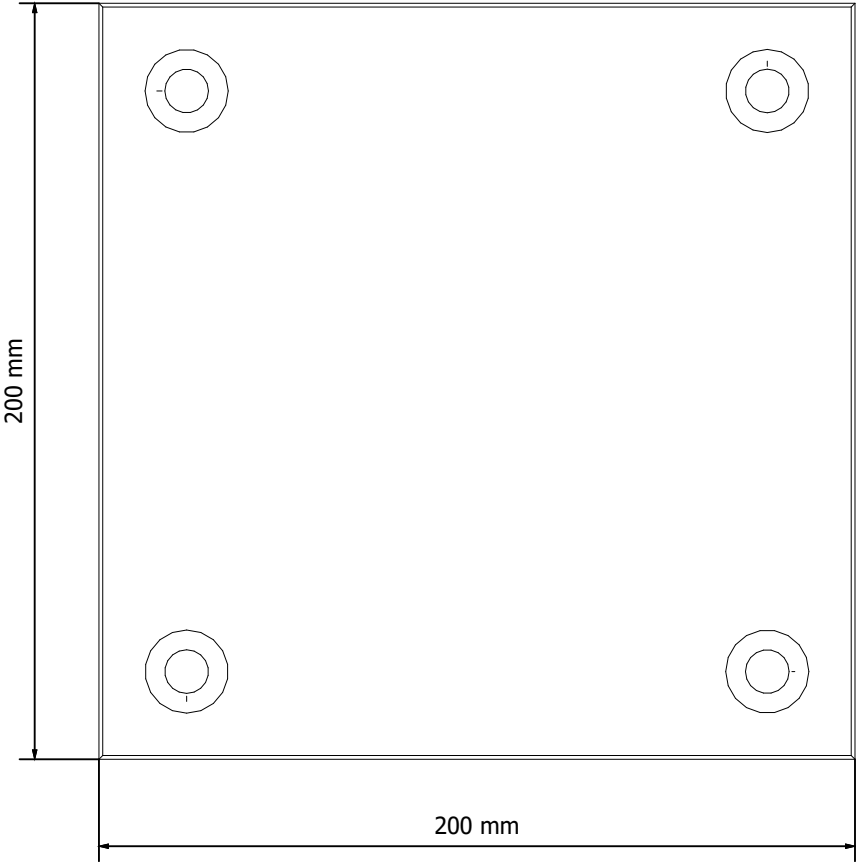
JB19





JB20





JB26





13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+P03-X20	+ P03 60-04-80A		400 ←
UTE					r43.51	00-2400000	401
08/08/2025	08/08/2025						→ 402
1	=> 1						


13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram = +P03-X26	+ P03 60-04-80A		402	
UTE							403	
08/08/2025	08/08/2025				r43.51	00-2400000		404
1	=> 1							

13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+P03-XP03	+ P03 60-04-80A		405 ←
UTE					r43.51	00-2400000	406
08/08/2025	08/08/2025						→ 407
1	=> 1						

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P03-XP07	+ P03 60-04-80A		406
UTE							
08/08/2025	08/08/2025						40
1	=> 1				r43.51	00-2400000	40

13/06/2025		 <div>BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+JB20-X20	+ P03 60-04-80A		410
UTE					r43.51	00-2400000	411
08/08/2025	08/08/2025						412
1	=> 1						

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+JB26-X26	+ P03 60-04-80A		412
UTE							
08/08/2025	08/08/2025						412.
1	=> 1				r43.51	00-2400000	412

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+JB26-X26	+ P03 60-04-80A		412.a
UTE					r43.51	00-2400000	412.l
08/08/2025	08/08/2025						412
1	=> 1						

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-10Q2	1	Circui breaker	5SY6116-7	Siemens	SIE.5SY6116-7
-XP03	3	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP03	1	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-XP03	2	Feed-through terminal	ST 16	Phoenix Contact	PXC.3036149
-XP03	1	Feed-through terminal	ST 16-PE	Phoenix Contact	PXC.3036165
-X24V	11	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A2	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A4	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A5	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A6	1	Analog input card	6ES7134-6HD01-0BA1	Siemens	SIE.6ES7134-6HD01-0BA1
-200A6	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A7	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A7	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A8	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A8	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A9	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A9	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A10	1	TM Posinput card	6ES7138-6BA01-0BA0	Siemens	SIE.6ES7138-6BA01-0BA0
-200A10	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A11	1	Analog output card	6ES7135-6HD00-0BA1	Siemens	SIE.6ES7135-6HD00-0BA1
-200A11	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-210S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-210S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-210S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-210S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-210S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-XP07	9	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XP08	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XP10	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X19	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X19	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X19	5	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X20	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X20	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X20	7	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XP07	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XP07	1	Fuse 5x20	0103153	Italweber	IW.0103153
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-X26	16	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-271KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-271KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-272H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-272H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-272H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-272KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-X53	3	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-X53	10	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-273KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XA	3	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XA	3	Fuse 5x20	0103153	Italweber	IW.0103153
-XA	12	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-390M1	1	AX compact box	AX.1038000	Rittal	RIT.1038000

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
-391S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	1	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3
+JB19-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB19-X19	4	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB19-394M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB19-394M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB19-394M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB20-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB20-X20	6	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB20-394M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB20-394M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB20-394M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB26-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB26-X26	4	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
+JB26-X26	15	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
+JB26-X26.A	5	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
+JB26-X26.A	1	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
+JB26-394M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB26-394M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB26-394M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010

WIRES COLOR TABLE









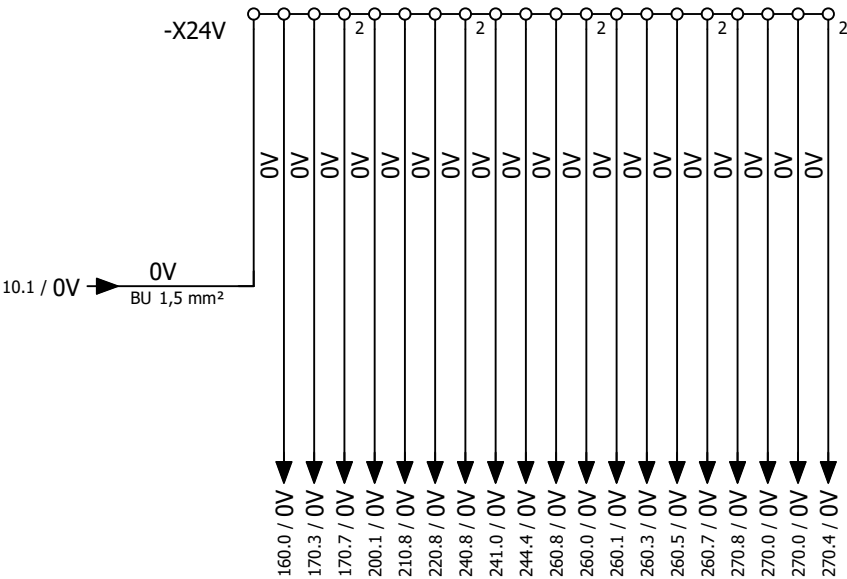
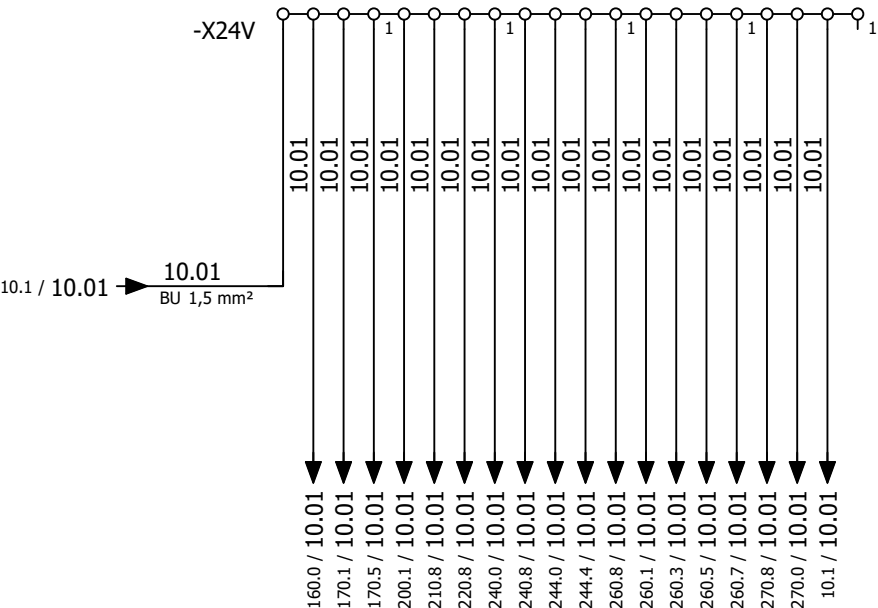
 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

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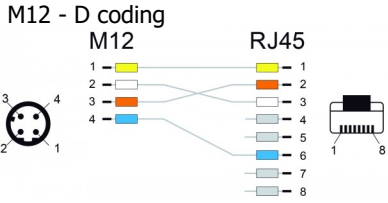
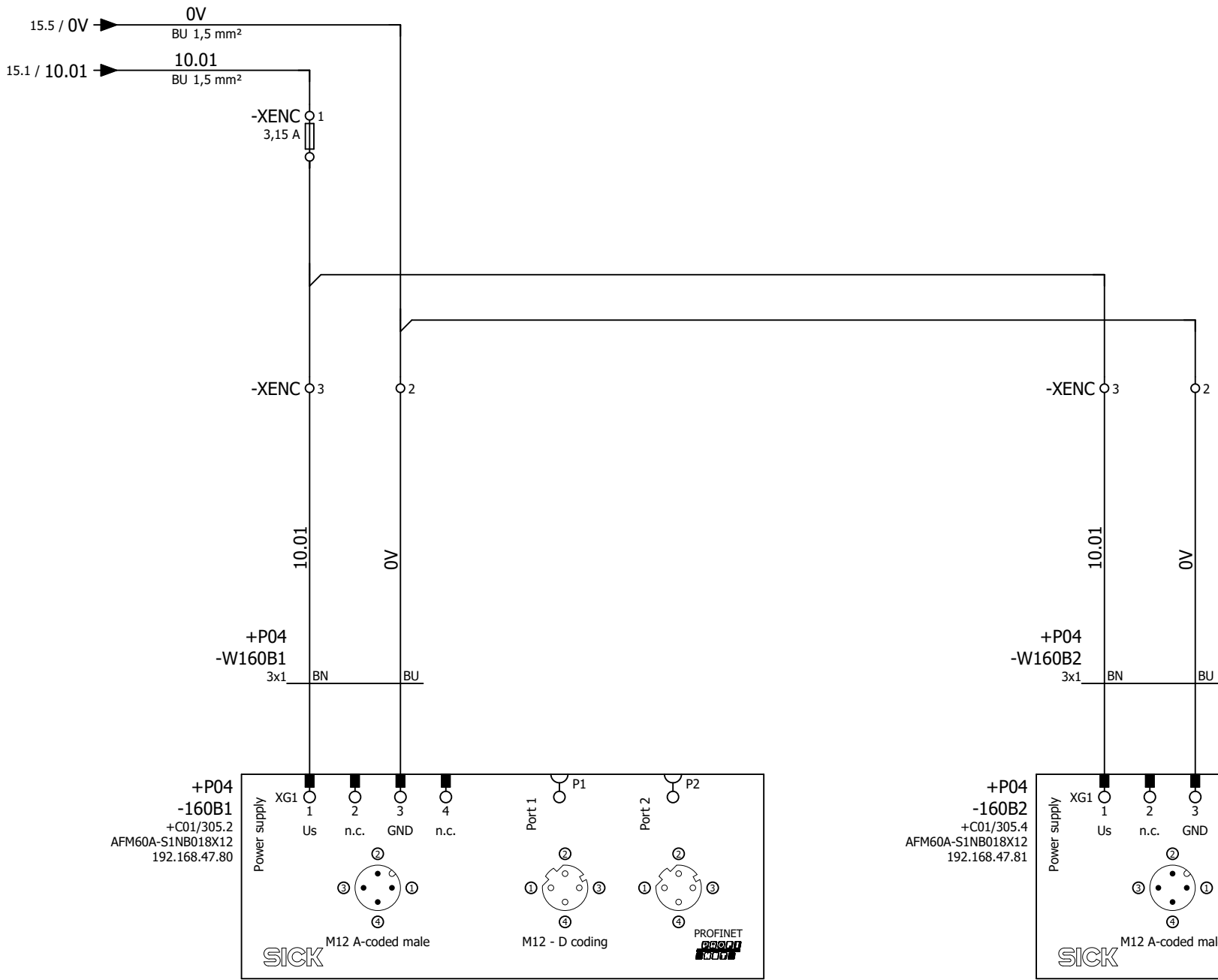
Assignment	Page	Page description	Revision	Edited by
+P04		CONTROL DESK MILLING OPERATOR SIDE		
	1	COVER	1	UTE
	2	WIRES COLOR TABLE	1	UTE
	4	Table of contents	1	UTE
	4.a	Table of contents	1	UTE
	10	Supply Line	1	UTE
	15	Distribution 24Vdc	1	UTE
	160	Encoder	1	UTE
	170	Safety limit switch	1	UTE
	200	PLC	1	UTE
	210	Digital safety input	1	UTE
	211	Digital safety input	1	UTE
	220	Safety digital output	1	UTE
	240	Digital inputs	1	UTE
	241	Digital inputs	1	UTE
	242	Digital inputs	1	UTE
	243	Digital inputs	1	UTE
	244	Digital inputs	1	UTE
	245	Digital inputs	1	UTE
	260	Analog input	1	UTE
	261	Analog input	1	UTE
	270	Digital outputs	1	UTE
	271	Digital outputs	1	UTE
	380	Terminal strip	1	UTE
	390	External layout	1	UTE
	391	External layout	1	UTE
	393	Internal layout	1	UTE
	394	Layout +JB23	1	UTE
	400	Terminal diagram =+P04-X23	1	UTE

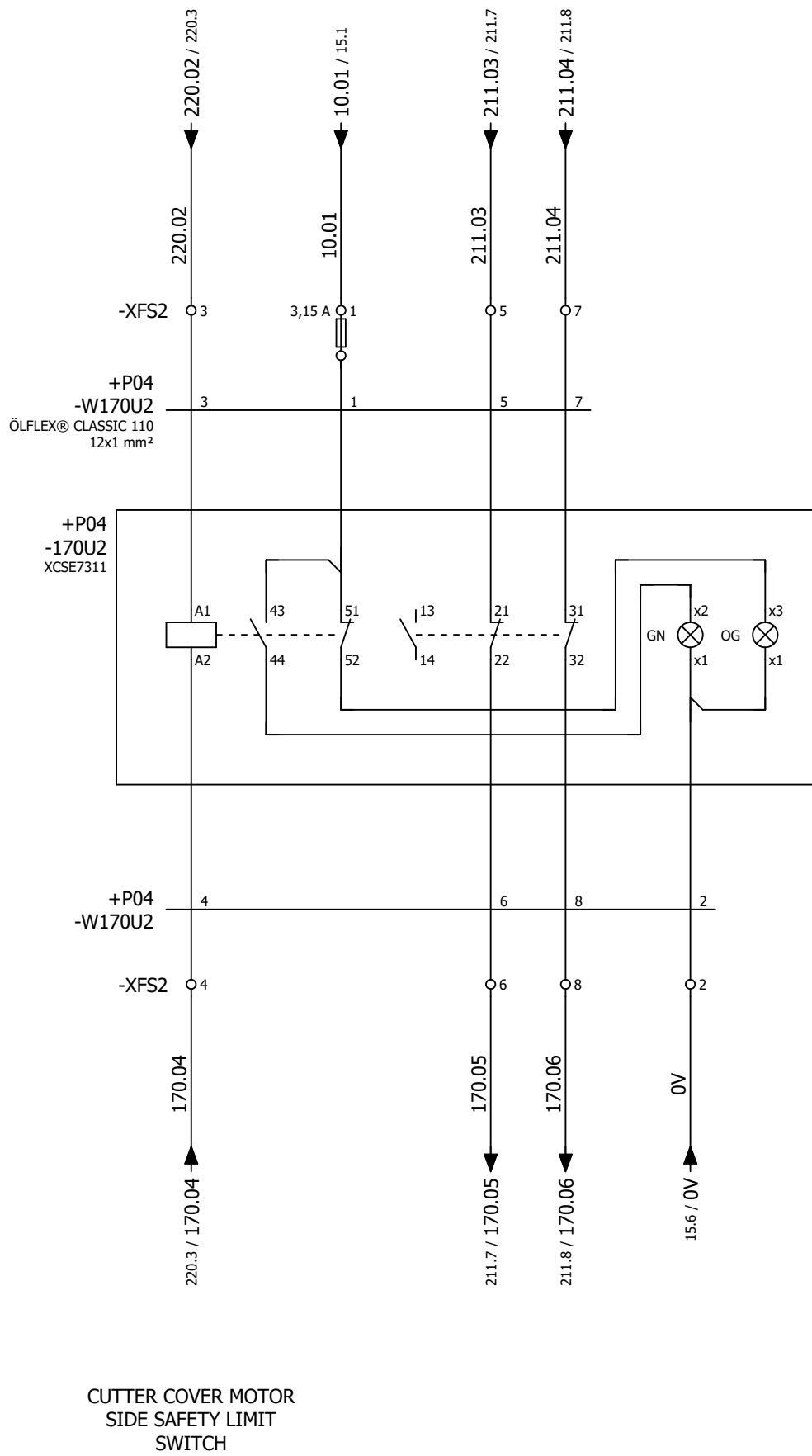
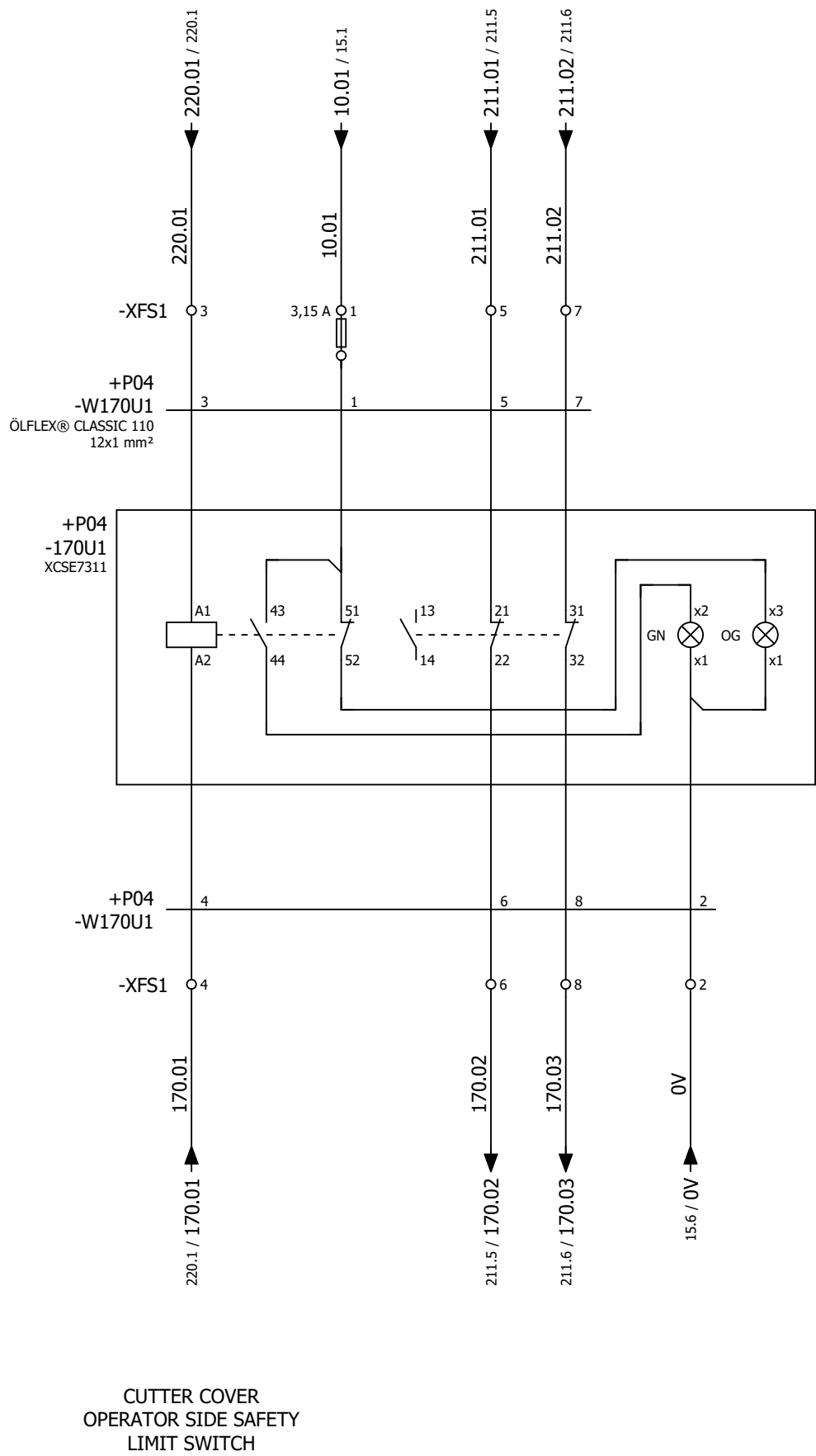
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Assignment	Page	Page description	Revision	Edited by
+P04		CONTROL DESK MILLING OPERATOR SIDE		
	401	Terminal diagram =+P04-X24V	1	UTE
	402	Terminal diagram =+P04-X54	1	UTE
	402.a	Terminal diagram =+P04-X54	1	UTE
	402.b	Terminal diagram =+P04-X54	1	UTE
	403	Terminal diagram =+P04-XAI	1	UTE
	403.a	Terminal diagram =+P04-XAI	1	UTE
	404	Terminal diagram =+P04-XENC	1	UTE
	405	Terminal diagram =+P04-XEV	1	UTE
	406	Terminal diagram =+P04-XFS1	1	UTE
	407	Terminal diagram =+P04-XFS2	1	UTE
	408	Terminal diagram =+P04-XP04	1	UTE
	409	Terminal diagram =+P04-XP05	1	UTE
	410	Terminal diagram =+P04-XP15	1	UTE
	411	Terminal diagram =+P04-XSC	1	UTE
	412	Terminal diagram =+JB23-X23	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE
	500.c	Parts list	1	UTE
	500.d	Parts list	1	UTE

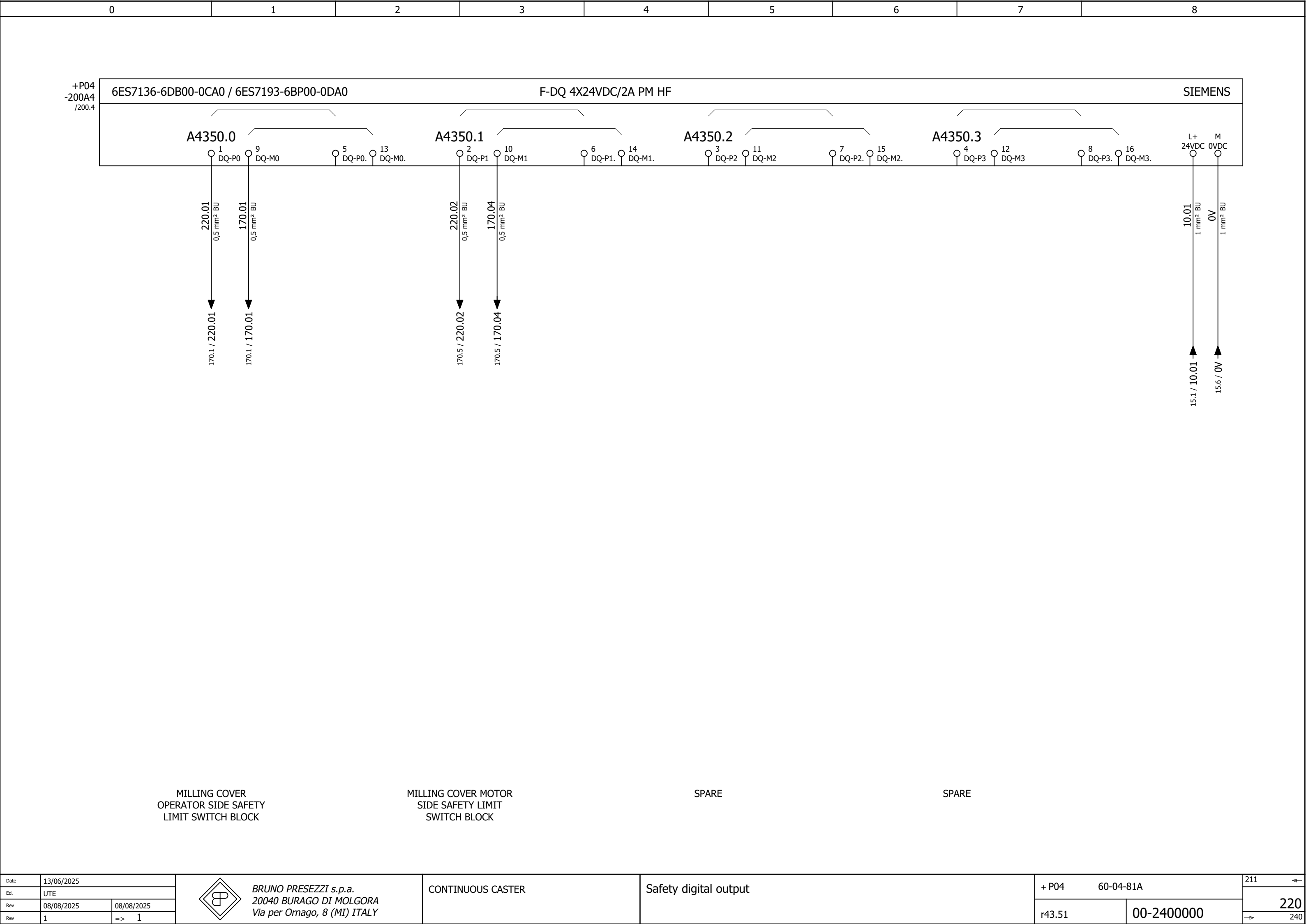


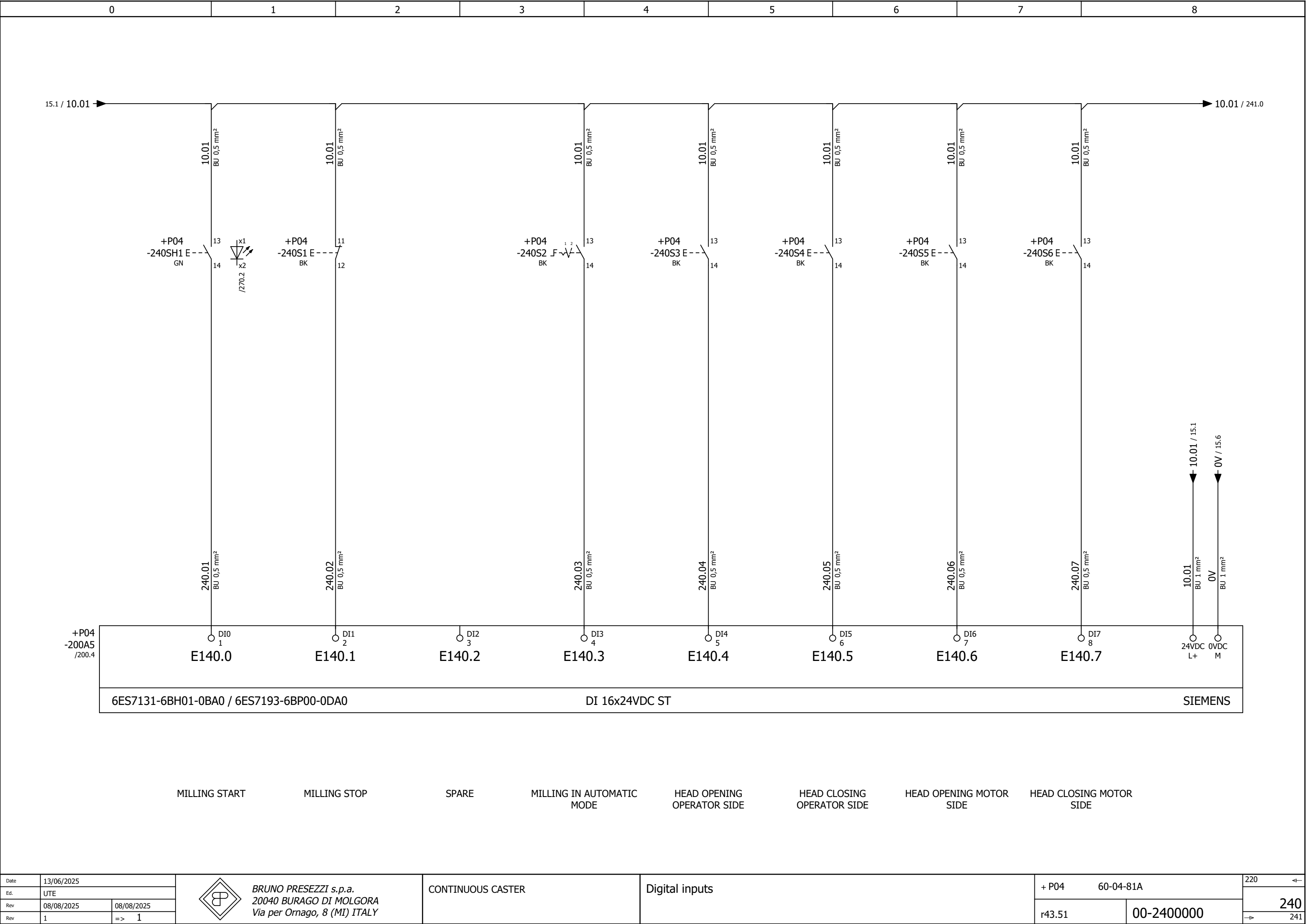
DISTRIBUTION 24Vdc P03

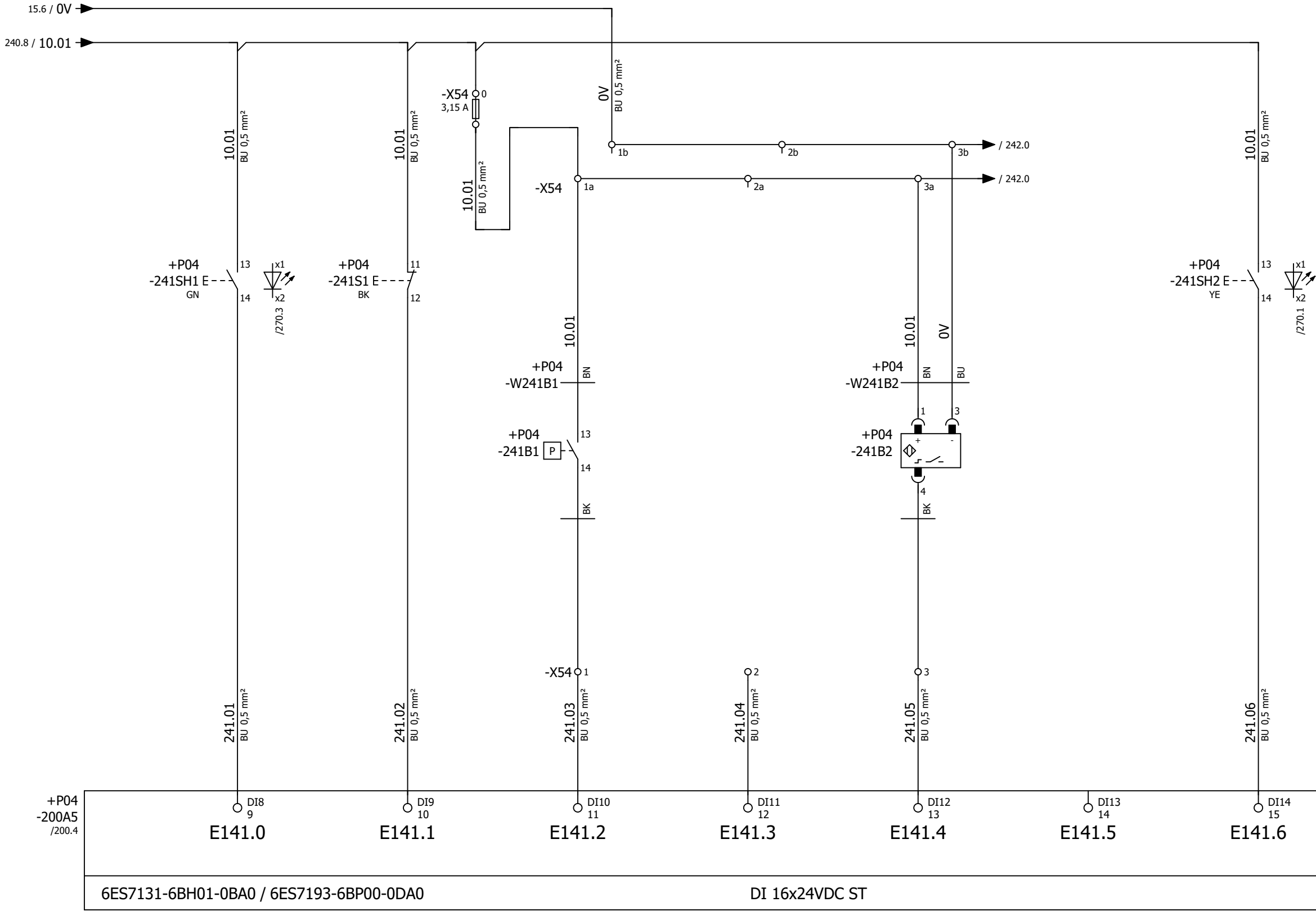












MILLING ASPIRATION
START

MILLING ASPIRATION
STOP

BEARING AND MILLING
LUBRICANT PRESSURE

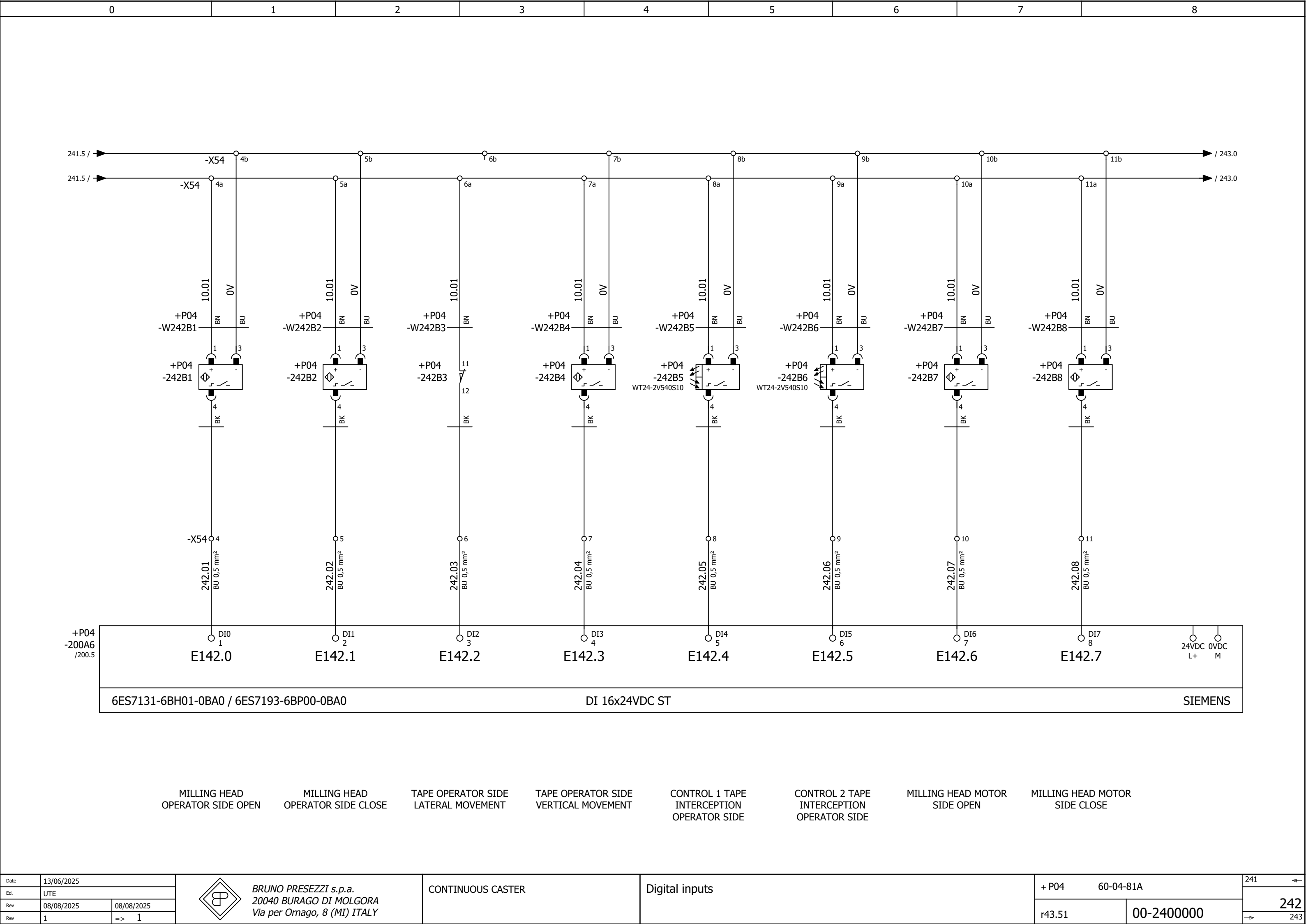
SPARE

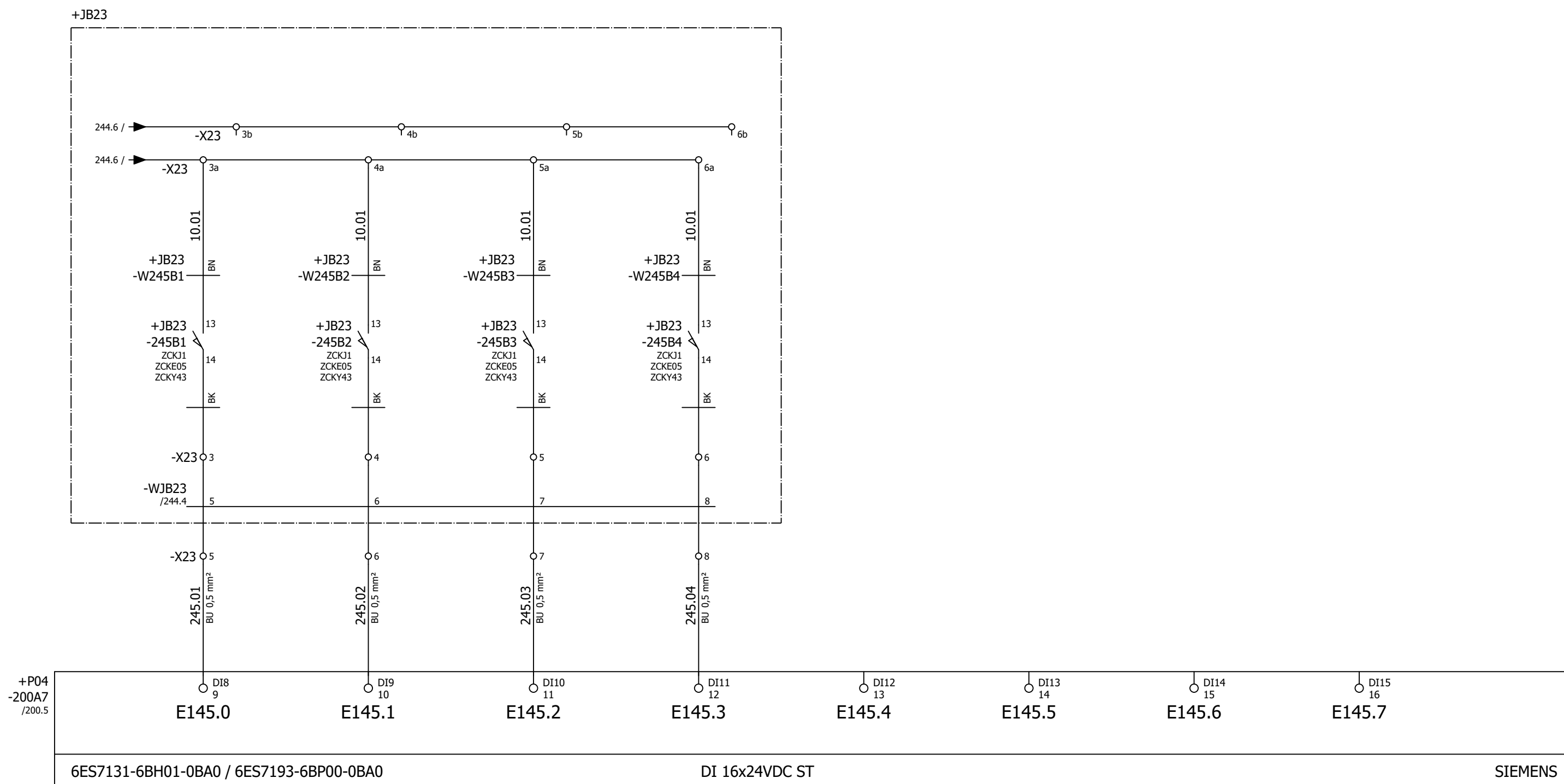
LUBRIFICATION CYCLE

SPARE

MILLING PROTECTION
EMERGENCY RESET

SPARE





PINCH ROLL 1 UPPER
ROLL HIGH

PINCH ROLL 1 UPPER
ROLL LOW

PINCH ROLL 1 LOWER
ROLL HIGH

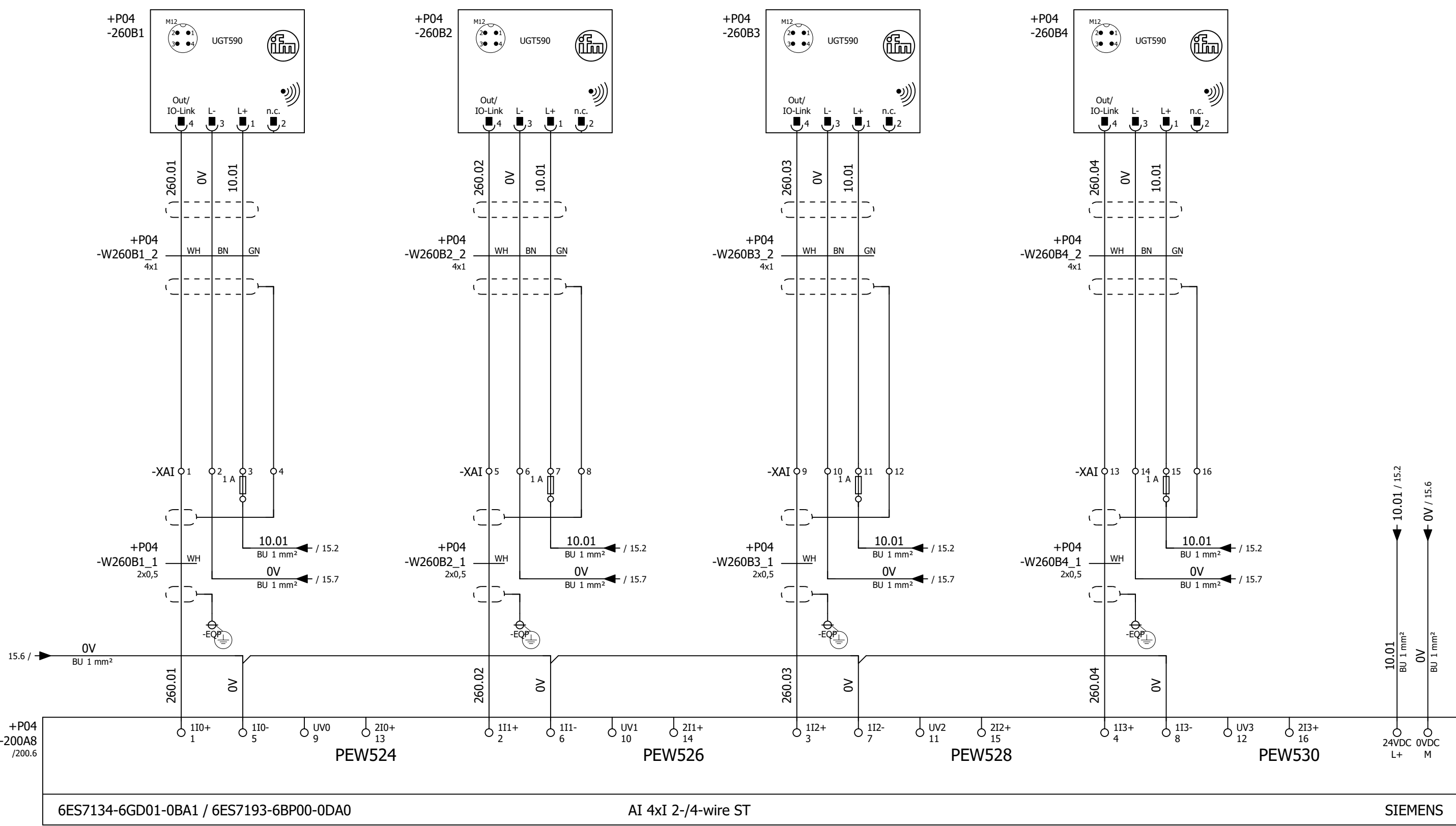
PINCH ROLL 1 LOWER
ROLL LOW

SPARE

SPARE

SPARE

SPARE

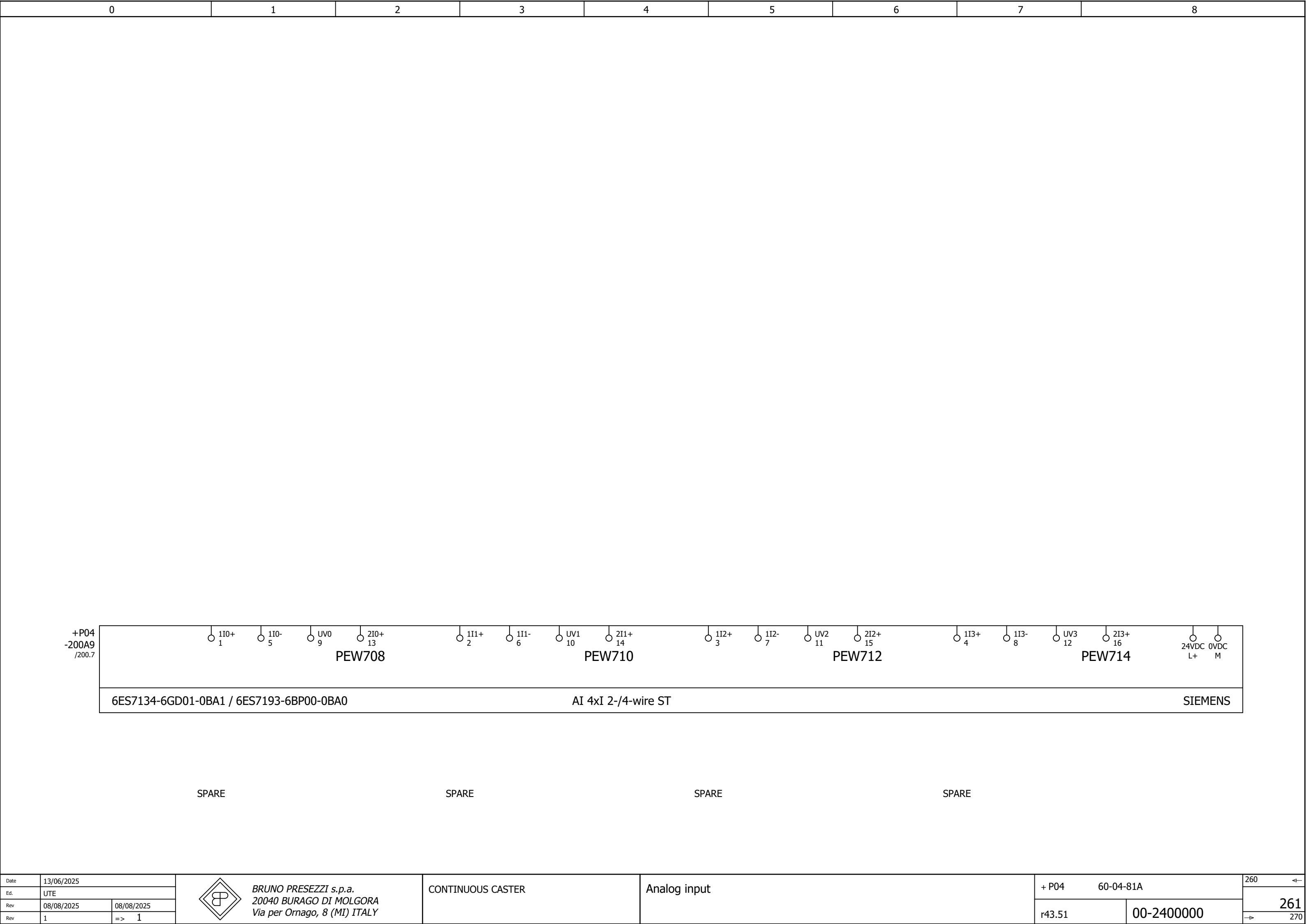


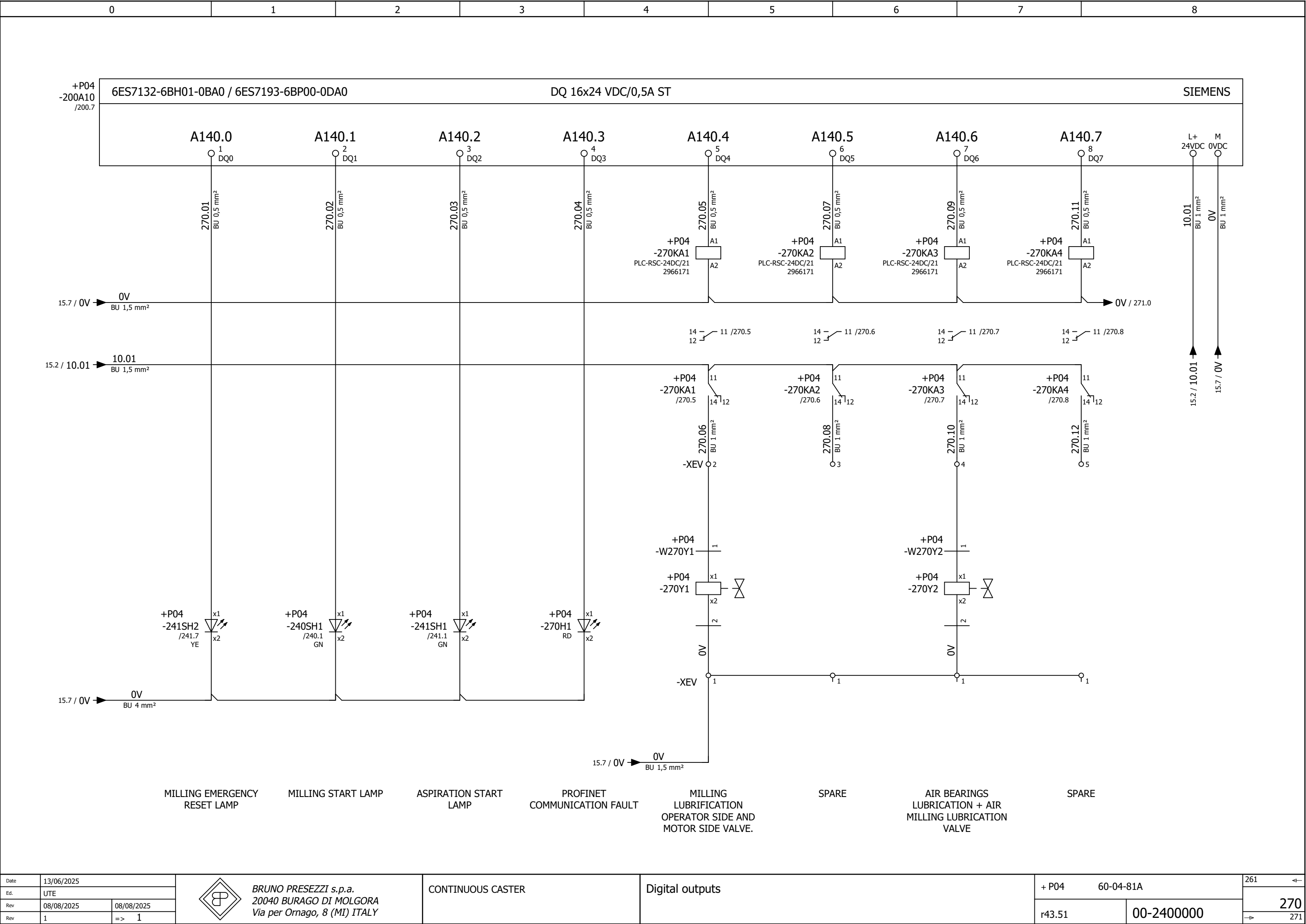
BEARINGS LUBRICANT
LEVEL OPERATOR SIDE

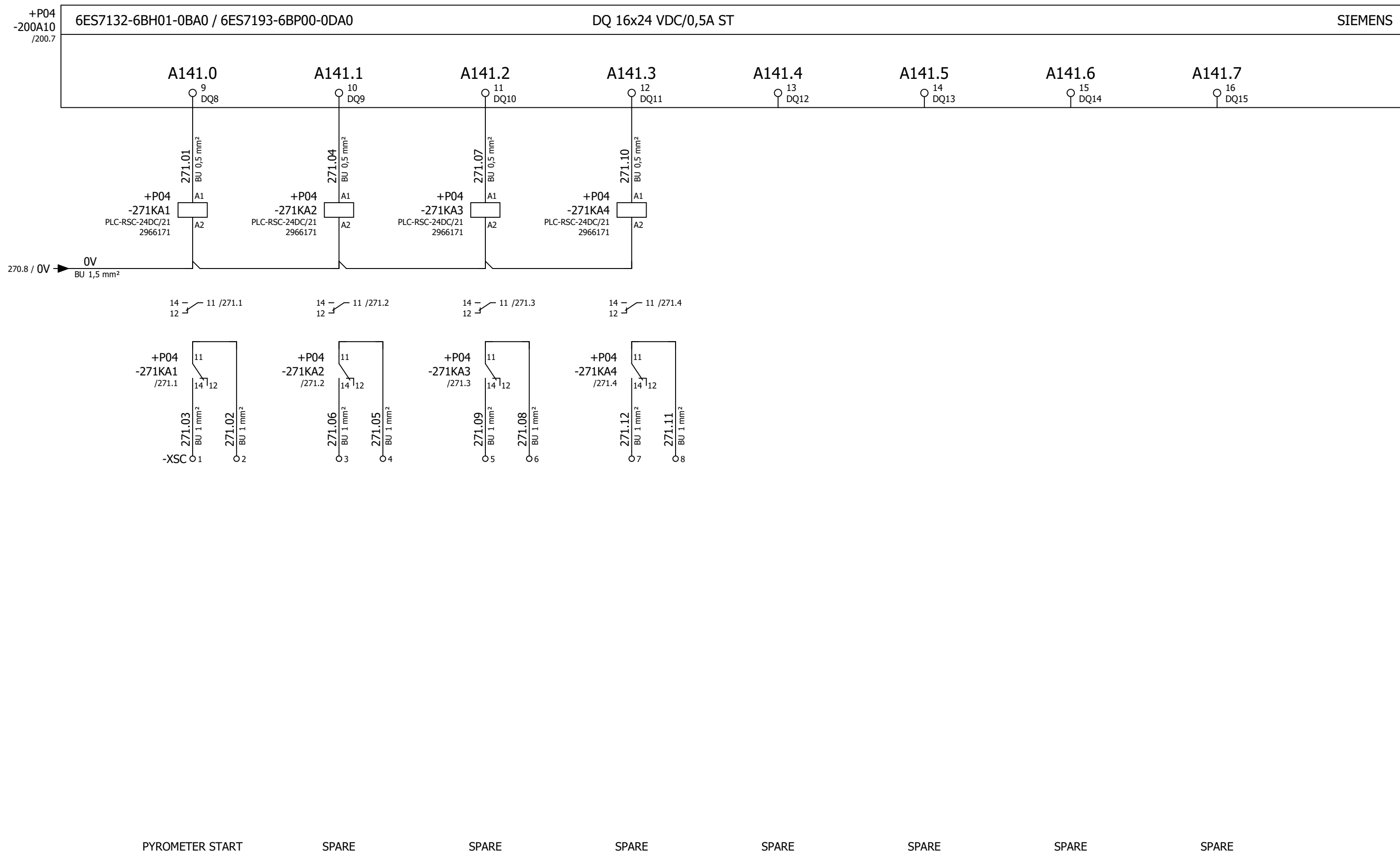
MILLING LUBRICANT
LEVEL OPERATOR SIDE

BEARINGS LUBRICANT
LEVEL MOTOR SIDE

MILLING LUBRICANT
LEVEL MOTOR SIDE







TERMINAL STRIP AND COTORS

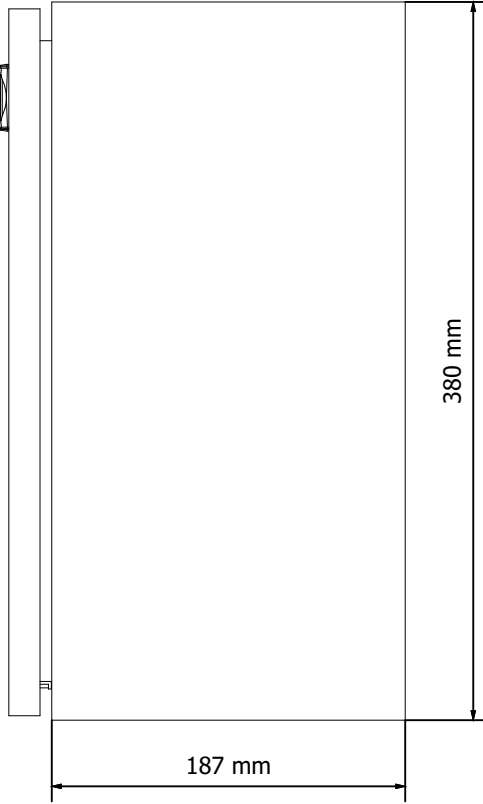
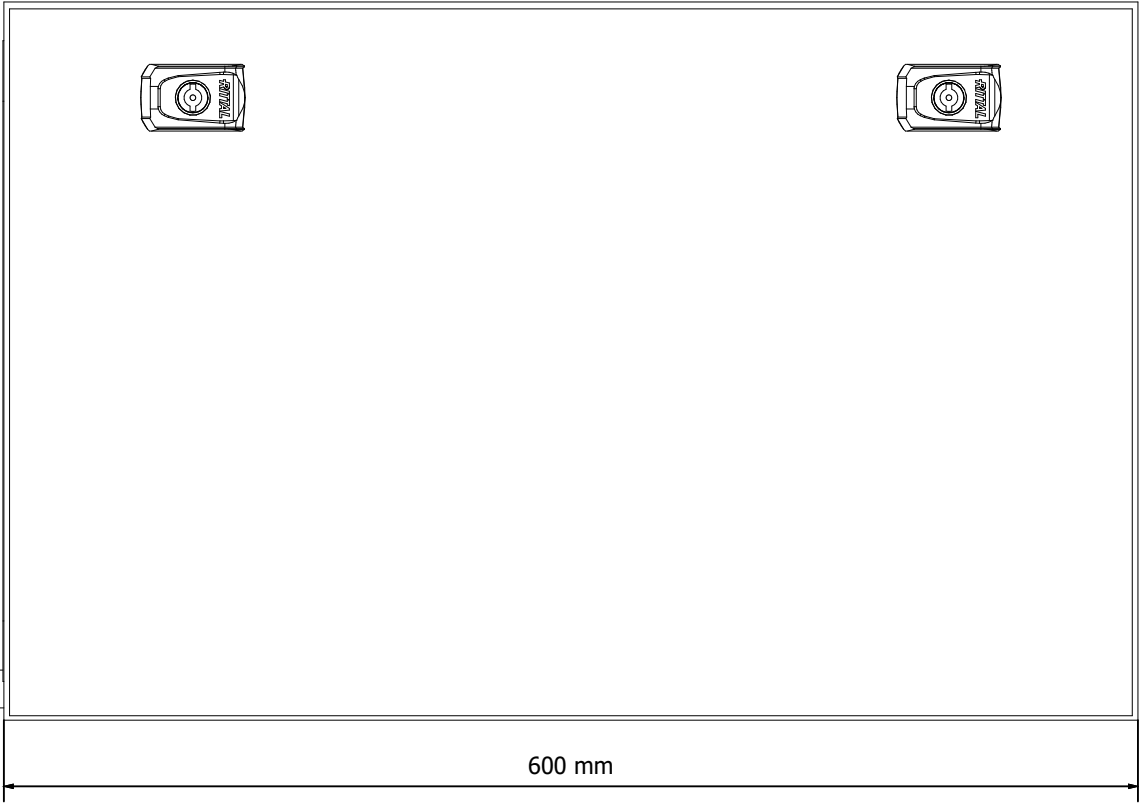
- XP04 = Power supply terminal strip
- X24V = 24Vdc common terminal strip
- XP05 = Control board P05 signal terminal strip
- XP15 = Control board P15 signal terminal strip
- XAI = Analog input terminal strip
- X54 = Sensors switch terminal strip
- X23 = Signal JB23 terminal strip
- XEV = Solenoid valve terminal strip
- XENC = Encoders power supply terminal strip
- XFS1 = Safety limit switch signal terminal strip
- XFS2 = Safety limit switch signal terminal strip
- XSC = Exchange signal terminal strip

+JB23

-X23 = Signal JB23 terminal strip

P04

FRONT DOOR
STAINLESS STEEL

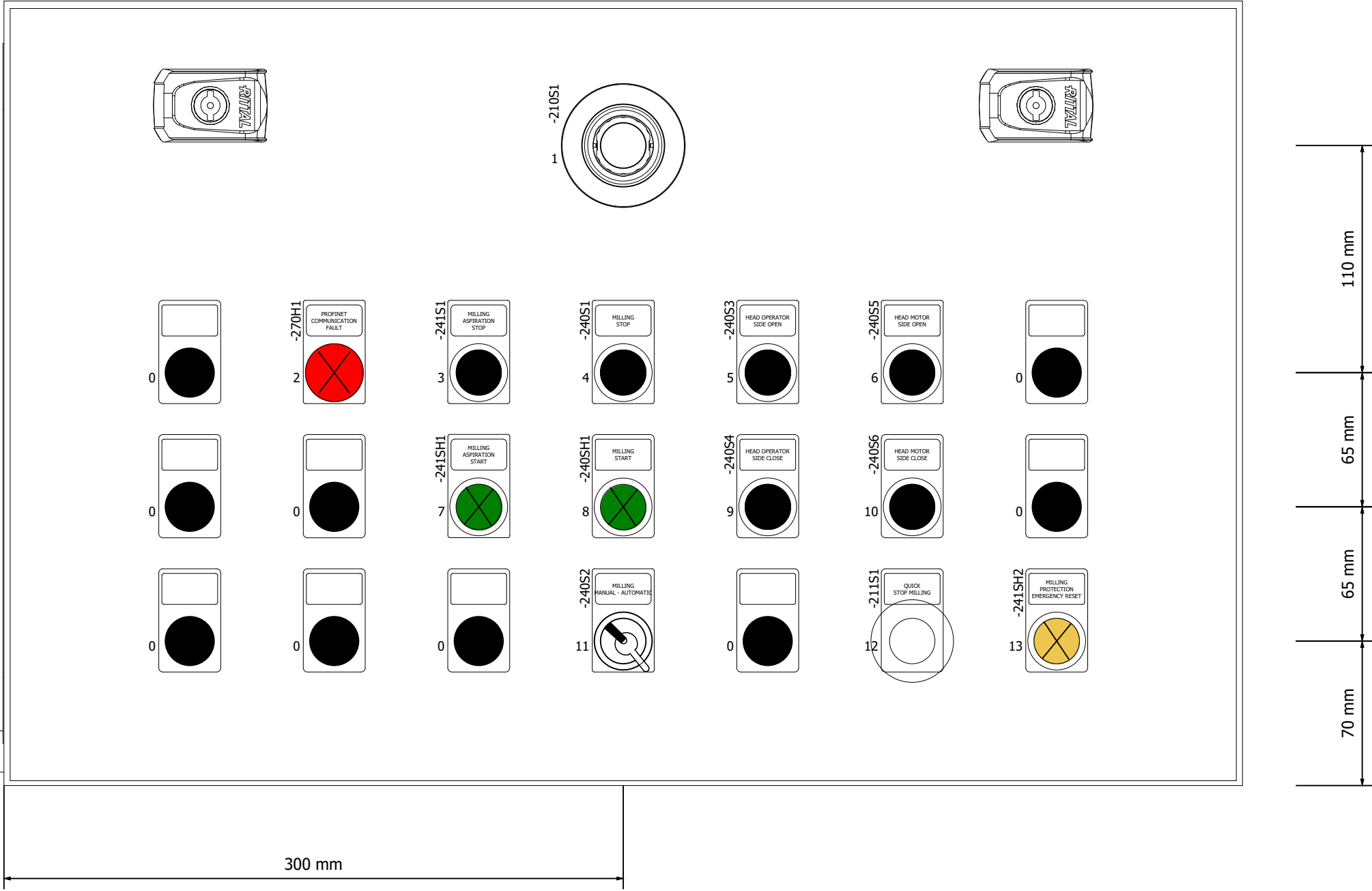


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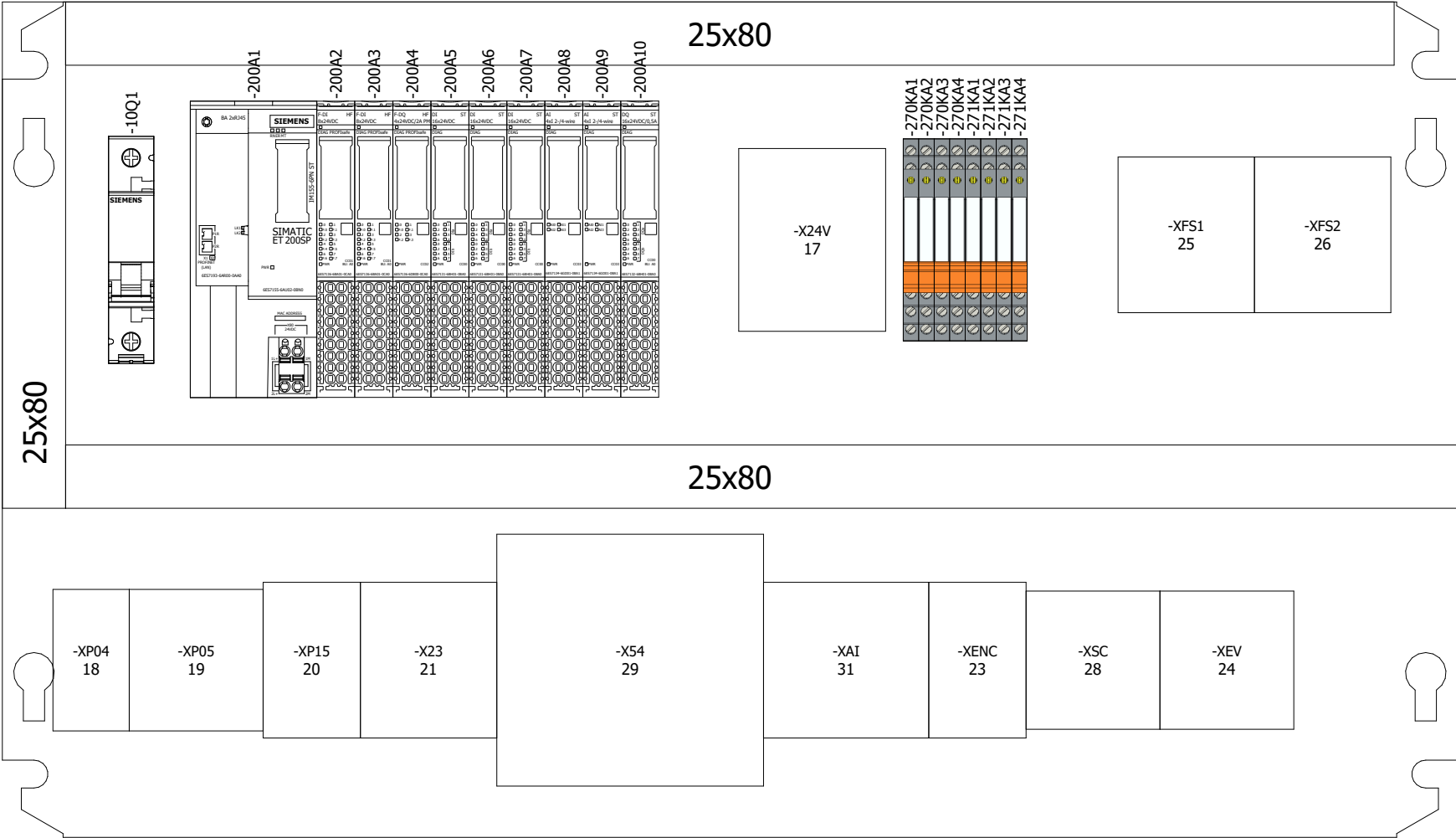
P04

FRONT DOOR

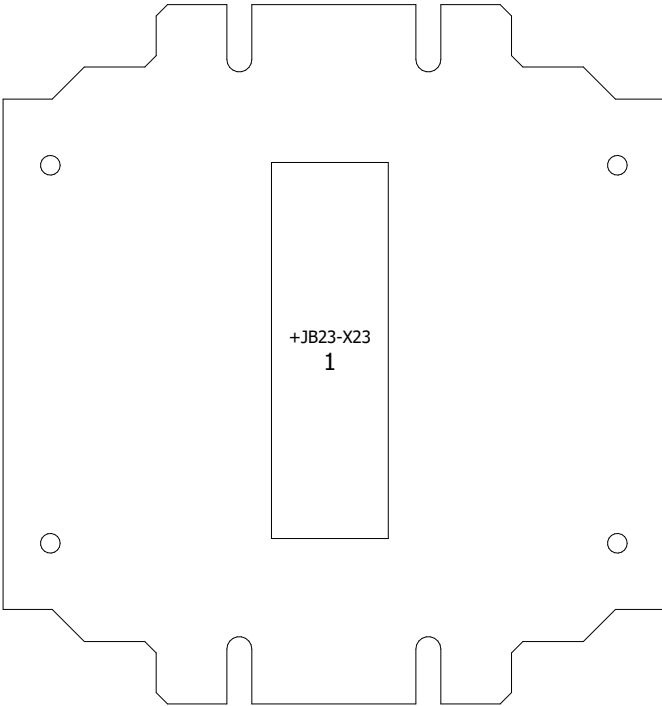
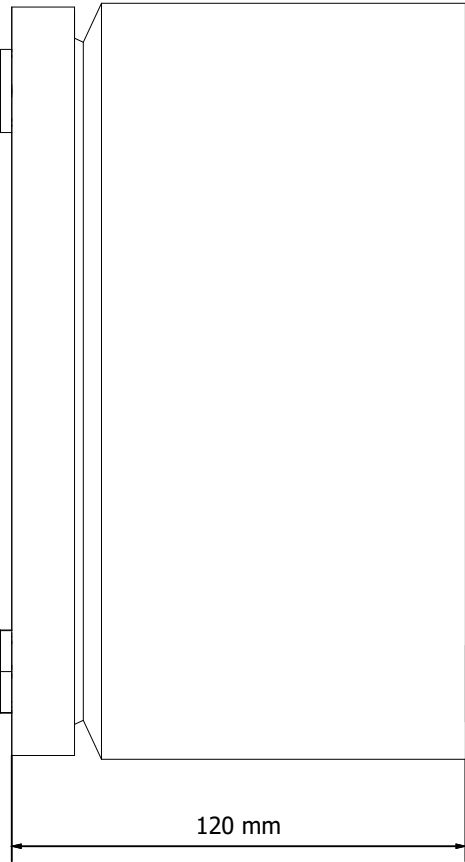
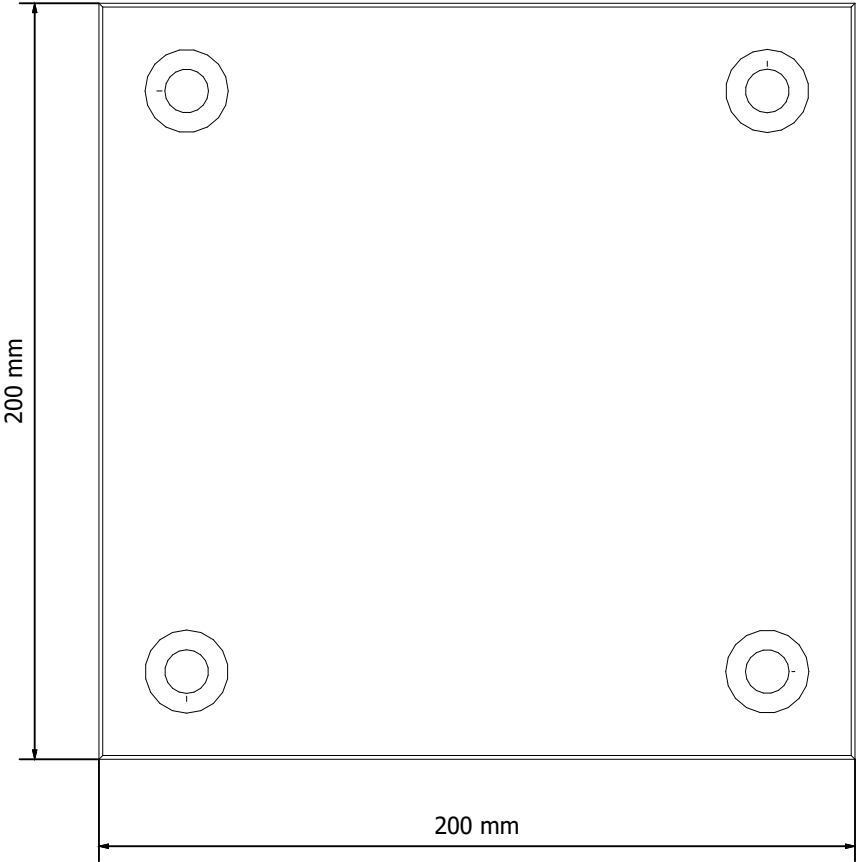
STAINLESS STEEL



P04





JB23





Terminal diagram


										External Designation										Designation Internal					
Function text	Cable name									=+P04-X24V									Cable name	Page / column					
	Cable type									24Vdc common terminal strip									Cable type						
										Component	Filo Wire		Terminal	Jumper	Tip Type	Component									
										Internal	External	Internal													
DISTRIBUTION 24Vdc P03										-XENC	10.01	10.01	1	•	2,5	-10Q1			&SCH/15.1						
										-XFS1				•											
										-XFS2				•											
DISTRIBUTION 24Vdc P03										-200A2	10.01	10.01	1	•	2,5	-200A1			&SCH/15.1						
										-200A4				•											
										-240SH1				•											
DISTRIBUTION 24Vdc P03										-XP15	10.01	10.01	1	•	2,5	-200A5			&SCH/15.1						
										-X23				•											
										-200A8				•											
DISTRIBUTION 24Vdc P03										-XAI	10.01	10.01	1	•	2,5	-XAI			&SCH/15.2						
										-XAI				•											
										-XAI				•											
DISTRIBUTION 24Vdc P03										-270KA1	10.01	10.01	1	•	2,5	-200A9			&SCH/15.2						
										-XP04				•											
DISTRIBUTION 24Vdc P03										-XENC	0V	0V	2	•	2,5	-XP04			&SCH/15.5						
										-XFS1				•											
										-XFS2				•											
DISTRIBUTION 24Vdc P03										-200A2	0V	0V	2	•	2,5	-200A1			&SCH/15.6						
										-200A4				•											
										-200A5				•											
DISTRIBUTION 24Vdc P03										-X23	0V	0V	2	•	2,5	-X54			&SCH/15.6						
										-200A8				•											
										-200A8				•											
DISTRIBUTION 24Vdc P03										-XAI	0V	0V	2	•	2,5	-XAI			&SCH/15.7						
										-XAI				•											
										-XAI				•											
DISTRIBUTION 24Vdc P03										-270KA1	0V	0V	2	•	2,5	-200A9			&SCH/15.7						
										-241SH2				•											
										-XEV				•											
														•											

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P04-X54	+ P04 60-04-81A		401
UTE							
08/08/2025	08/08/2025						402
1	=> 1				r43.51	00-2400000	402

13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P04-X54	+ P04 60-04-81A		402 ←
UTE							402.a
08/08/2025	08/08/2025						→ 402.b
1	=> 1				r43.51	00-2400000	

13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+P04-XAI	+ P04 60-04-81A		402.b ←
UTE					r43.51	00-2400000	403
08/08/2025	08/08/2025						→ 403.a
1	=> 1						

13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram = +P04-XFS1	+ P04 60-04-81A		405 ←
UTE							406
08/08/2025	08/08/2025						
1	=> 1				r43.51	00-2400000	

13/06/2025		 <div>BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram = +JB23-X23	+ P04 60-04-81A		411 ←
UTE					r43.51	00-2400000	412
08/08/2025	08/08/2025						→ &DIST/500
1	=> 1						

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-XP04	4	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
-X24V	10	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XENC	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XENC	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XENC	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XFS1	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XFS1	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XFS1	7	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XFS2	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XFS2	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XFS2	7	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A2	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digita output card	6ES7136-6DB00-0CA0	Siemens	SIE.6ES7136-6DB00-0CA0
-200A4	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A5	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A5	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A6	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A7	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A7	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A8	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A8	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A9	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A9	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A10	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A10	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-210S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-210S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-210S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-210S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-210S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-XP05	8	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-211S1	1	Mushroom push button	ZB4BC2	Schneider Electric	SE.ZB4BC2
-211S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-211S1	2	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-211S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S1	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-240S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-240S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S2	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
-240S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S3	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-240S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S4	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-240S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S5	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-240S5	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S5	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S5	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S6	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-240S6	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S6	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S6	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-240SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-240SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S1	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-241S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-241S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-241SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH2	1	Pushbutton	ZB4BW383	Schneider Electric	SE.ZB4BW383
-241SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-241SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-X54	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X54	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X54	0				
-X23	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X23	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X23	7	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XP15	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XP15	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XP15	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-260B1	1	Connector: 1 x M12; coding: A	UGQ01200F1KG/US	IFM	IFM.UGT590
-260B2	1	Connector: 1 x M12; coding: A	UGQ01200F1KG/US	IFM	IFM.UGT590
-260B3	1	Connector: 1 x M12; coding: A	UGQ01200F1KG/US	IFM	IFM.UGT590
-260B4	1	Connector: 1 x M12; coding: A	UGQ01200F1KG/US	IFM	IFM.UGT590
-XAI	12	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	4	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XAI	4	Fuse 5x20	0101001	Italweber	IW.0101001
-270H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-270H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-270H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-270H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XEV	8	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-271KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-271KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XSC	8	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-390M1	1	AX compact box	AX.1038000	Rittal	RIT.1038000
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
-391S1	9	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	9	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3
+P15-244S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
+P15-244S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+P15-244S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
+P15-244S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
+P15-244S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
+P15-244S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+P15-244S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
+P15-244S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
+JB23-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB23-X23	6	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB23-394M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB23-394M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB23-394M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010

WIRES COLOR TABLE









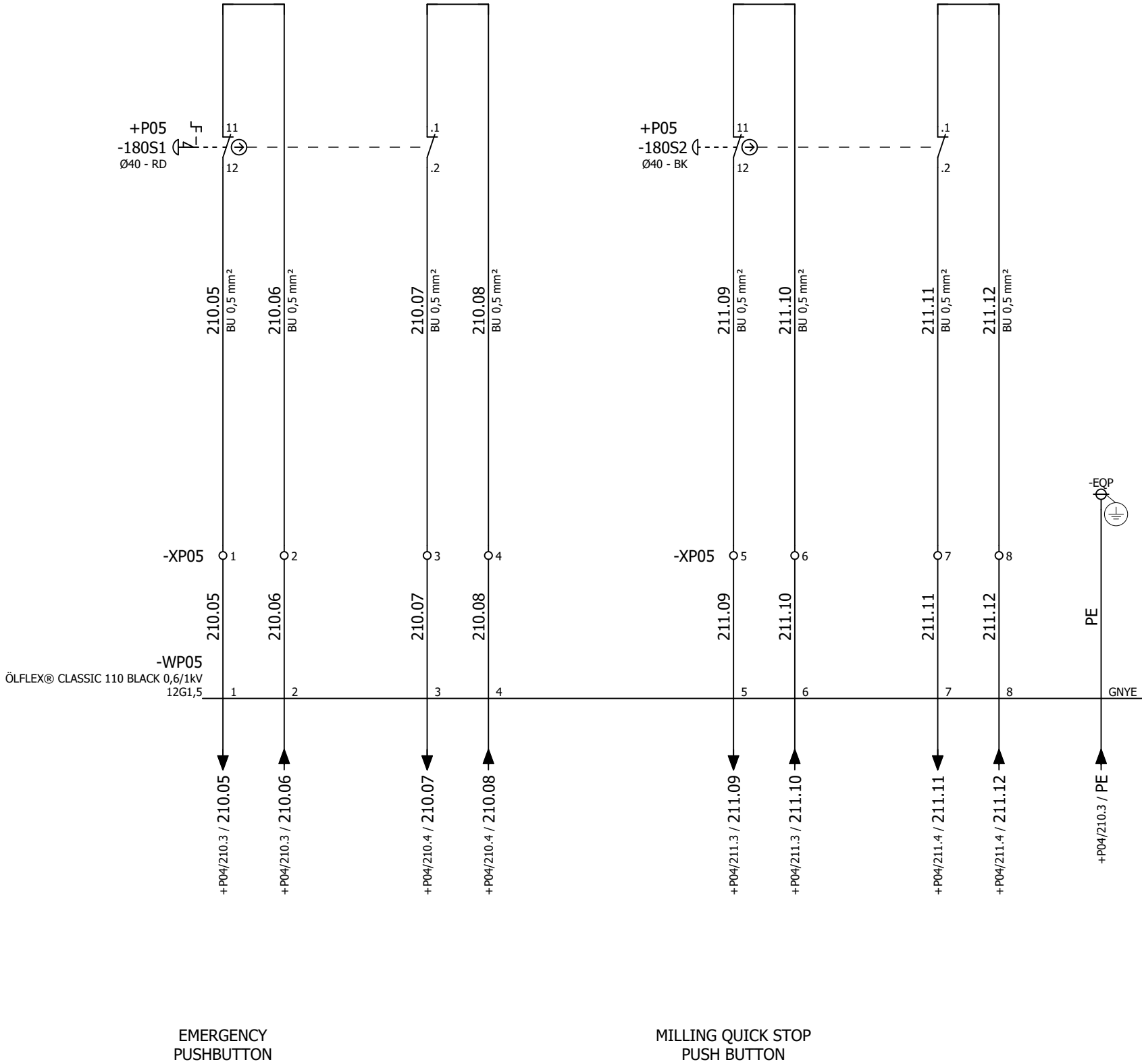
 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

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+P05		CONTROL DESK MILLING MOTOR SIDE		
	1	COVER	1	UTE
	2	WIRES COLOR TABLE	1	UTE
	4	Table of contents	1	UTE
	180	Push button	1	UTE
	380	Terminal strip	1	UTE
	390	External layout	1	UTE
	391	Internal layout	1	UTE
	400	Terminal diagram =+P05-XP05	1	UTE
	500	Parts list	1	UTE

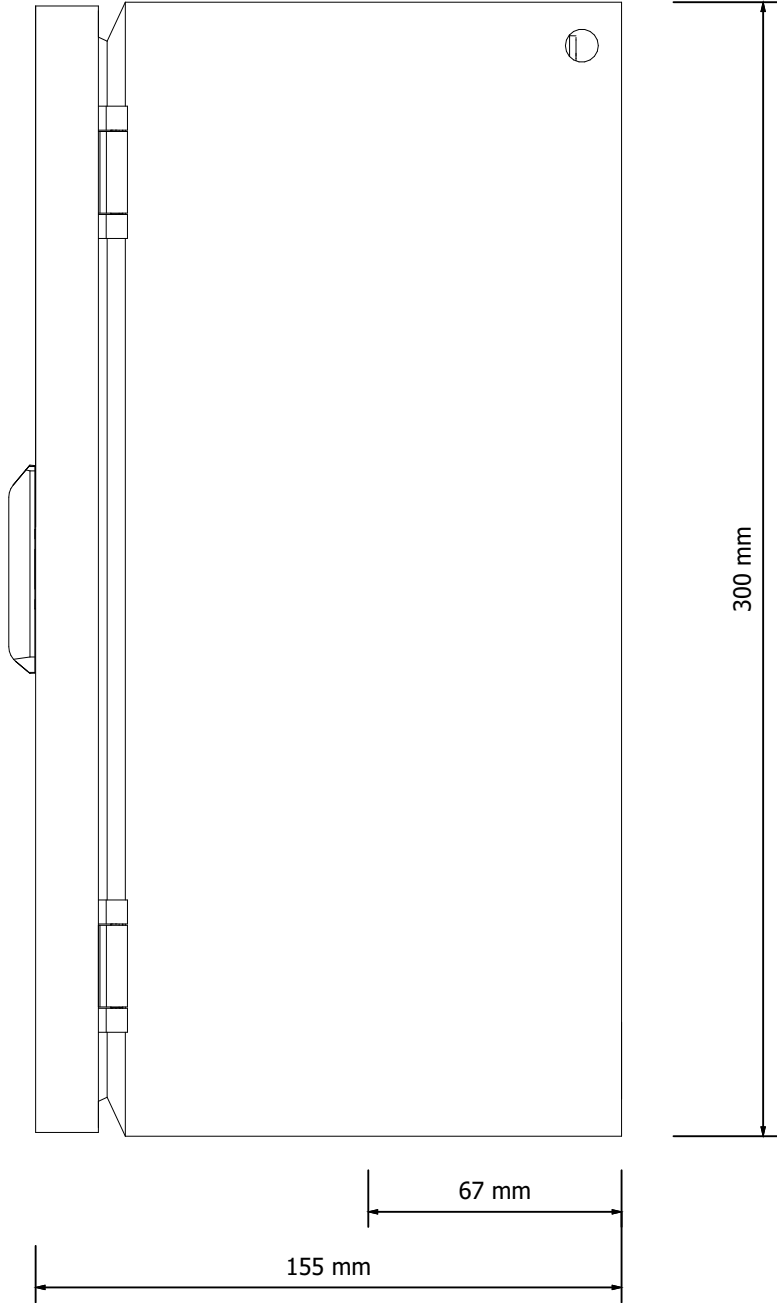
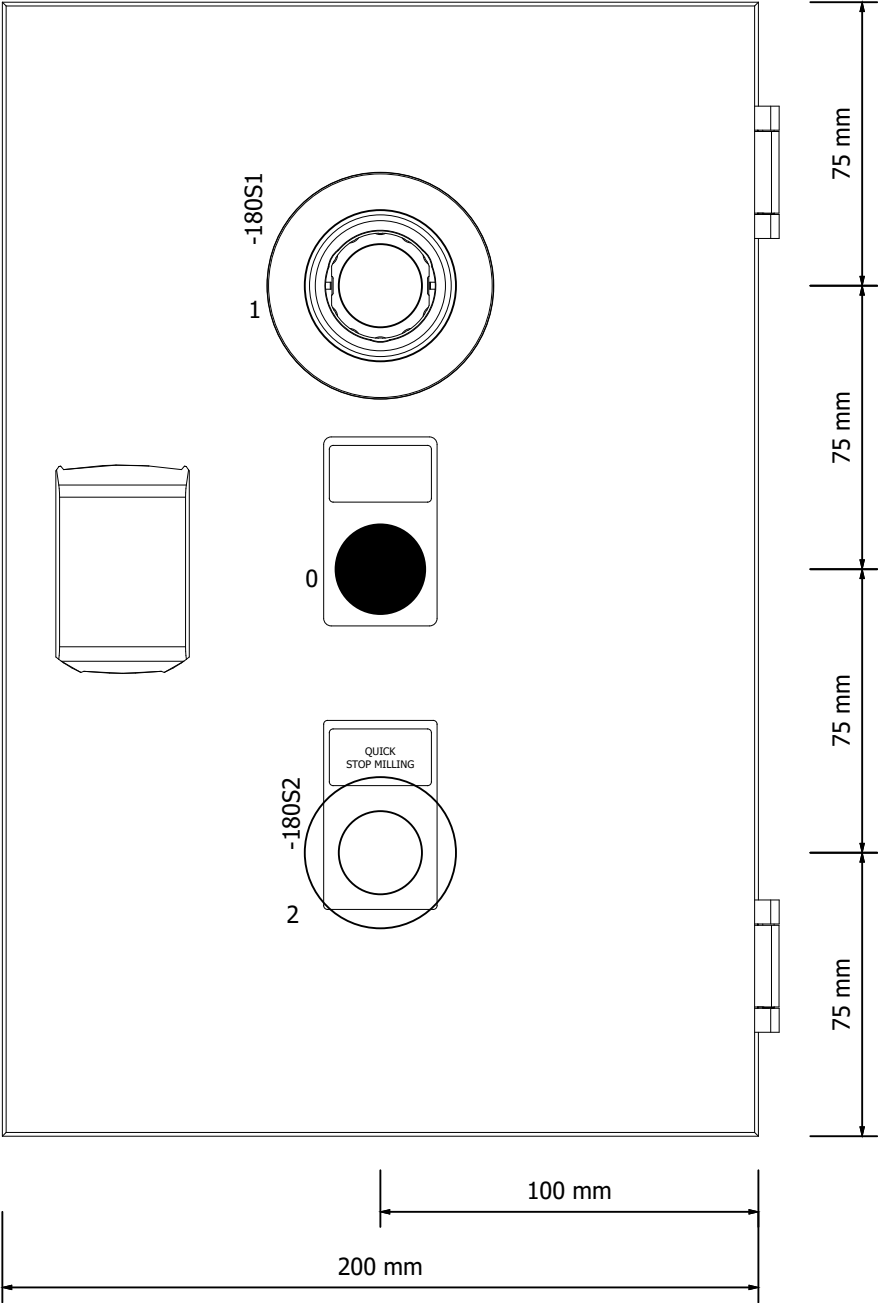


0		1		2		3		4		5		6		7		8							
<div>TERMINAL STRIP AND COTORS</div> <div>-XP05 = Control board P05 terminal strip</div>																							
Date		13/06/2025		<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>				CONTINUOUS CASTER				Terminal strip				+ P05		60-04-82A		180			
Ed.		UTE																		380			
Rev		08/08/2025														08/08/2025							
Rev		1														=>		1		r43.51		00-2400000	

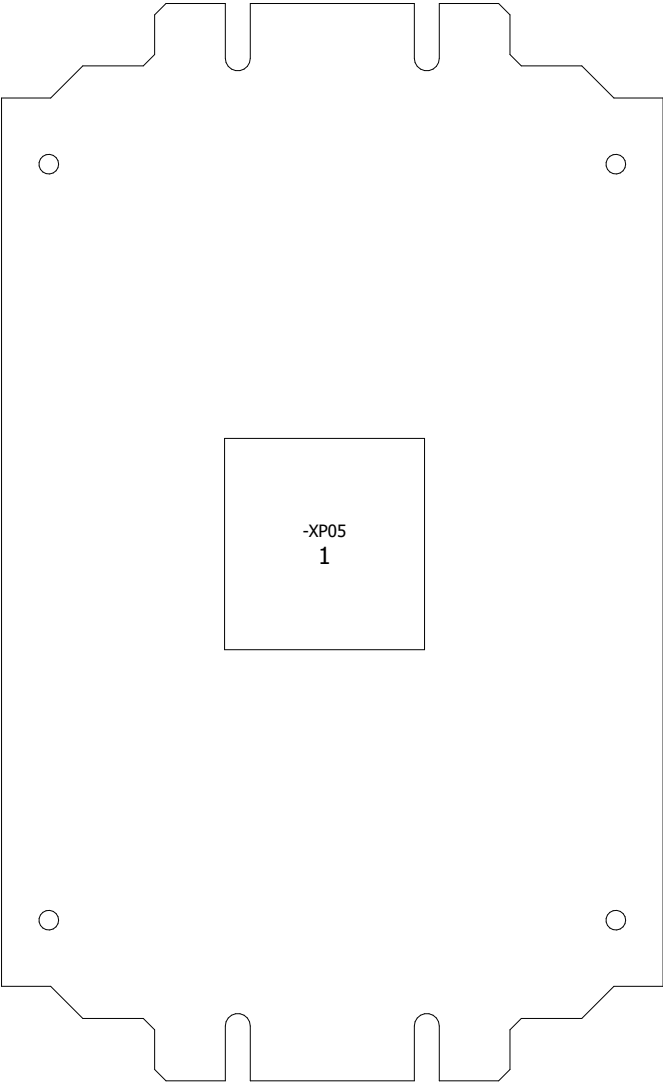
P05

FRONT DOOR

STAINLESS STEEL



P05



Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-180S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-180S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-180S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-180S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-180S2	1	Mushroom push button	ZB4BC2	Schneider Electric	SE.ZB4BC2
-180S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S2	2	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-180S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-XP05	8	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-390M1	1	KX Box	KX.1574000	Rittal	RIT.1574000
-390M1	1	Wall mounting bracket	AX.2508020	Rittal	RIT.2508020
-391S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	1	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3

AL INVEST

Designation system	CONTINUOUS CASTER	Job	: 00-2400000
Mounting location:	P06 CONTROL DESK RECOILER	Drawing	: 60-04-83A

Power supply	400Vac 50Hz
Input lead	3ph + PE
Auxiliary voltage	230Vac - 24Vdc
Year of manufacture	2025

5		
4		
3		
2		
1	08/08/2025	SECOND ISSUED
0	13/06/2025	FIRST ISSUED
Rev.	Date	Description

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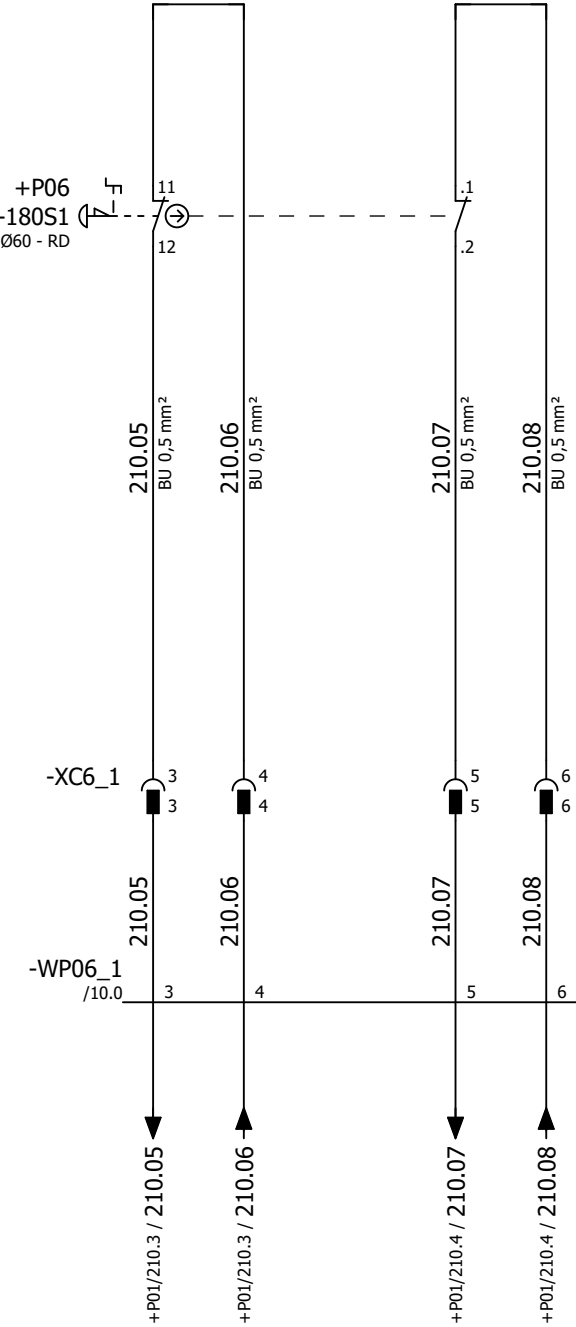
0		1		2		3		4		5		6		7		8					
WIRES COLOR TABLE																					
<div> Wire Colours</div>								Type of Signal													
<div> L1,L2,L3 (Black)</div>								Power Circuit													
<div> 230Vac Auxiliary (Red)</div>								Auxiliary Circuit 230Vac													
<div> 24Vdc (Blue)</div>								Auxiliary Circuit 24Vdc													
<div> PE (Yellow-Green)</div>								Protection Circuits PE													
<div> External Circuits (Orange)</div>								External Circuits													
<div> Profinet Cable (Green)</div>								Ethernet Cable													
<div> Internet Cable (Grey)</div>								Internet Cable													
Wires Minimum Size		Plc Circuit		0,5 mm ²		Type		mm ²													
		Auxiliary Circuits		1 mm ²																	
		Power Circuits		1,5 mm ²																	
Date		13/06/2025		<div> BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>				CONTINUOUS CASTER				WIRES COLOR TABLE				+ P06		60-04-83A		1	
Ed.		UTE																			
Rev		08/08/2025														08/08/2025				2	
Rev		1										=> 1				r43.51		00-2400000			

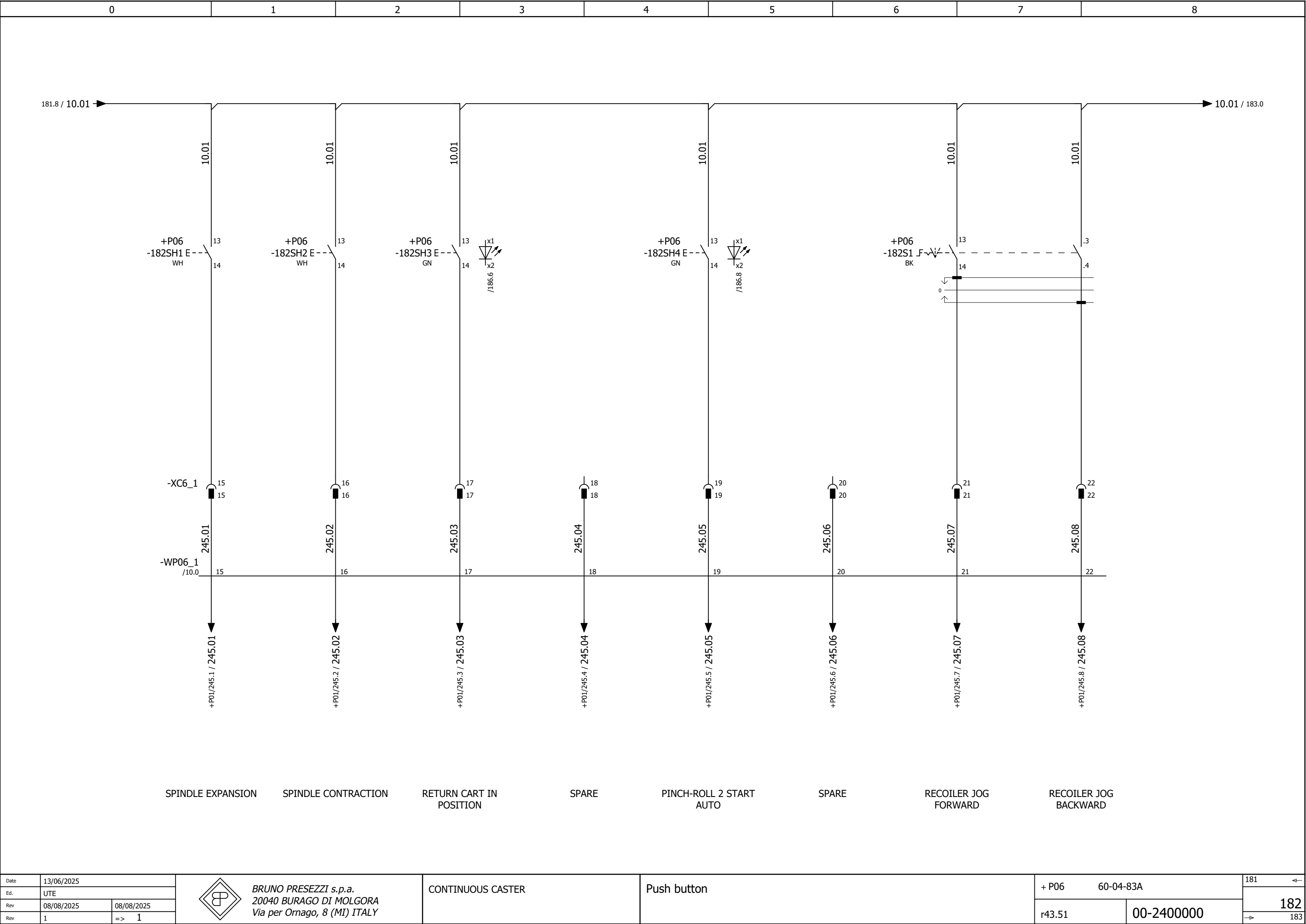
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+P06				
CONTROL DESK RECOILER				
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	2	WIRES COLOR TABLE	1	UTE
	4	Table of contents	1	UTE
	4.a	Table of contents	1	UTE
	10	Supply Line	1	UTE
	180	Push button	1	UTE
	181	Push button	1	UTE
	182	Push button	1	UTE
	183	Push button	1	UTE
	184	Push button	1	UTE
	185	Push button	1	UTE
	186	Push button	1	UTE
	187	Push button	1	UTE
	188	Push button	1	UTE
	189	Push button	1	UTE
	380	Terminal strip	1	UTE
	390	External layout	1	UTE
	391	External layout	1	UTE
	395	Internal layout	1	UTE
	450	Plug diagram =+P06-XC6_1	1	UTE
	451	Plug diagram =+P06-XC6_1	1	UTE
	452	Plug diagram =+P06-XC6_2	1	UTE
	453	Plug diagram =+P06-XC6_2	1	UTE
	454	Plug diagram =+P06-XC6_3	1	UTE
	455	Plug diagram =+P06-XC6_3	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE

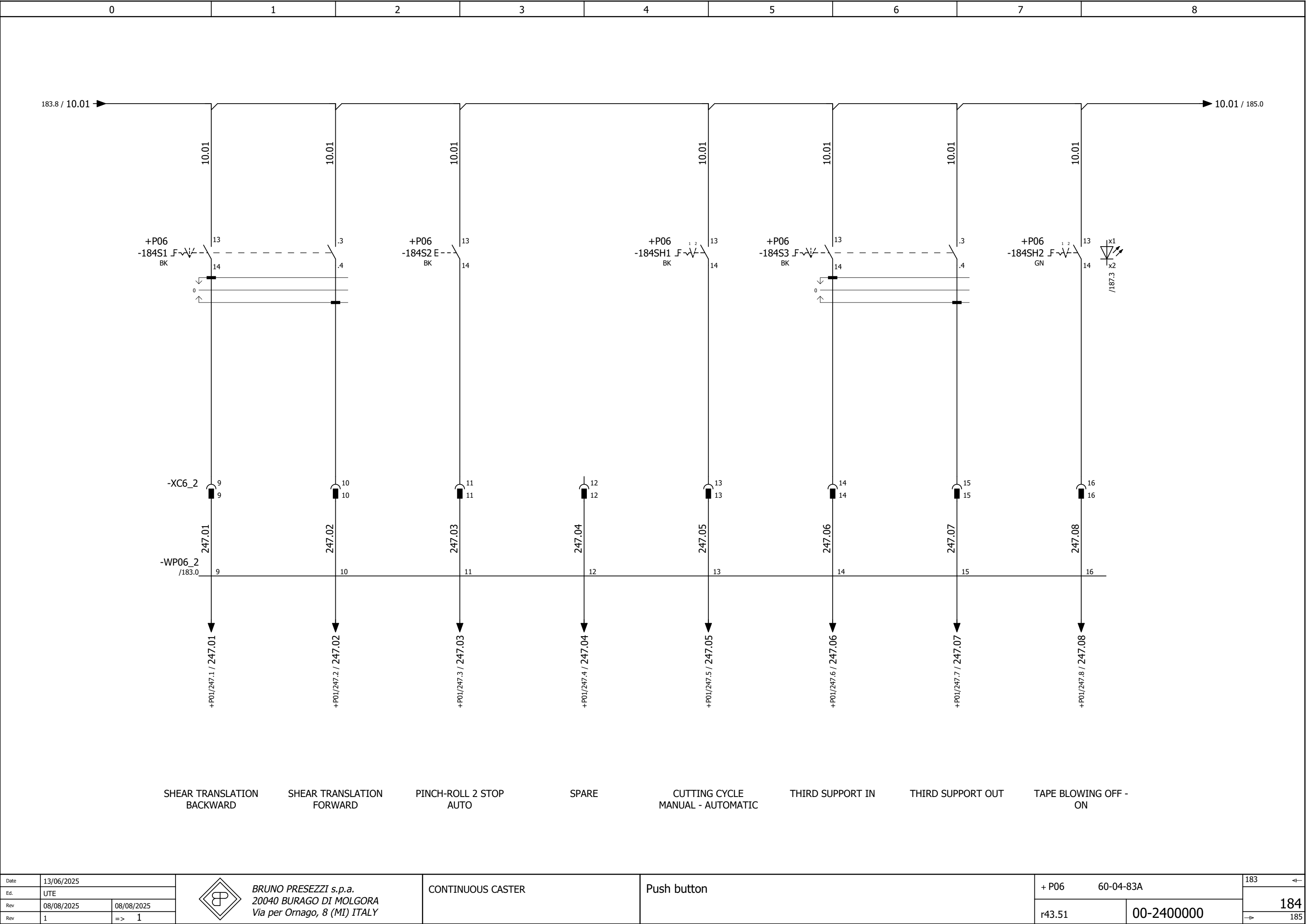
Table of contents

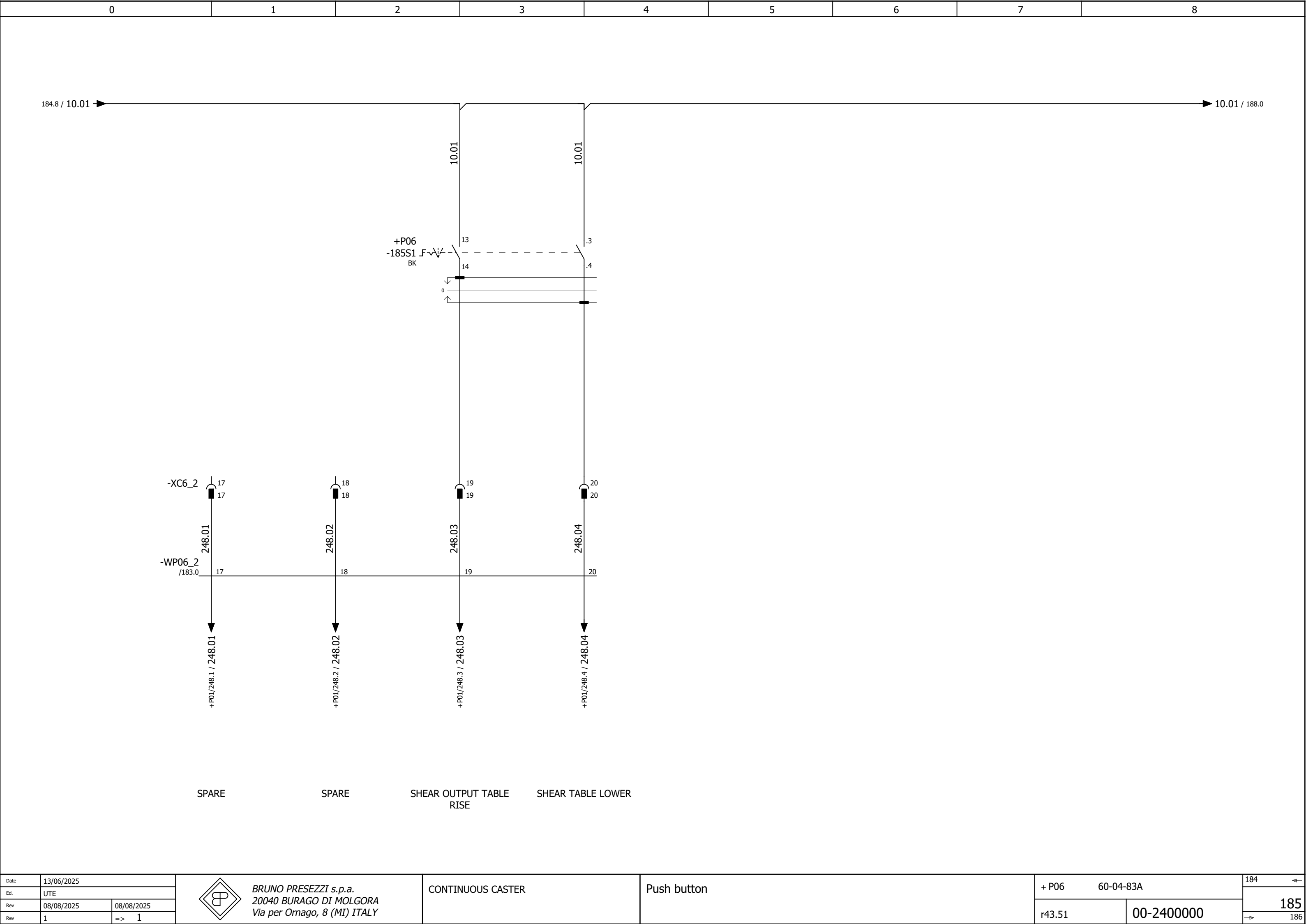
Assignment	Page	Page description	Revision	Edited by
+P06		CONTROL DESK RECOILER		
	500.c	Parts list	1	UTE
	500.d	Parts list	1	UTE
	500.e	Parts list	1	UTE

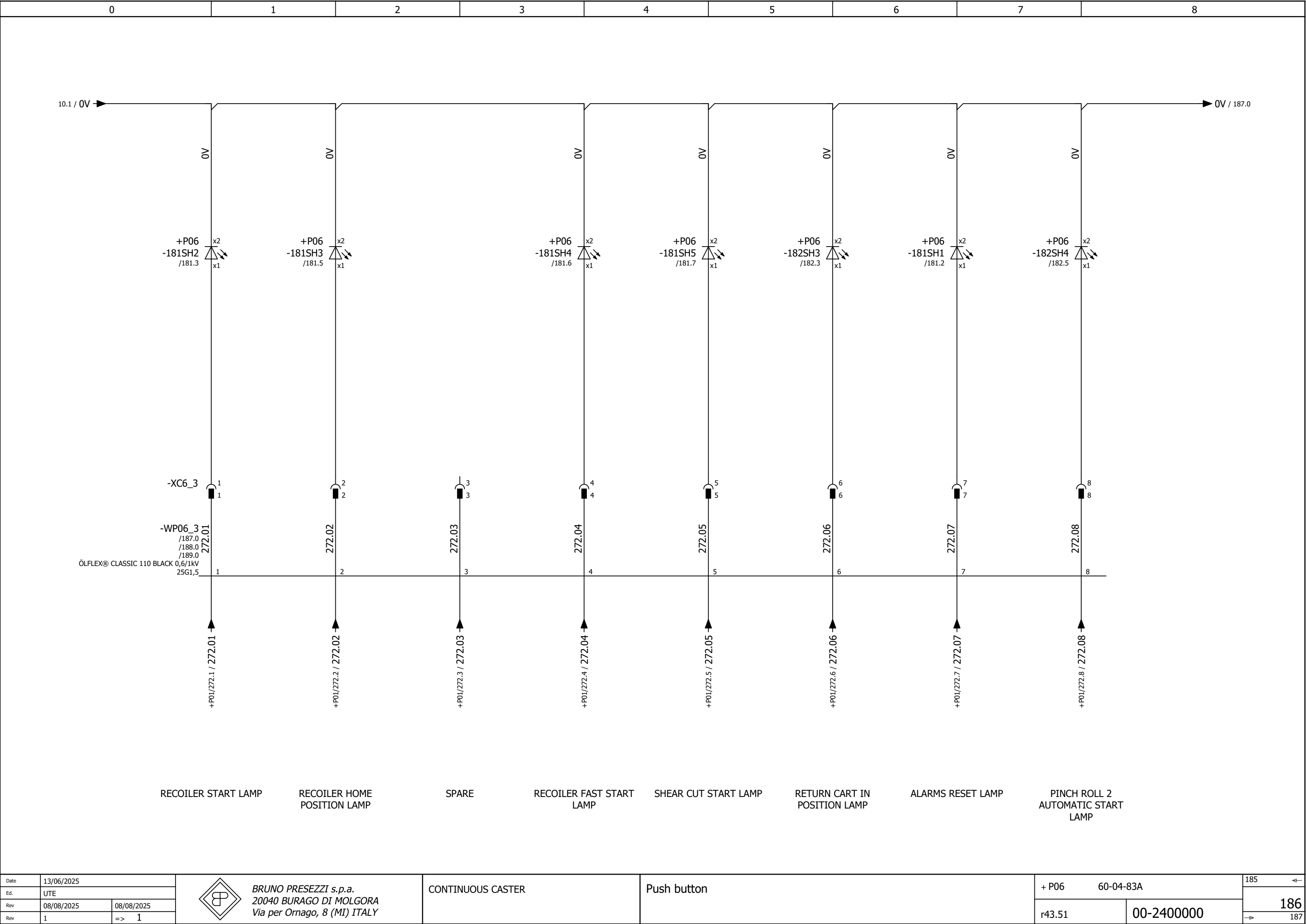


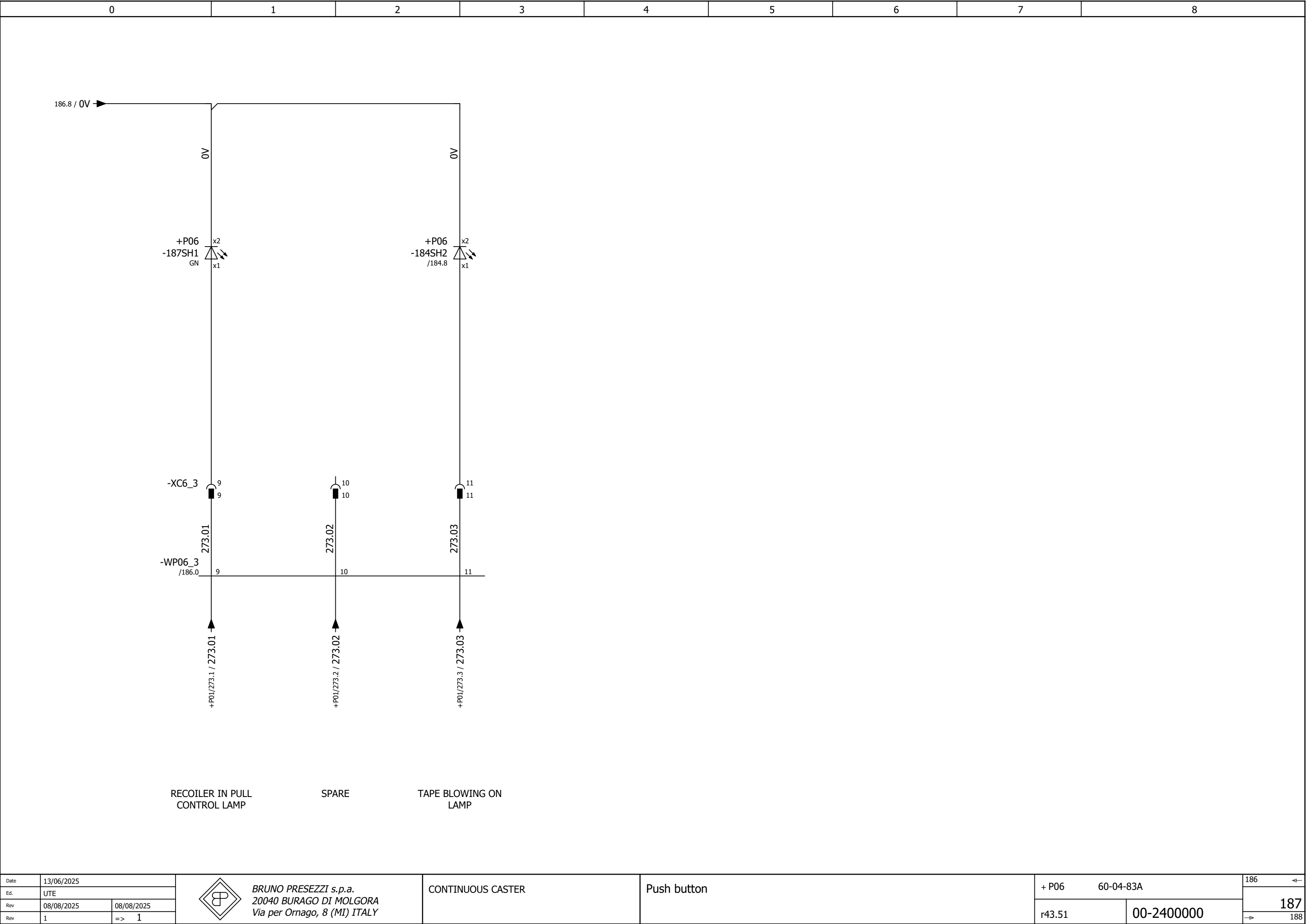


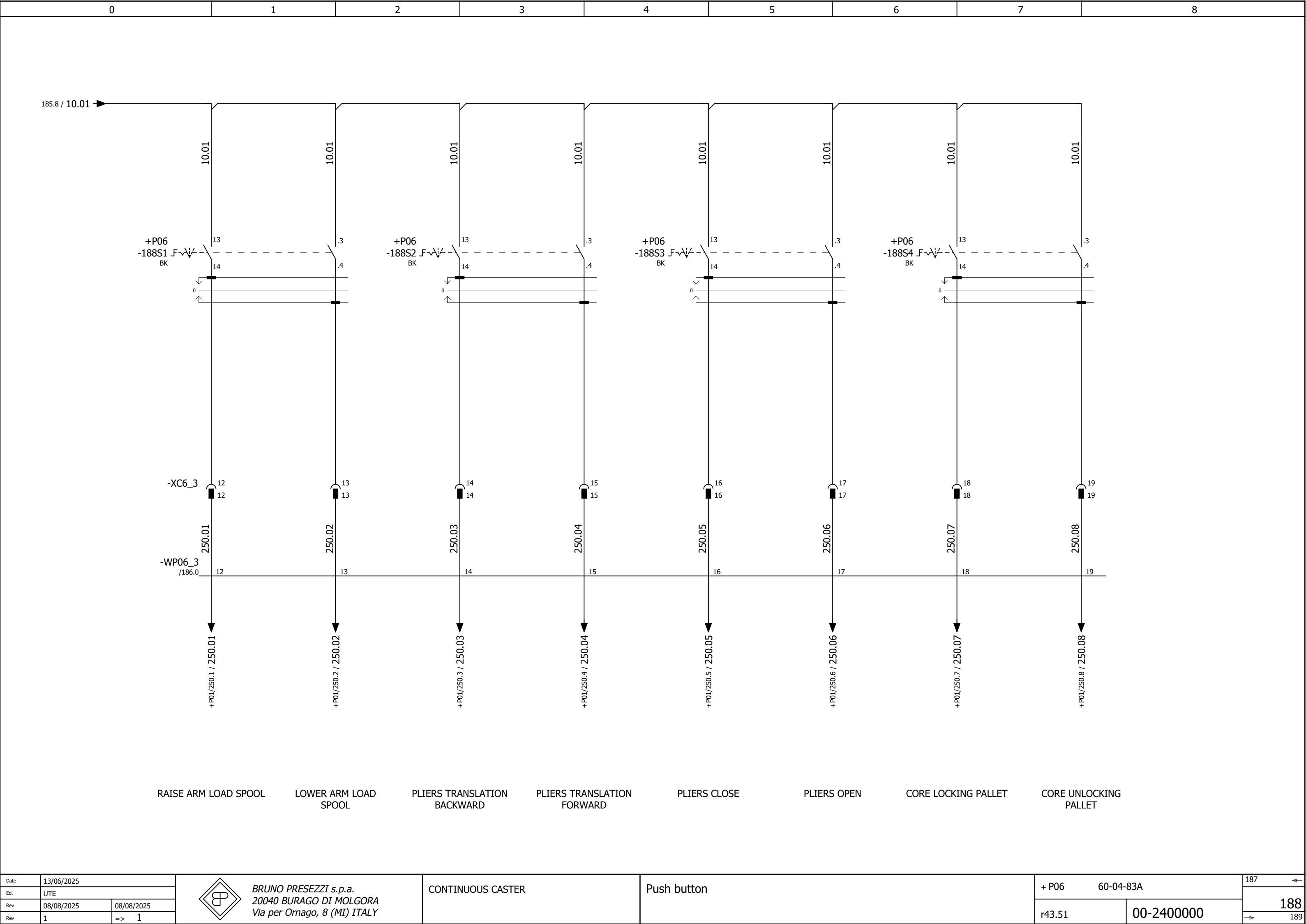












Date

13/06/2025

Ed.

UTE

Rev

08/08/2025

08/08/2025

Rev

1

=> 1

BRUNO PRESEZZI s.p.a.

20040 BURAGO DI MOLGORA

Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Push button

+ P06

60-04-83A

r43.51

00-2400000

187

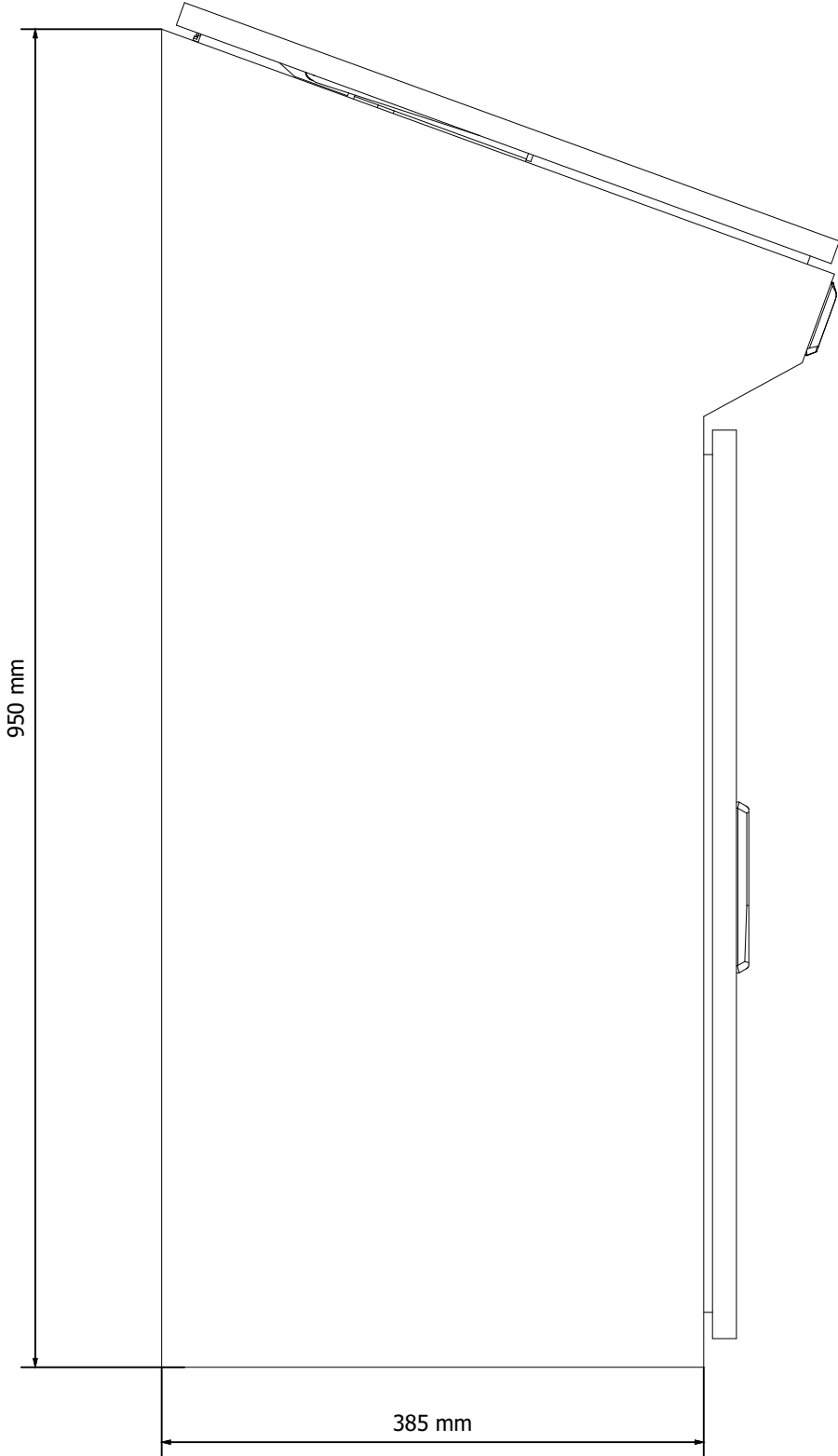
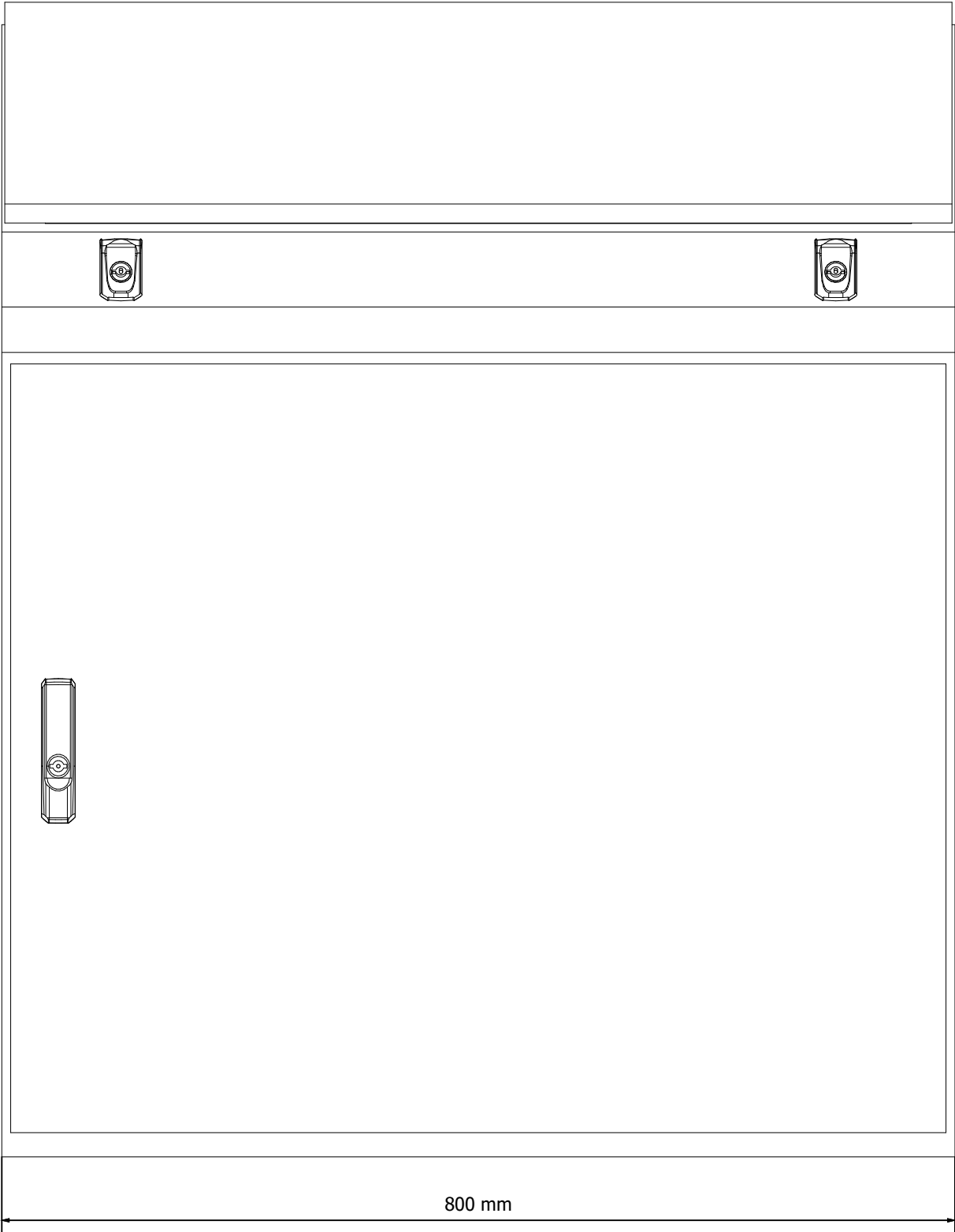
188

189

0	1	2	3	4	5	6	7	8	
<div>TERMINAL STRIP AND COTORS</div> <div><div>-XC6_1 = Connector signal P01</div><div>-XC6_1 = Connector signal P01</div><div>-XC6_2 = Connector signal P01</div><div>-XC6_2 = Connector signal P01</div><div>-XC6_3 = Connector signal P01</div><div>-XC6_3 = Connector signal P01</div></div>									
Date	13/06/2025		<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Terminal strip	+ P0660-04-83A		189	
Ed.	UTE					380			
Rev	08/08/2025	08/08/2025							
Rev	1	=> 1				r43.51	00-2400000	390	

P06

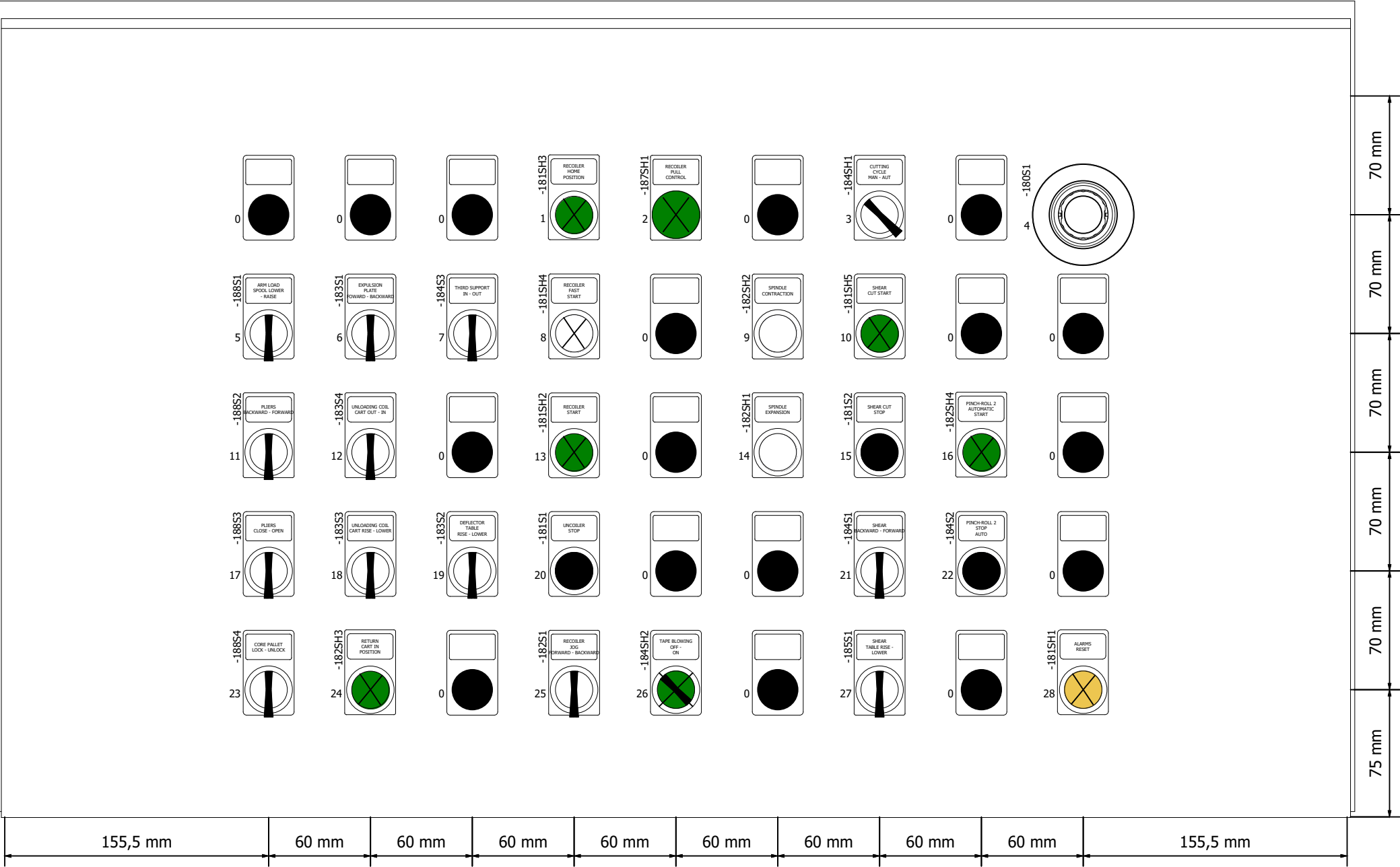
FRONT DOOR
STAINLESS STEEL



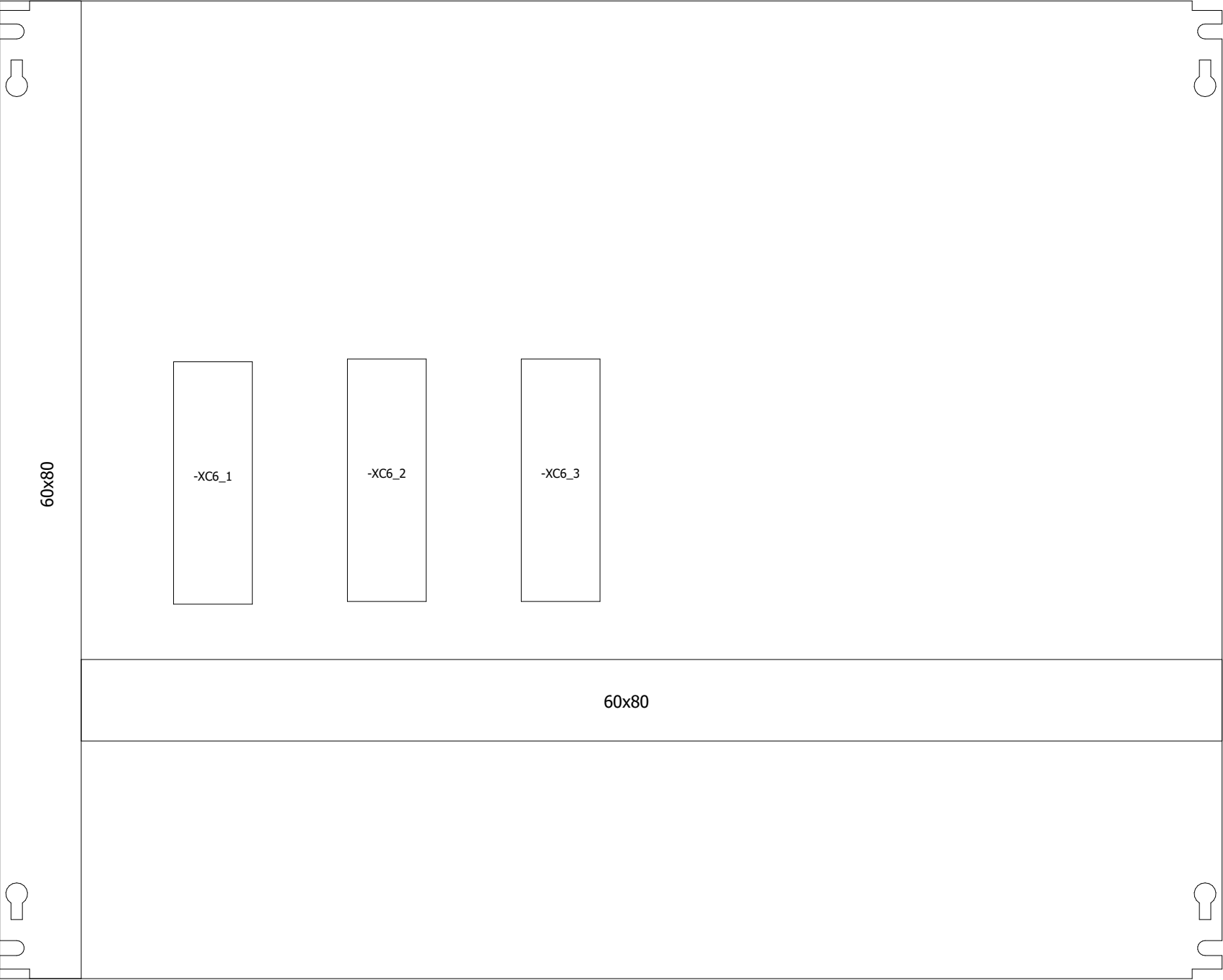
P06

FRONT DOOR

STAINLESS STEEL



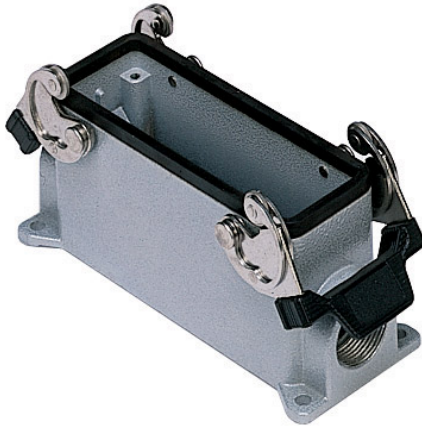
P06



Plug diagram

F22_003_Presezzi

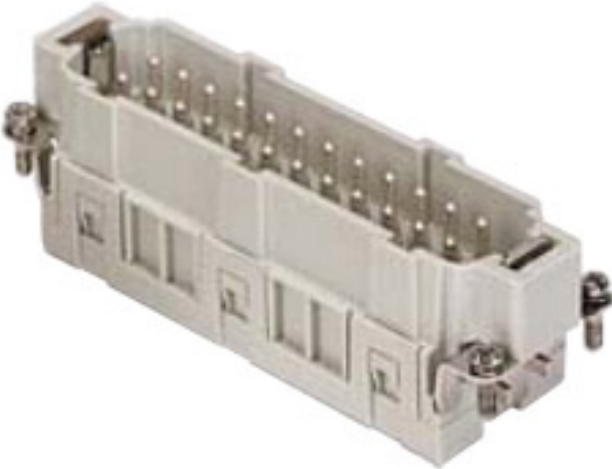
Plug =+P06-XC6_1			
Plug target	Contact	Female pin target	Page / path
-XC6_1:1	1	-181SH1:13	&SCH/10.1
-XC6_1:2	2	-181SH2:x2	&SCH/10.1
-XC6_1:3	3	-180S1:12	&SCH/180.1
-XC6_1:4	4	-180S1:11	&SCH/180.1
-XC6_1:5	5	-180S1:..2	&SCH/180.2
-XC6_1:6	6	-180S1:..1	&SCH/180.2
-XC6_1:7	7		&SCH/181.1
-XC6_1:8	8	-181SH1:14	&SCH/181.2
-XC6_1:9	9	-181SH2:14	&SCH/181.3
-XC6_1:10	10	-181S1:12	&SCH/181.4
-XC6_1:11	11	-181SH3:14	&SCH/181.5
-XC6_1:12	12	-181SH4:14	&SCH/181.6
-XC6_1:13	13	-181SH5:14	&SCH/181.7
-XC6_1:14	14	-181S2:12	&SCH/181.8
-XC6_1:15	15	-182SH1:14	&SCH/182.1
-XC6_1:16	16	-182SH2:14	&SCH/182.2
-XC6_1:17	17	-182SH3:14	&SCH/182.3
-XC6_1:18	18		&SCH/182.4
-XC6_1:19	19	-182SH4:14	&SCH/182.5
-XC6_1:20	20		&SCH/182.6
-XC6_1:21	21	-182S1:14	&SCH/182.7
-XC6_1:22	22	-182S1:..4	&SCH/182.8
	23		
	24		
+P01-XC1_1:PE	PE	-EQP	&SCH/10.1



Plug diagram

F22_003_Presezzi

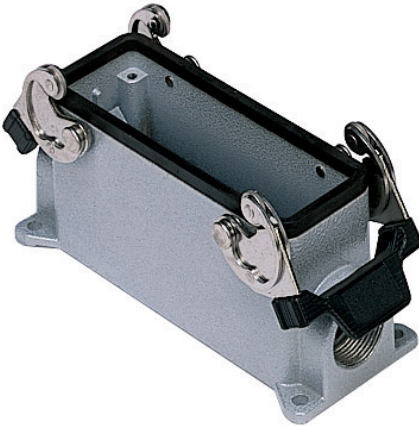
Plug =+P06-XC6_1			
Plug target	Contact	Female pin target	Page / path
+P01-XC1_1:1:1	1	-XC6_1:1	&SCH/10.1
+P01-XC1_1:2:2	2	-XC6_1:2	&SCH/10.1
+P01-XC1_1:3:3	3	-XC6_1:3	&SCH/180.1
+P01-XC1_1:4:4	4	-XC6_1:4	&SCH/180.1
+P01-XC1_1:5:5	5	-XC6_1:5	&SCH/180.2
+P01-XC1_1:6:6	6	-XC6_1:6	&SCH/180.2
+P01-XC1_1:7:7	7	-XC6_1:7	&SCH/181.1
+P01-XC1_1:8:8	8	-XC6_1:8	&SCH/181.2
+P01-XC1_1:9:9	9	-XC6_1:9	&SCH/181.3
+P01-XC1_1:10:10	10	-XC6_1:10	&SCH/181.4
+P01-XC1_1:11:11	11	-XC6_1:11	&SCH/181.5
+P01-XC1_1:12:12	12	-XC6_1:12	&SCH/181.6
+P01-XC1_1:13:13	13	-XC6_1:13	&SCH/181.7
+P01-XC1_1:14:14	14	-XC6_1:14	&SCH/181.8
+P01-XC1_1:15:15	15	-XC6_1:15	&SCH/182.1
+P01-XC1_1:16:16	16	-XC6_1:16	&SCH/182.2
+P01-XC1_1:17:17	17	-XC6_1:17	&SCH/182.3
+P01-XC1_1:18:18	18	-XC6_1:18	&SCH/182.4
+P01-XC1_1:19:19	19	-XC6_1:19	&SCH/182.5
+P01-XC1_1:20:20	20	-XC6_1:20	&SCH/182.6
+P01-XC1_1:21:21	21	-XC6_1:21	&SCH/182.7
+P01-XC1_1:22:22	22	-XC6_1:22	&SCH/182.8



Plug diagram

F22_003_Presezzi

Plug =+P06-XC6_2			
Plug target	Contact	Female pin target	Page / path
-XC6_2:1	1	-183S1:14	&SCH/183.1
-XC6_2:2	2	-183S1:.4	&SCH/183.2
-XC6_2:3	3	-183S2:14	&SCH/183.3
-XC6_2:4	4	-183S2:.4	&SCH/183.4
-XC6_2:5	5	-183S3:14	&SCH/183.5
-XC6_2:6	6	-183S3:.4	&SCH/183.6
-XC6_2:7	7	-183S4:14	&SCH/183.7
-XC6_2:8	8	-183S4:.4	&SCH/183.8
-XC6_2:9	9	-184S1:14	&SCH/184.1
-XC6_2:10	10	-184S1:.4	&SCH/184.2
-XC6_2:11	11	-184S2:14	&SCH/184.3
-XC6_2:12	12		&SCH/184.4
-XC6_2:13	13	-184SH1:14	&SCH/184.5
-XC6_2:14	14	-184S3:14	&SCH/184.6
-XC6_2:15	15	-184S3:.4	&SCH/184.7
-XC6_2:16	16	-184SH2:14	&SCH/184.8
-XC6_2:17	17		&SCH/185.1
-XC6_2:18	18		&SCH/185.2
-XC6_2:19	19	-185S1:14	&SCH/185.3
-XC6_2:20	20	-185S1:.4	&SCH/185.4
	21		
	22		
	23		
	24		
	PE		



Plug diagram

F22_003_Presezzi

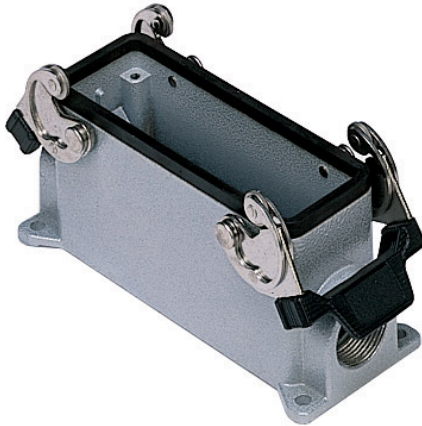
Plug =+P06-XC6_2			
Plug target	Contact	Female pin target	Page / path
+P01-XC1_2:1:1	1	-XC6_2:1	&SCH/183.1
+P01-XC1_2:2:2	2	-XC6_2:2	&SCH/183.2
+P01-XC1_2:3:3	3	-XC6_2:3	&SCH/183.3
+P01-XC1_2:4:4	4	-XC6_2:4	&SCH/183.4
+P01-XC1_2:5:5	5	-XC6_2:5	&SCH/183.5
+P01-XC1_2:6:6	6	-XC6_2:6	&SCH/183.6
+P01-XC1_2:7:7	7	-XC6_2:7	&SCH/183.7
+P01-XC1_2:8:8	8	-XC6_2:8	&SCH/183.8
+P01-XC1_2:9:9	9	-XC6_2:9	&SCH/184.1
+P01-XC1_2:10:10	10	-XC6_2:10	&SCH/184.2
+P01-XC1_2:11:11	11	-XC6_2:11	&SCH/184.3
+P01-XC1_2:12:12	12	-XC6_2:12	&SCH/184.4
+P01-XC1_2:13:13	13	-XC6_2:13	&SCH/184.5
+P01-XC1_2:14:14	14	-XC6_2:14	&SCH/184.6
+P01-XC1_2:15:15	15	-XC6_2:15	&SCH/184.7
+P01-XC1_2:16:16	16	-XC6_2:16	&SCH/184.8
+P01-XC1_2:17:17	17	-XC6_2:17	&SCH/185.1
+P01-XC1_2:18:18	18	-XC6_2:18	&SCH/185.2
+P01-XC1_2:19:19	19	-XC6_2:19	&SCH/185.3
+P01-XC1_2:20:20	20	-XC6_2:20	&SCH/185.4



Plug diagram

F22_003_Presezzi

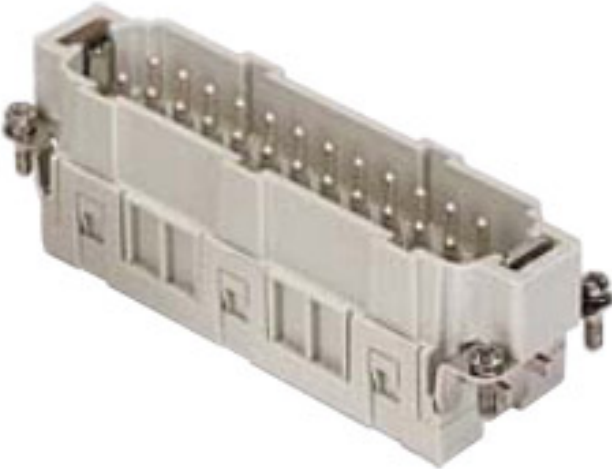
Plug =+P06-XC6_3			
Plug target	Contact	Female pin target	Page / path
-XC6_3:1	1	-181SH2:x1	&SCH/186.1
-XC6_3:2	2	-181SH3:x1	&SCH/186.2
-XC6_3:3	3		&SCH/186.3
-XC6_3:4	4	-181SH4:x1	&SCH/186.4
-XC6_3:5	5	-181SH5:x1	&SCH/186.5
-XC6_3:6	6	-182SH3:x1	&SCH/186.6
-XC6_3:7	7	-181SH1:x1	&SCH/186.7
-XC6_3:8	8	-182SH4:x1	&SCH/186.8
-XC6_3:9	9	-187SH1:x1	&SCH/187.1
-XC6_3:10	10		&SCH/187.2
-XC6_3:11	11	-184SH2:x1	&SCH/187.3
-XC6_3:12	12	-188S1:14	&SCH/188.1
-XC6_3:13	13	-188S1:.4	&SCH/188.2
-XC6_3:14	14	-188S2:14	&SCH/188.3
-XC6_3:15	15	-188S2:.4	&SCH/188.4
-XC6_3:16	16	-188S3:14	&SCH/188.5
-XC6_3:17	17	-188S3:.4	&SCH/188.6
-XC6_3:18	18	-188S4:14	&SCH/188.7
-XC6_3:19	19	-188S4:.4	&SCH/188.8
-XC6_3:20	20		&SCH/189.1
-XC6_3:21	21		&SCH/189.2
	22		
	23		
	24		
	PE		



Plug diagram

F22_003_Presezzi

Plug =+P06-XC6_3			
Plug target	Contact	Female pin target	Page / path
+P01-XC1_3:1:1	1	-XC6_3:1	&SCH/186.1
+P01-XC1_3:2:2	2	-XC6_3:2	&SCH/186.2
+P01-XC1_3:3:3	3	-XC6_3:3	&SCH/186.3
+P01-XC1_3:4:4	4	-XC6_3:4	&SCH/186.4
+P01-XC1_3:5:5	5	-XC6_3:5	&SCH/186.5
+P01-XC1_3:6:6	6	-XC6_3:6	&SCH/186.6
+P01-XC1_3:7:7	7	-XC6_3:7	&SCH/186.7
+P01-XC1_3:8:8	8	-XC6_3:8	&SCH/186.8
+P01-XC1_3:9:9	9	-XC6_3:9	&SCH/187.1
+P01-XC1_3:10:10	10	-XC6_3:10	&SCH/187.2
+P01-XC1_3:11:11	11	-XC6_3:11	&SCH/187.3
+P01-XC1_3:12:12	12	-XC6_3:12	&SCH/188.1
+P01-XC1_3:13:13	13	-XC6_3:13	&SCH/188.2
+P01-XC1_3:14:14	14	-XC6_3:14	&SCH/188.3
+P01-XC1_3:15:15	15	-XC6_3:15	&SCH/188.4
+P01-XC1_3:16:16	16	-XC6_3:16	&SCH/188.5
+P01-XC1_3:17:17	17	-XC6_3:17	&SCH/188.6
+P01-XC1_3:18:18	18	-XC6_3:18	&SCH/188.7
+P01-XC1_3:19:19	19	-XC6_3:19	&SCH/188.8
+P01-XC1_3:20:20	20	-XC6_3:20	&SCH/189.1
+P01-XC1_3:21:21	21	-XC6_3:21	&SCH/189.2



Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-180S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-180S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-180S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-180S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-181S1	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-181S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-181S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-181S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-181S2	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-181S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-181S2	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-181S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-181SH1	1	Pushbutton	ZB4BW383	Schneider Electric	SE.ZB4BW383
-181SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-181SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-181SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-181SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-181SH2	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-181SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-181SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-181SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-181SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-181SH3	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-181SH3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-181SH3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-181SH3	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-181SH3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-181SH4	1	Pushbutton	ZB4BW313	Schneider Electric	SE.ZB4BW313
-181SH4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-181SH4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-181SH4	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-181SH4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-181SH5	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-181SH5	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-181SH5	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-181SH5	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-181SH5	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-182S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-182S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-182S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-182S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-182SH1	1	Pushbutton	ZB4BA1	Schneider Electric	SE.ZB4BA1
-182SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-182SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-182SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-182SH2	1	Pushbutton	ZB4BA1	Schneider Electric	SE.ZB4BA1
-182SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-182SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-182SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-182SH3	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-182SH3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-182SH3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-182SH3	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-182SH3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-182SH4	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-182SH4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-182SH4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-182SH4	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-182SH4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-183S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-183S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-183S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-183S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-183S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-183S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-183S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-183S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-183S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-183S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-183S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-183S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-183S4	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-183S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-183S4	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-183S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-184S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-184S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-184S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-184S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-184S2	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-184S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-184S2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-184S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-184S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-184S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-184S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-184S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-184SH1	1	Selector switch	ZB4BJ2	Schneider Electric	SE.ZB4BJ2
-184SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-184SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-184SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-184SH2	1	Selector switch	ZB4BK1233	Schneider Electric	SE.ZB4BK1233
-184SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-184SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-184SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-184SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-185S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-185S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-185S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-185S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-187SH1	1	Lamp	ZB4BV033	Schneider Electric	SE.ZB4BV033
-187SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-187SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-187SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-188S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-188S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-188S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-188S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-188S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-188S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-188S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-188S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-188S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-188S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-188S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-188S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-188S4	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-188S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-188S4	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-188S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-XC6_1	1	Cover connector	MAP 24.40	ILME	ILME.MAP 24.40
-XC6_1	1	Male insert	CSEF 24	ILME	ILME.CSEF 24
-XC6_1	1	Cover connector	MAO 24.32	ILME	ILME.MAO 24.32
-XC6_1	1	Female Insert	CSEM 24	ILME	ILME.CSEM 24
-XC6_2	1	Cover connector	MAP 24.40	ILME	ILME.MAP 24.40
-XC6_2	1	Male insert	CSEF 24	ILME	ILME.CSEF 24
-XC6_2	1	Cover connector	MAO 24.32	ILME	ILME.MAO 24.32
-XC6_2	1	Female Insert	CSEM 24	ILME	ILME.CSEM 24
-XC6_3	1	Cover connector	MAP 24.40	ILME	ILME.MAP 24.40
-XC6_3	1	Male insert	CSEF 24	ILME	ILME.CSEF 24
-XC6_3	1	Cover connector	MAO 24.32	ILME	ILME.MAO 24.32
-XC6_3	1	Female Insert	CSEM 24	ILME	ILME.CSEM 24
-390M1	1	One-piece console CX	CX.6748000	Rittal	RIT.6748000
-390M1	1	Base element	VX.8660003	Rittal	RIT.8660003
-390M1	1	Base element	VX.8660031	Rittal	RIT.8660031
-390M1	1	KX Box	KX.1574000	Rittal	RIT.1574000
-390M1	1	Wall mounting bracket	AX.2508020	Rittal	RIT.2508020
-391S1	17	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33

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Parts list																						
Device tag		Quantity	Designation						Type number		Manufacturer		Part number									
-391S1		17	Stopper						ZB5SZ3		Schneider Electric		SE.ZB5SZ3									
Date		13/06/2025		<div><div><div></div></div><div><div>BRUNO PRESEZZI s.p.a.</div><div>20040 BURAGO DI MOLGORA</div><div>Via per Ornago, 8 (MI) ITALY</div></div></div>				CONTINUOUS CASTER				Parts list				+ P06		60-04-83A		500.d		←
Ed.		UTE														500.e		→ +P07&DOC/1				
Rev	08/08/2025	08/08/2025																				
Rev	1	=>	1																r43.51		00-2400000	

WIRES COLOR TABLE









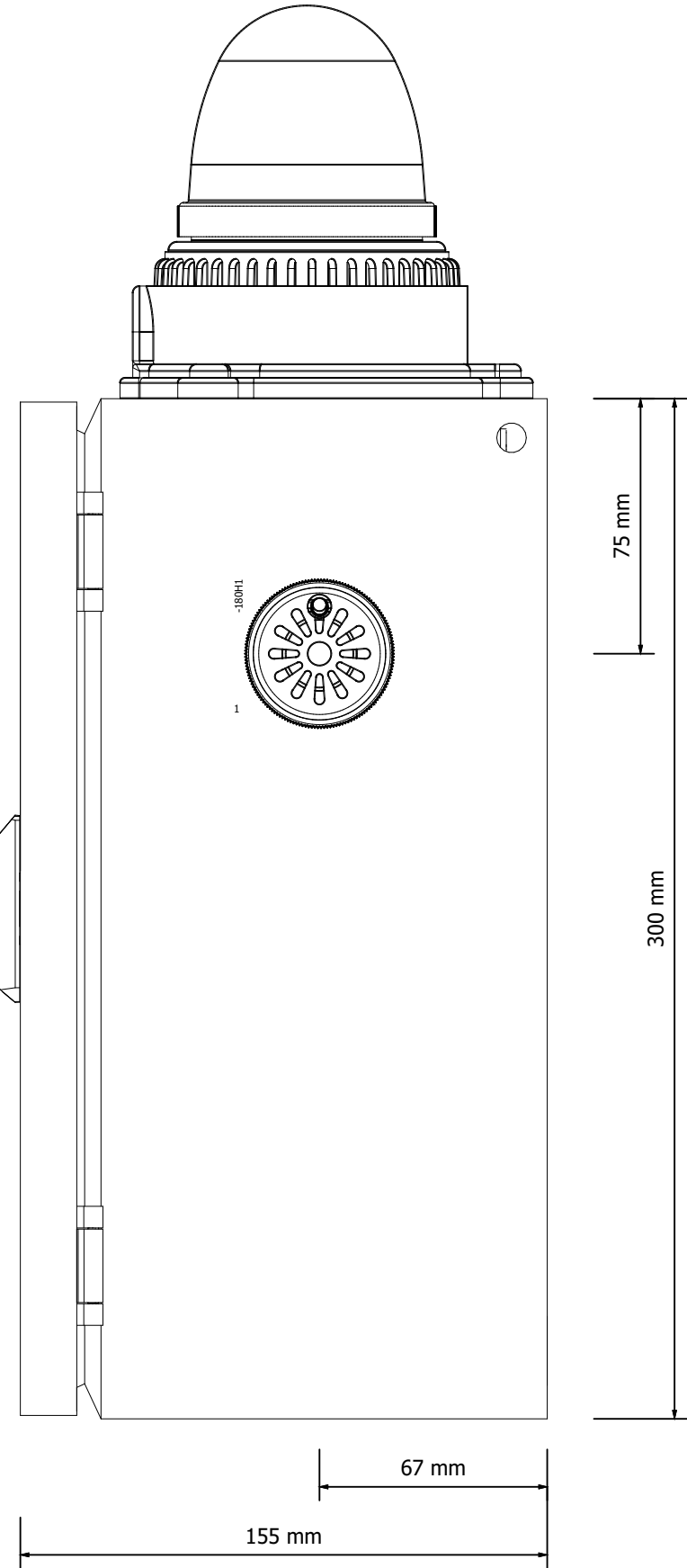
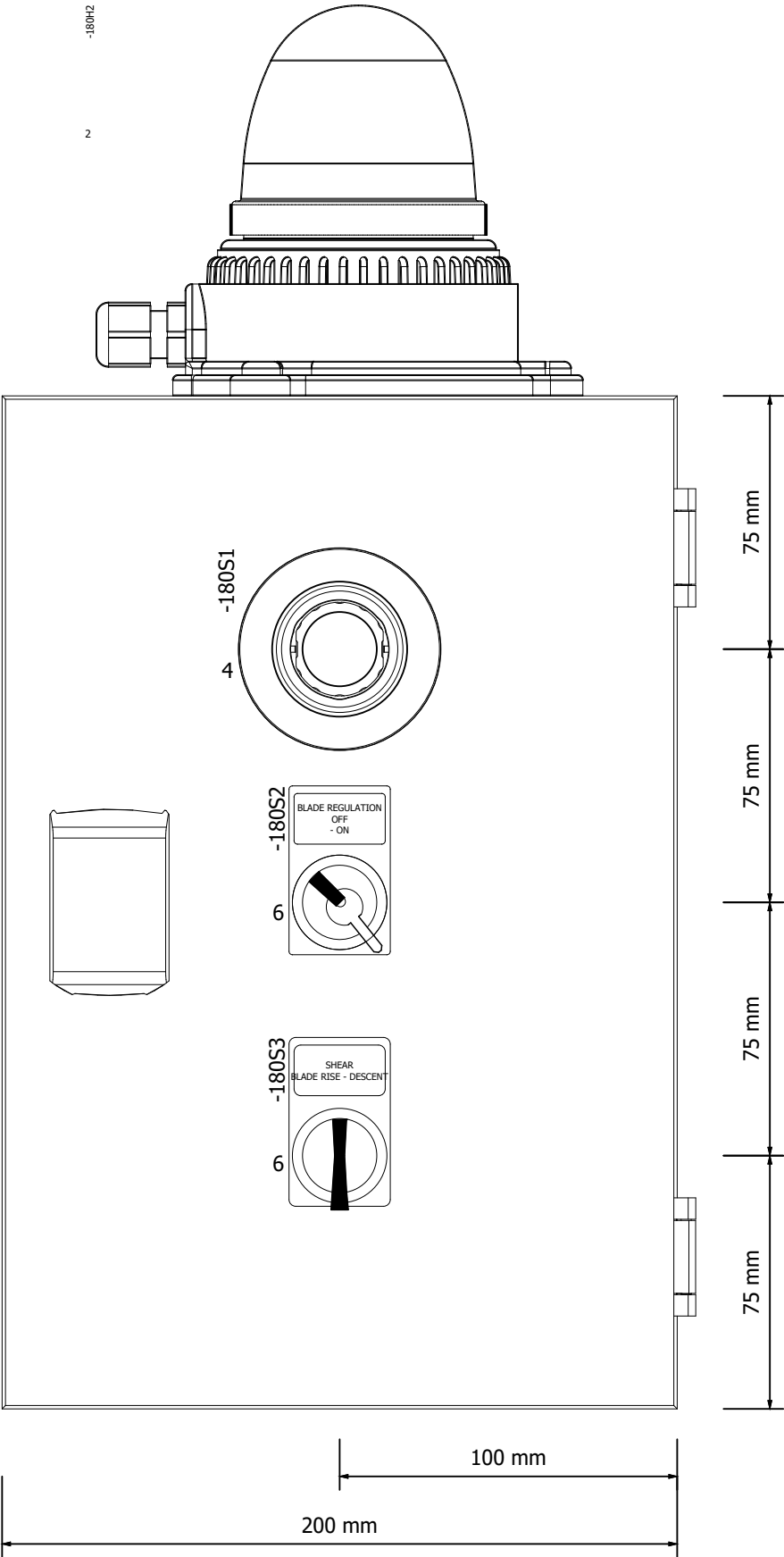
 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

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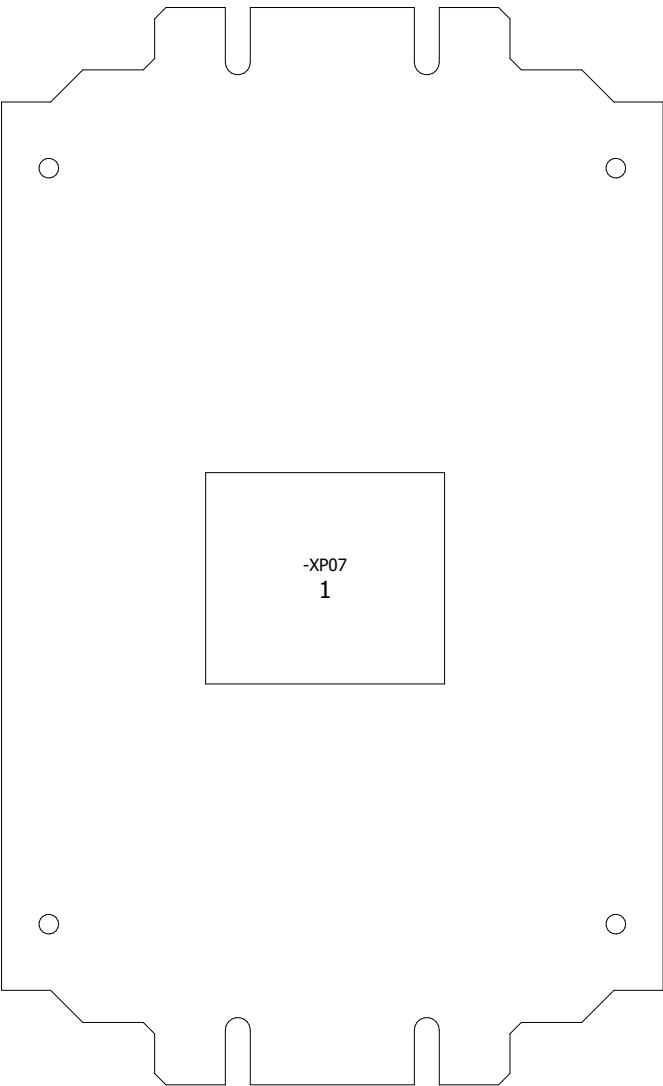
Assignment	Page	Page description	Revision	Edited by
+P07		PUSHBUTTON SHEAR		
	1	COVER	1	UTE
	2	WIRES COLOR TABLE	1	UTE
	4	Table of contents	1	UTE
	10	Supply Line	1	UTE
	180	Push button	1	UTE
	380	Terminal strip	1	UTE
	390	External layout	1	UTE
	391	Internal layout	1	UTE
	400	Terminal diagram =+P07-XP07	1	UTE
	500	Parts list	1	UTE

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<div>TERMINAL STRIP AND COTORS</div> <div>-XP07 = Control board P07 terminal strip</div>																							
Date		13/06/2025		<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>				CONTINUOUS CASTER				Terminal strip				+ P07		60-04-84A		180			
Ed.		UTE																		380			
Rev		08/08/2025														08/08/2025							
Rev		1														=>		1		r43.51		00-2400000	

P07




P07











Parts list


Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-XP07	10	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-180H1	1	Buzzer	42319	SIRENA	SIR.42319
-180H2	1	Blinking led	38802	SIRENA	SIR.38802
-180S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-180S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-180S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-180S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-180S2	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
-180S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-180S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-180S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-180S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-180S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-390M1	1	KX Box	KX.1574000	Rittal	RIT.1574000
-390M1	1	Wall mounting bracket	AX.2508020	Rittal	RIT.2508020

Date	13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	COVER	+ P08 60-04-85A		+P07&DIST/500
Ed.	UTE							1
Rev	08/08/2025	08/08/2025				r43.51	00-2400000	2
Rev	1	=> 1						

WIRES COLOR TABLE

 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

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Assignment				Page		Page description								Revision		Edited by	
+P08				BOX RECOILER													
				1		COVER								1		UTE	
				2		WIRES COLOR TABLE								1		UTE	
				4		Table of contents								1		UTE	
				4.a		Table of contents								1		UTE	
				4.b		Table of contents								1		UTE	
				10		Supply Line								1		UTE	
				15		Distribution 24Vdc								1		UTE	
				160		Encoder								1		UTE	
				170		Load cells								1		UTE	
				180		Push button								1		UTE	
				200		PLC								1		UTE	
				240		Digital inputs								1		UTE	
				241		Digital inputs								1		UTE	
				242		Digital inputs								1		UTE	
				243		Digital inputs								1		UTE	
				244		Digital inputs								1		UTE	
				245		Digital inputs								1		UTE	
				246		Digital inputs								1		UTE	
				247		Digital inputs								1		UTE	
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270		Digital outputs								1		UTE					
271		Digital outputs								1		UTE					
272		Digital outputs								1		UTE					
273		Digital outputs								1		UTE					

ate	13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Table of contents	+ P08 60-04-85A		2	<
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Assignment				Page		Page description								Revision		Edited by	
+P08				BOX RECOILER													
				290		Analog output								1		UTE	
				380		Terminal strip								1		UTE	
				390		External layout								1		UTE	
				391		External layout								1		UTE	
				393		Internal layout								1		UTE	
				394		Layout +JB21								1		UTE	
				395		Layout +JB24								1		UTE	
				396		Layout +JB25								1		UTE	
				397		Layout +JB29								1		UTE	
				400		Terminal diagram =+P08-X21								1		UTE	
				401		Terminal diagram =+P08-X23								1		UTE	
				401.a		Terminal diagram =+P08-X23								1		UTE	
				402		Terminal diagram =+P08-X24								1		UTE	
				403		Terminal diagram =+P08-X24V								1		UTE	
				403.a		Terminal diagram =+P08-X24V								1		UTE	
				404		Terminal diagram =+P08-X25								1		UTE	
				405		Terminal diagram =+P08-X29								1		UTE	
				406		Terminal diagram =+P08-XA								1		UTE	
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				407.c		Terminal diagram =+P08-XAI								1		UTE	
				408		Terminal diagram =+P08-XENC								1		UTE	
				409		Terminal diagram =+P08-XEV								1		UTE	
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409.b		Terminal diagram =+P08-XEV								1		UTE					
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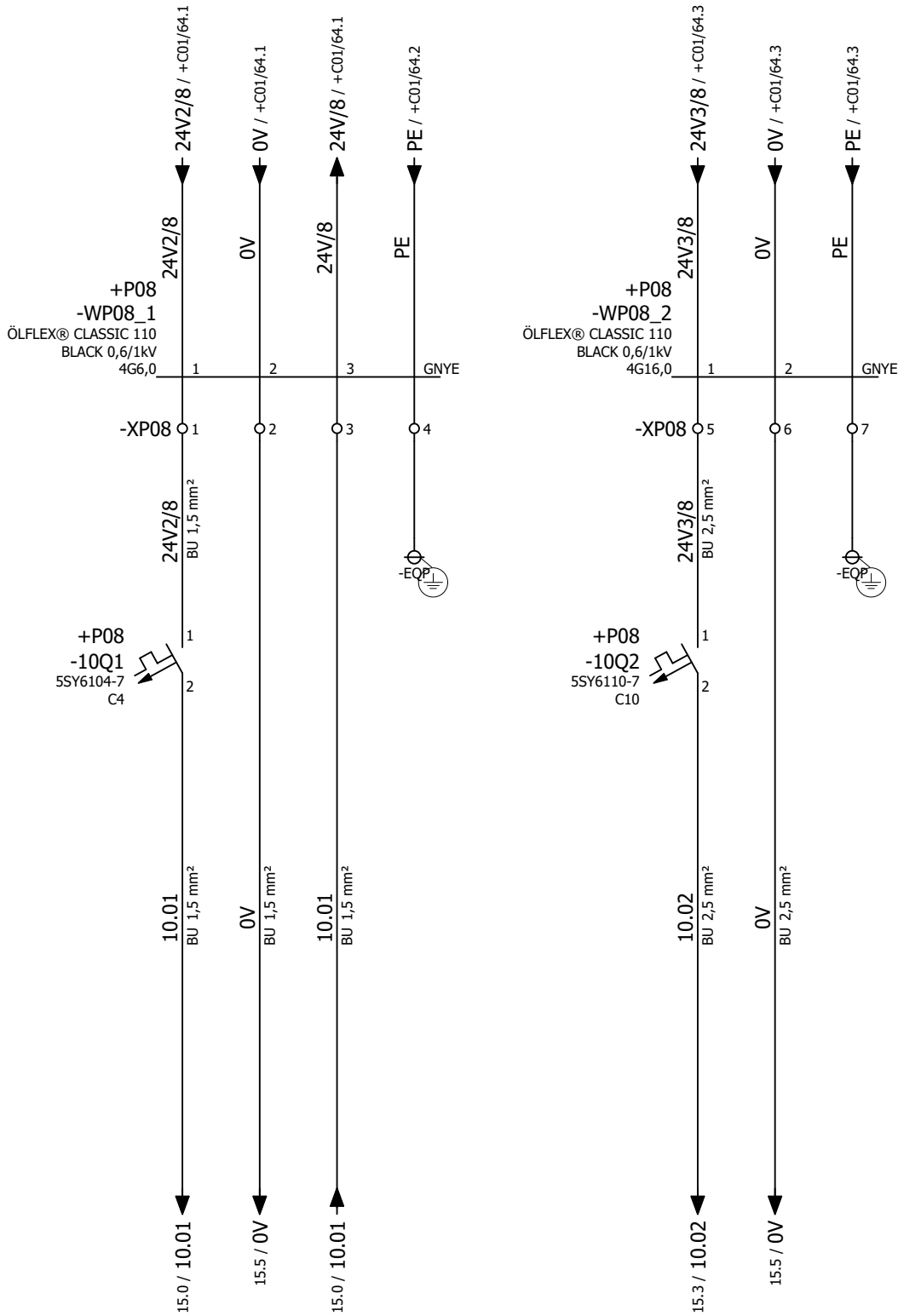
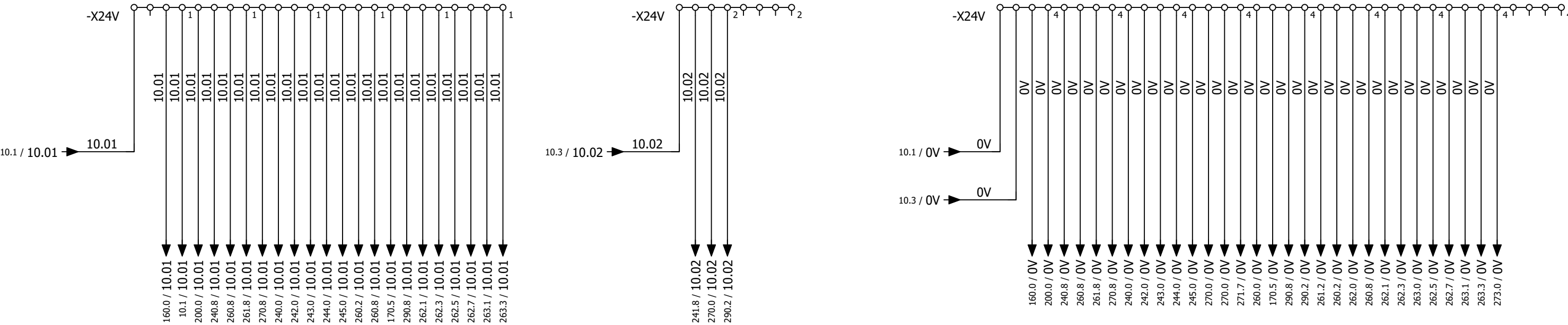
ate	13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Table of contents	+ P08 60-04-85A		4
i.	UTE							
ev	08/08/2025	08/08/2025				4.		
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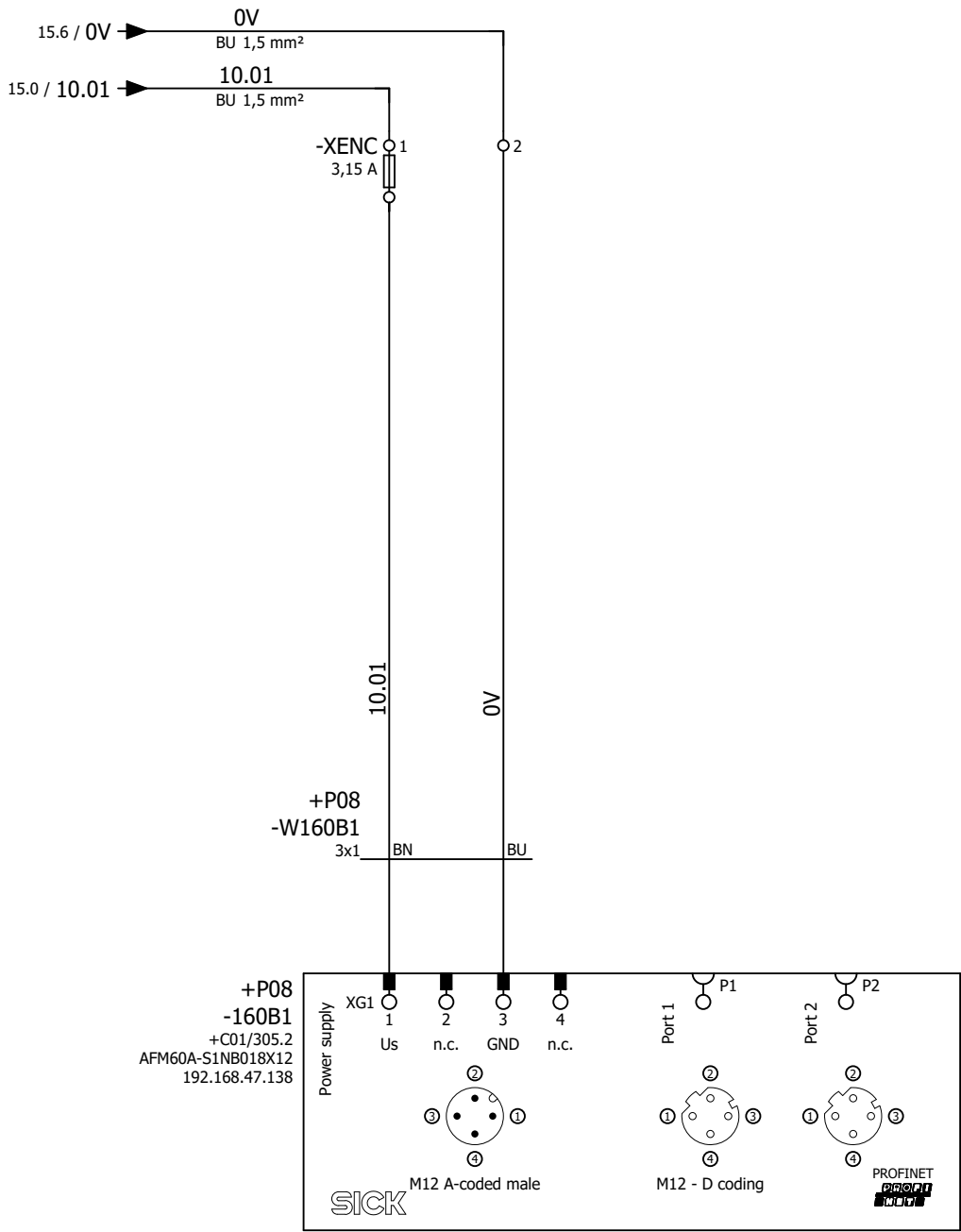
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Assignment	Page	Page description	Revision	Edited by
+P08		BOX RECOILER		
	411	Terminal diagram =+JB21-X21	1	UTE
	412	Terminal diagram =+JB24-X24	1	UTE
	413	Terminal diagram =+JB25-X25	1	UTE
	414	Terminal diagram =+JB25-X25.A	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE
	500.c	Parts list	1	UTE
	500.d	Parts list	1	UTE

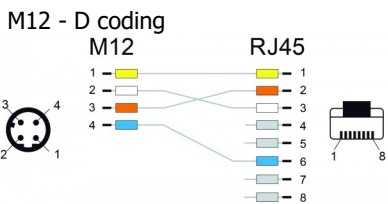


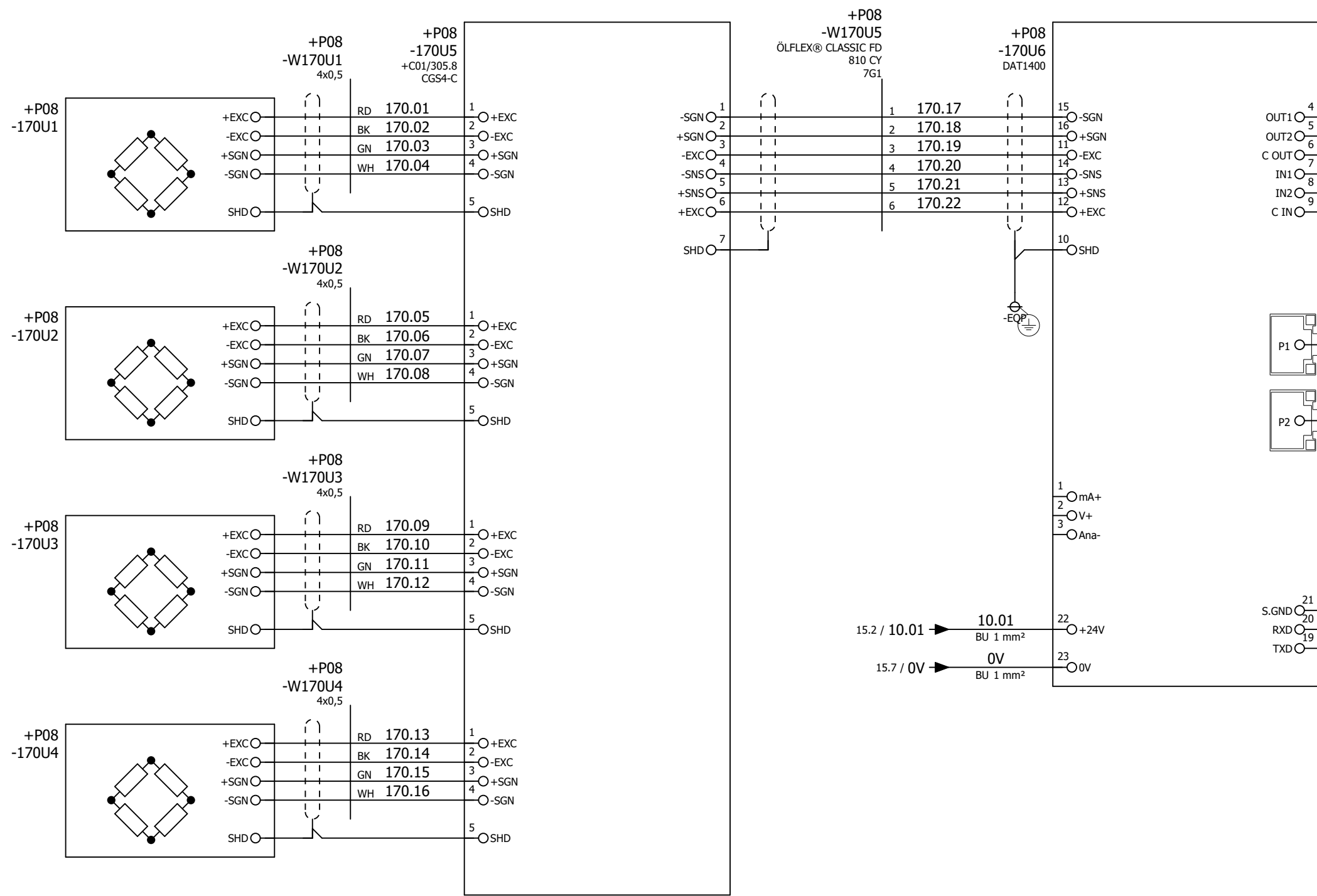


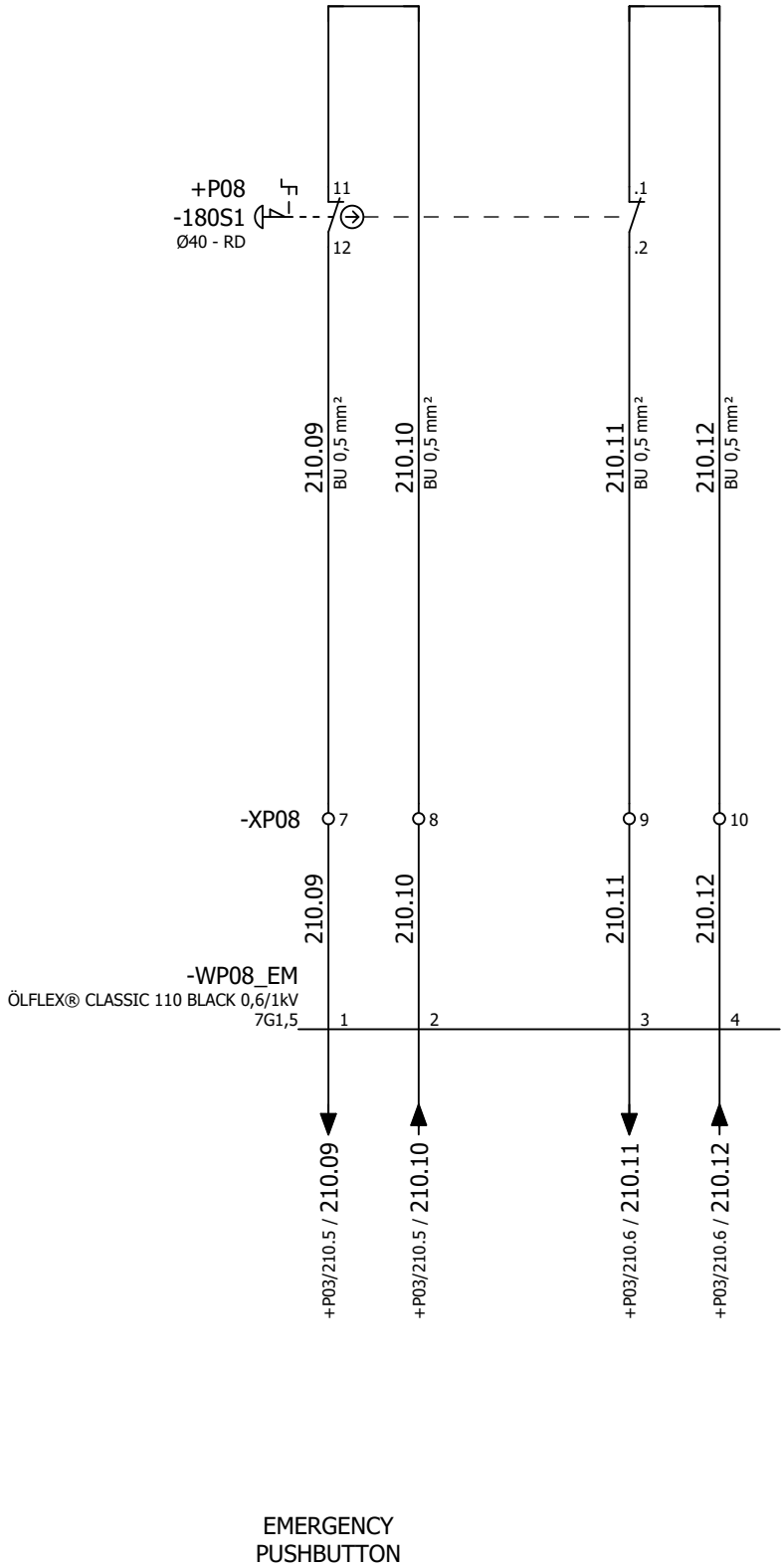
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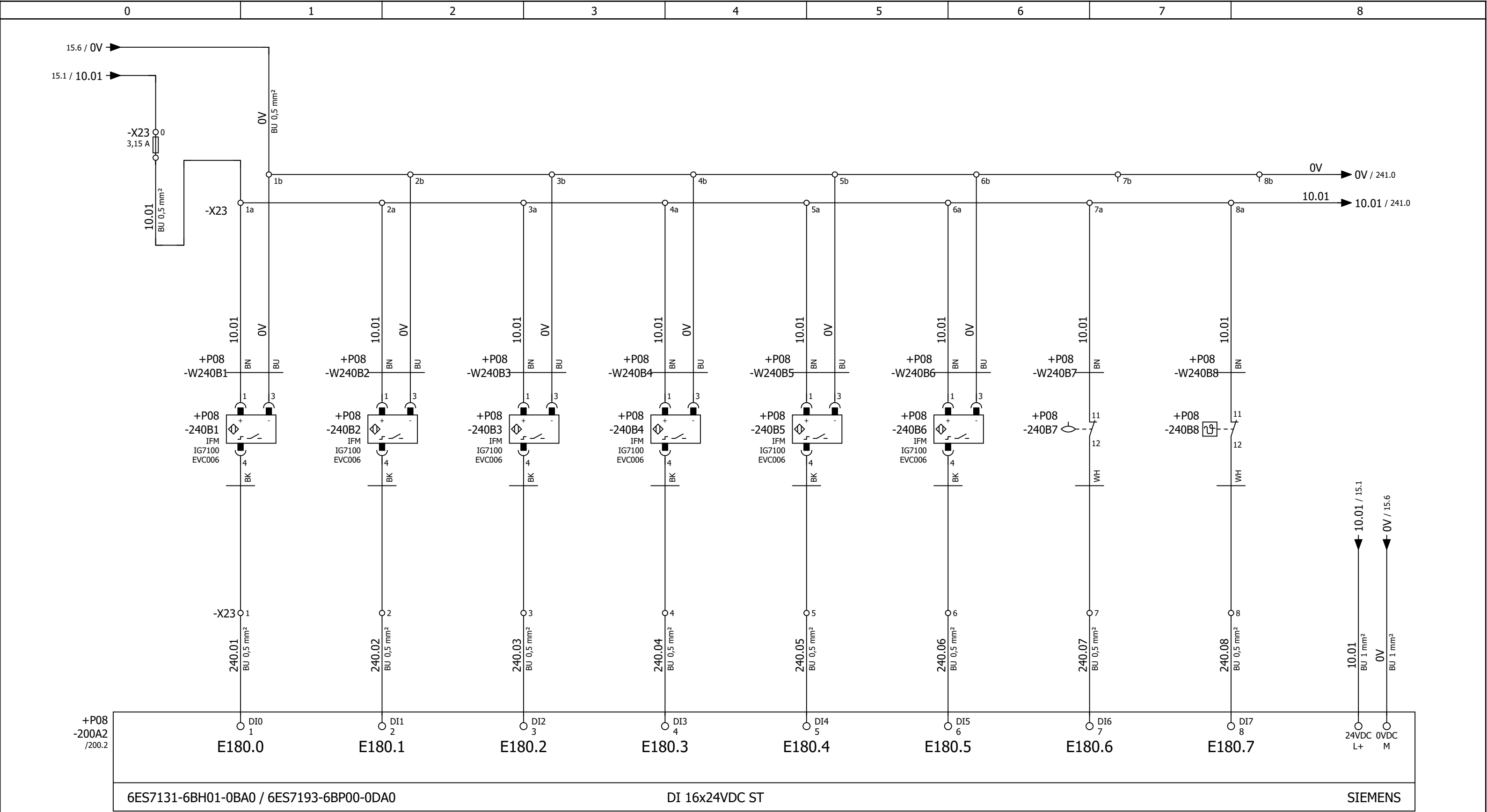


IDLER ROLLER ENCODER









COIL EJECTOR INSIDE
(BACKWARD)

COIL EJECTOR OUTSIDE
(FORWARD)

SPINDLE ANGULAR
POSITION CONTROL
WITH SPOOL

CLAMP SLOWDOWN
CONTROL WITH SPOOL

SPINDLE ANGULAR
POSITION CONTROL
WITHOUT SPOOL

CLAMP SLOWDOWN
CONTROL WITHOUT
SPOOL

REDUCERS OIL TANK
MINIMUM LEVEL

HEAT EXCHANGER
TEMPERATURE

Date	13/06/2025	
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Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

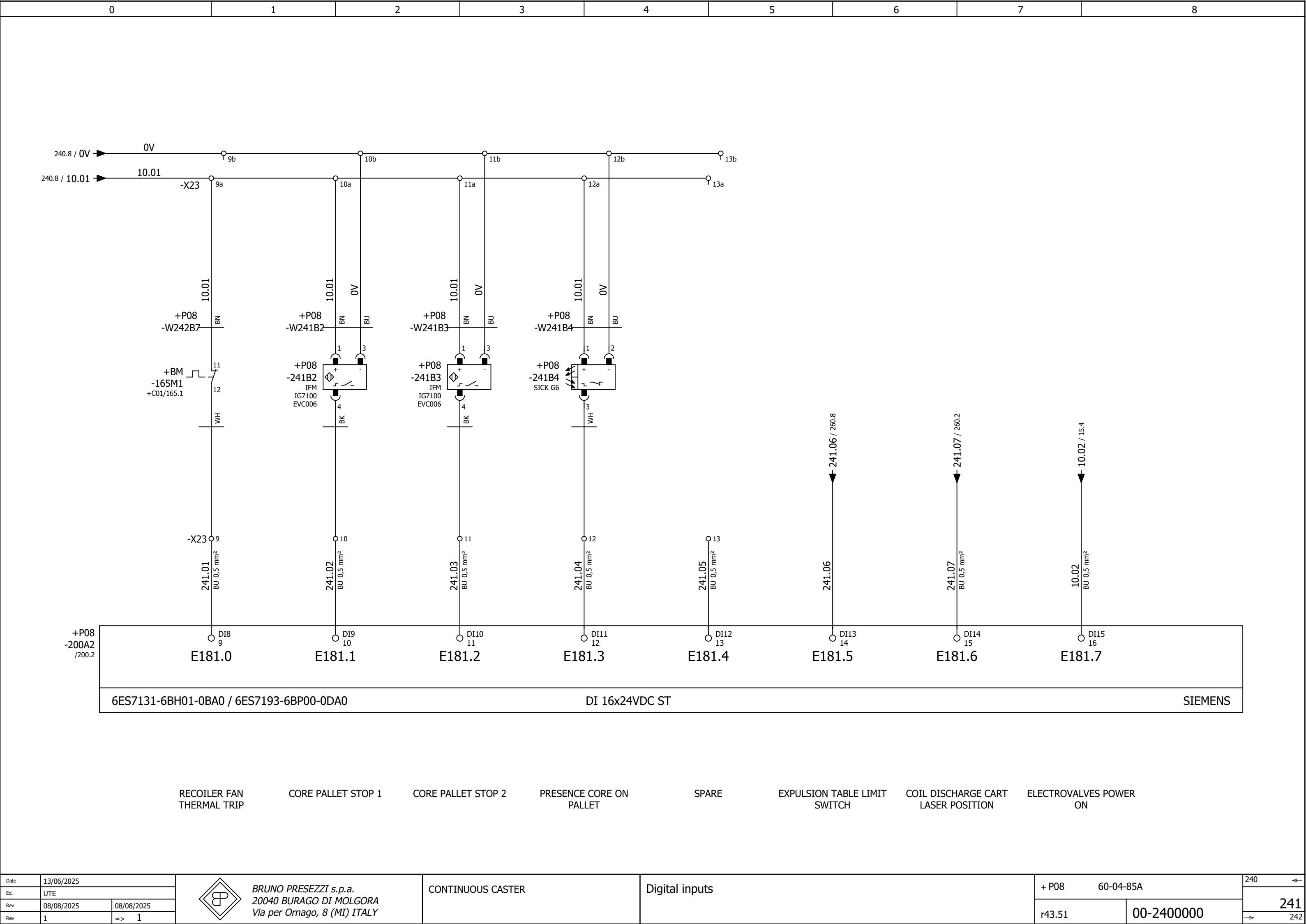
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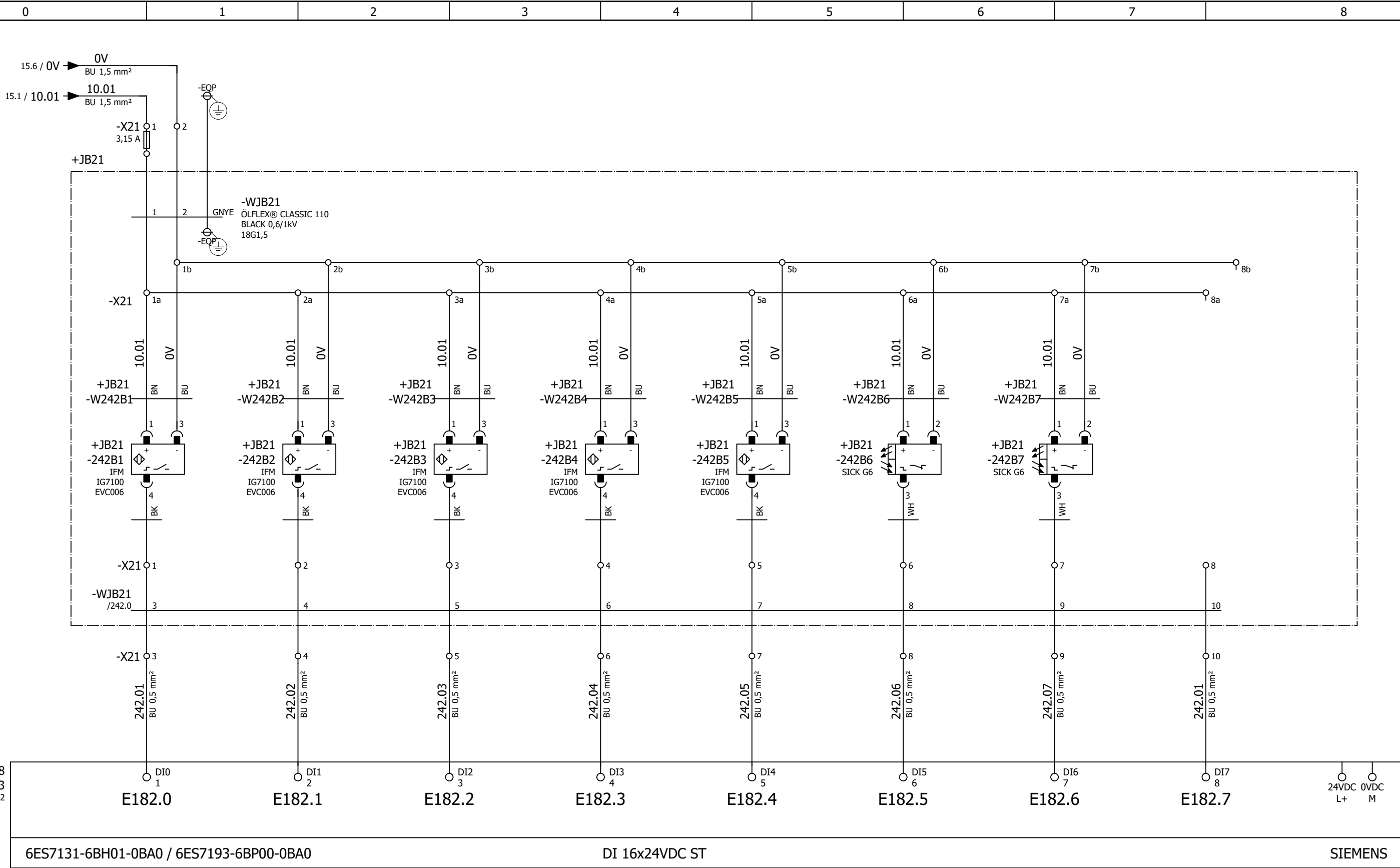
r43.51

00-2400000

200

240
241





DEFLECTOR TABLE
DOWN

DEFLECTOR TABLE UP

DEFLECTOR PLATE
INSIDE

DEFLECTOR PLATE ON
SPINDLE MANDREL

DEFLECTOR PLATE ON
SLOT MANDREL

SHEET PRESENCE 1 ON
DEFLECTOR TABLE

SHEET PRESENCE 2 ON
DEFLECTOR TABLE

SPARE

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Ed.	UTE	
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Rev	1	=> 1



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20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

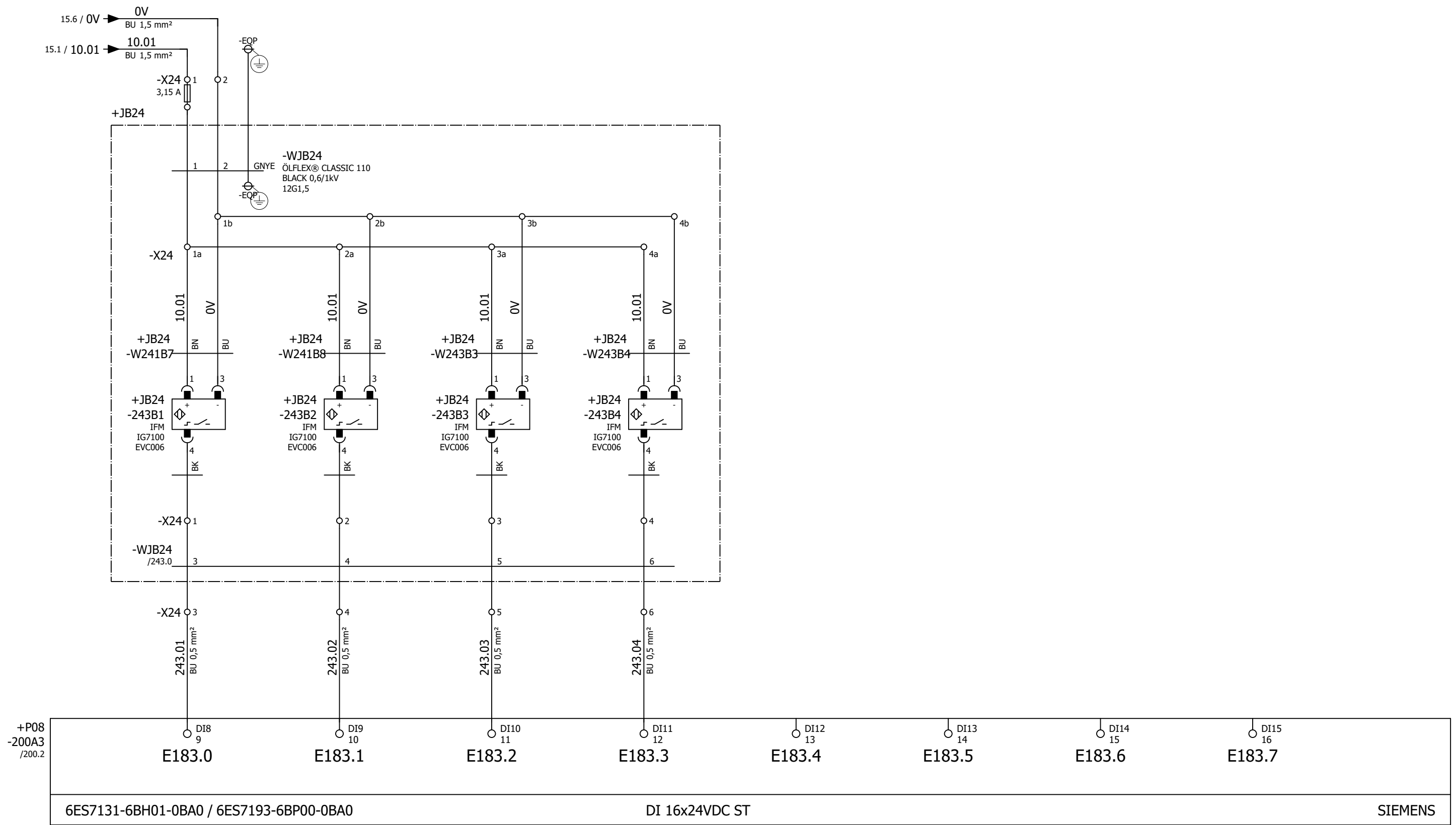
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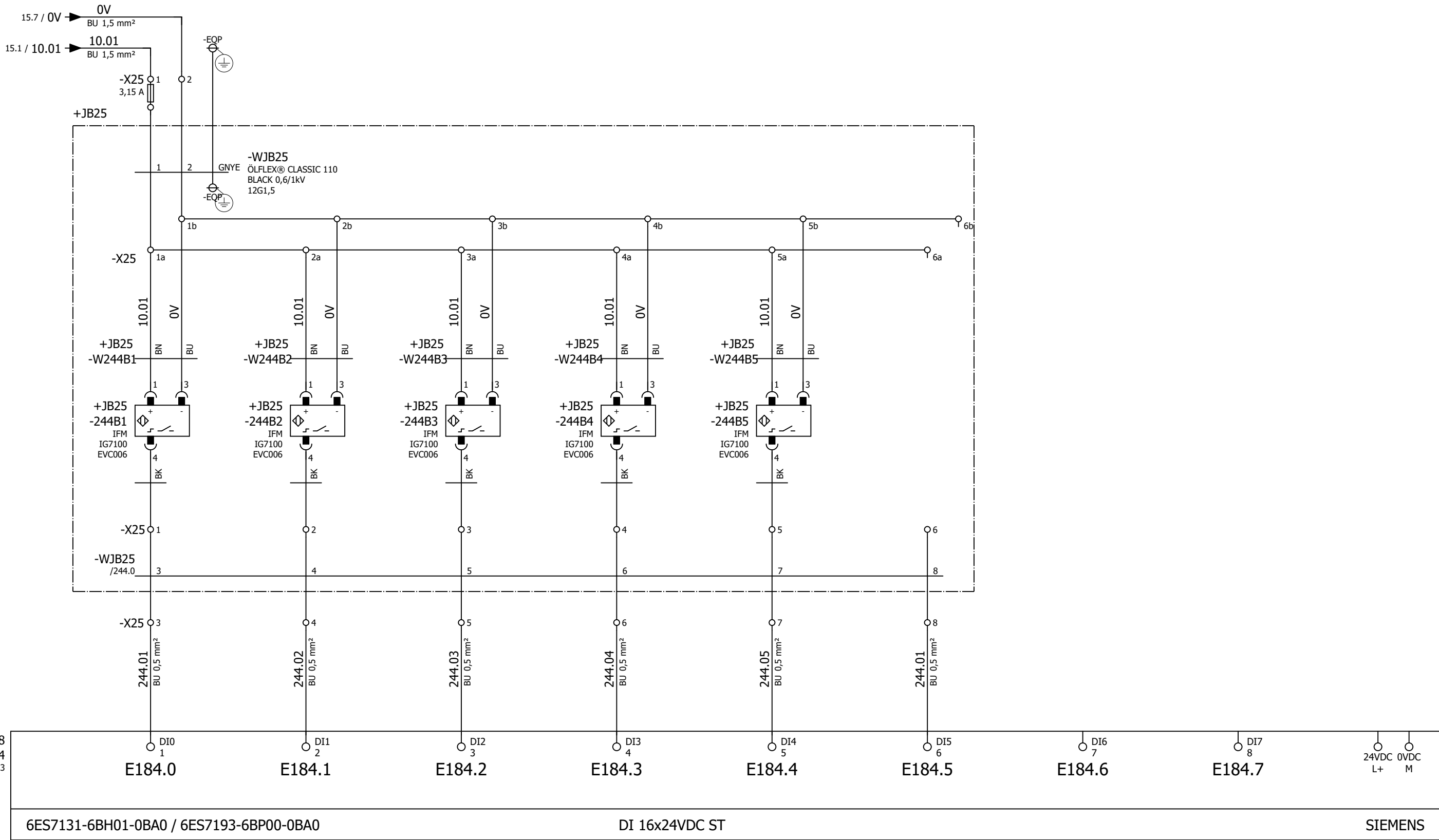
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EXTRA TRAVEL
FORWARD UNLOADING
CARRIAGE
TRANSLATION

EXTRA TRAVEL REVERSE
UNLOADING CARRIAGE
TRANSLATION

FORWARD UNLOADING
CARRIAGE
TRANSLATION
SLOWDOWN

REVERSE UNLOADING
CARRIAGE
TRANSLATION
SLOWDOWN

UNLOADING COIL CART
LOW

SPARE

SPARE

SPARE

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Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

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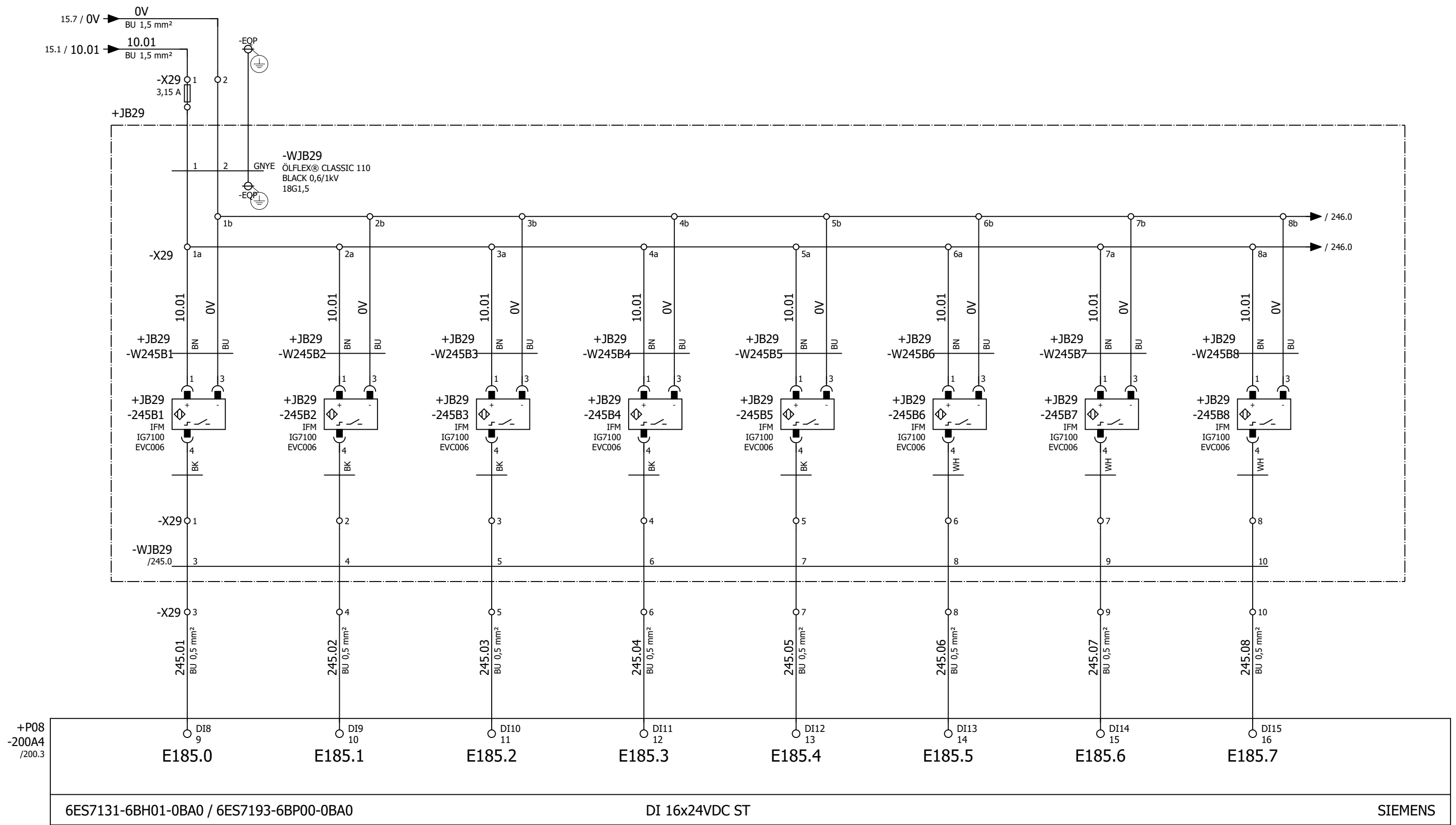
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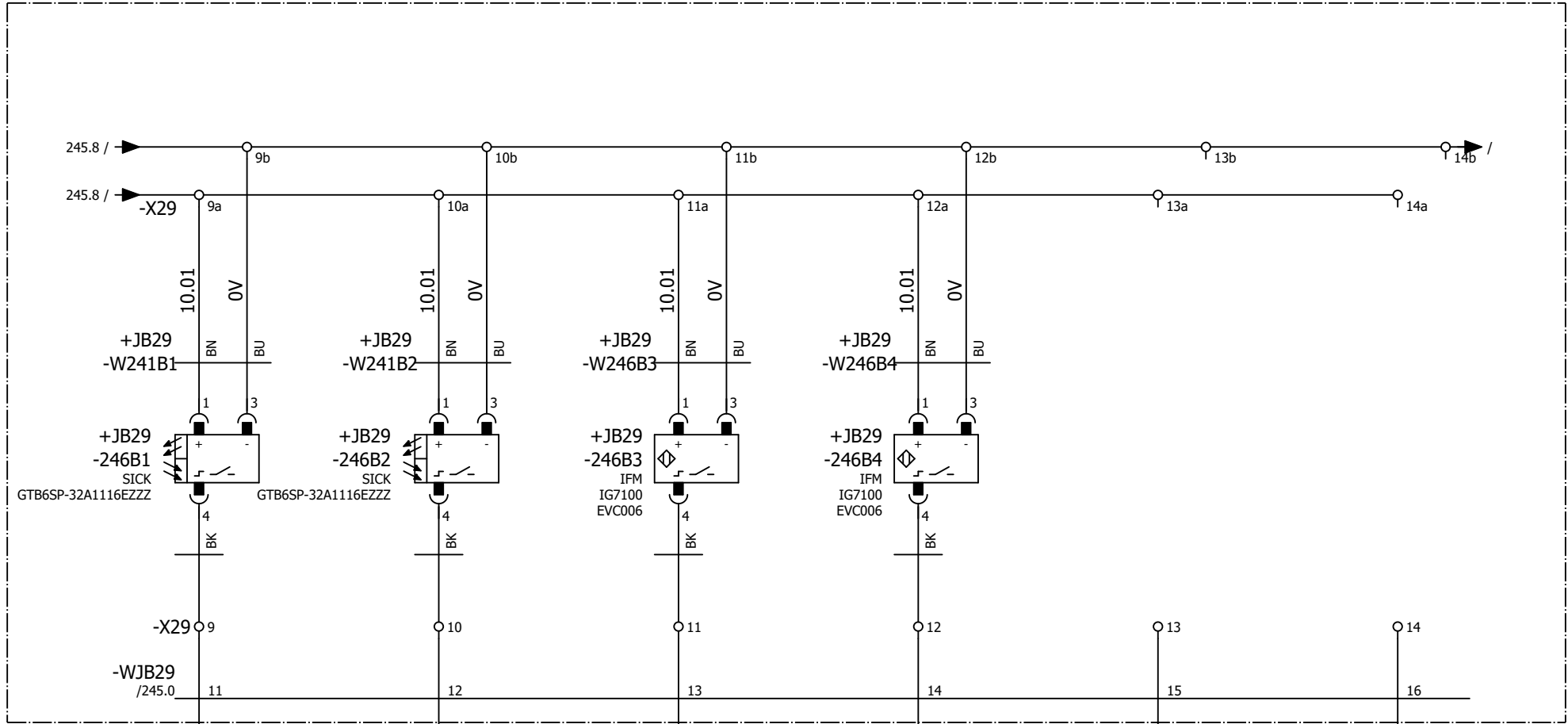
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+JB29



<div>+P08 -200A5 /200.4</div>	<div><div>DI0 1</div><div>E186.0</div></div>	<div><div>DI1 2</div><div>E186.1</div></div>	<div><div>DI2 3</div><div>E186.2</div></div>	<div><div>DI3 4</div><div>E186.3</div></div>	<div><div>DI4 5</div><div>E186.4</div></div>	<div><div>DI5 6</div><div>E186.5</div></div>	<div><div>DI6 7</div><div>E186.6</div></div>	<div><div>DI7 8</div><div>E186.7</div></div>	<div><div>24VDC L+</div></div>	<div><div>0VDC M</div></div>
	6ES7131-6BH01-0BA0 / 6ES7193-6BP00-0BA0									
	DI 16x24VDC ST									
SIEMENS										

PRESENCE CORE ON
PALLET

CORE CRACK
DETECTION

STOP 1 CORE ON
PALLET

STOP 2 CORE ON
PALLET

SPARE

SPARE

SPARE

SPARE

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Rev	1	=> 1



BRUNO PREZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

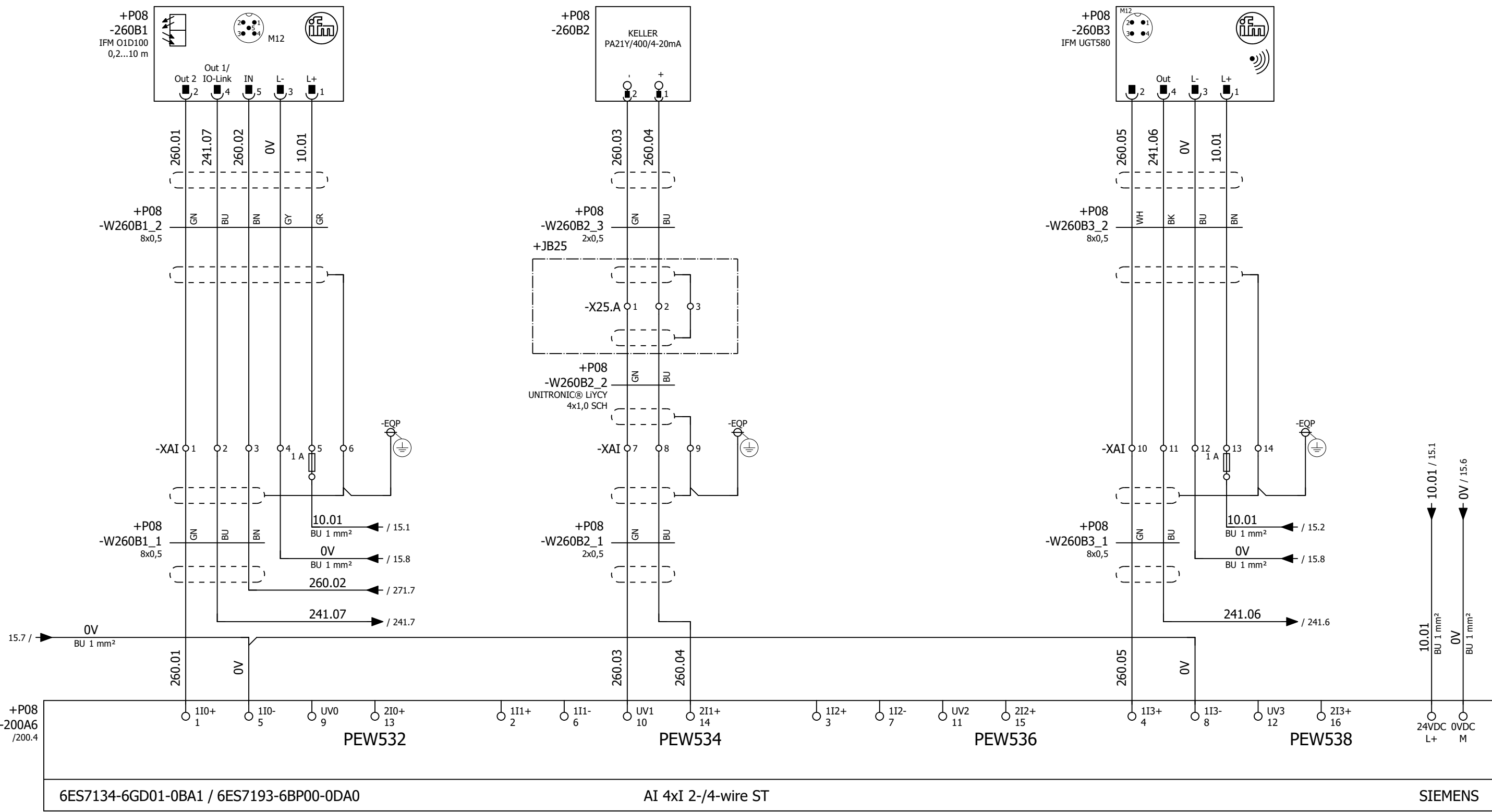
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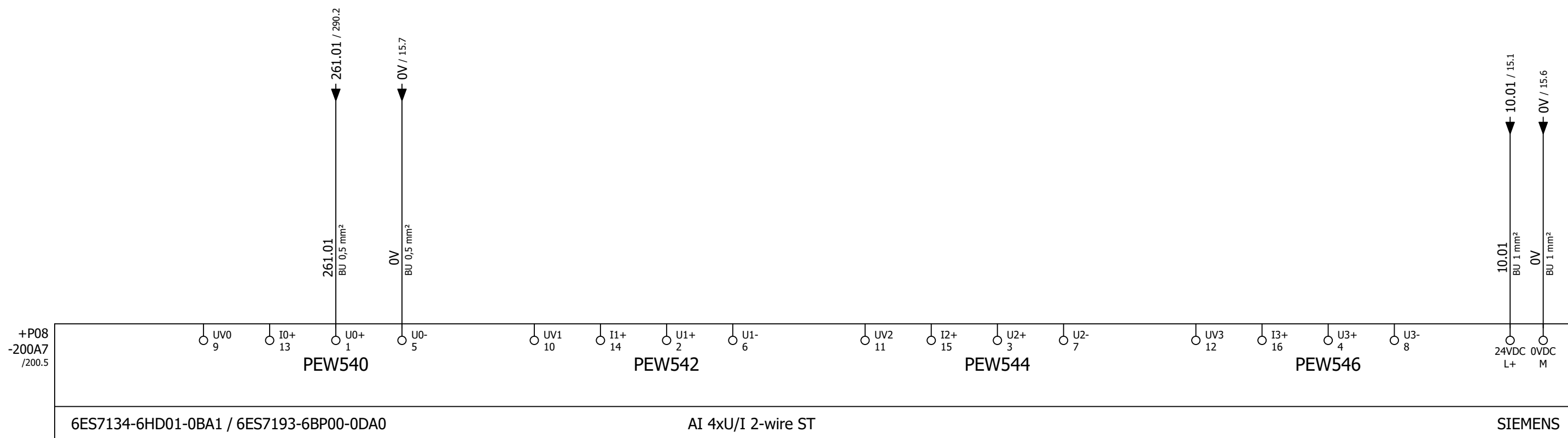
Digital inputs

+ P08 60-04-85A

r43.51

00-2400000



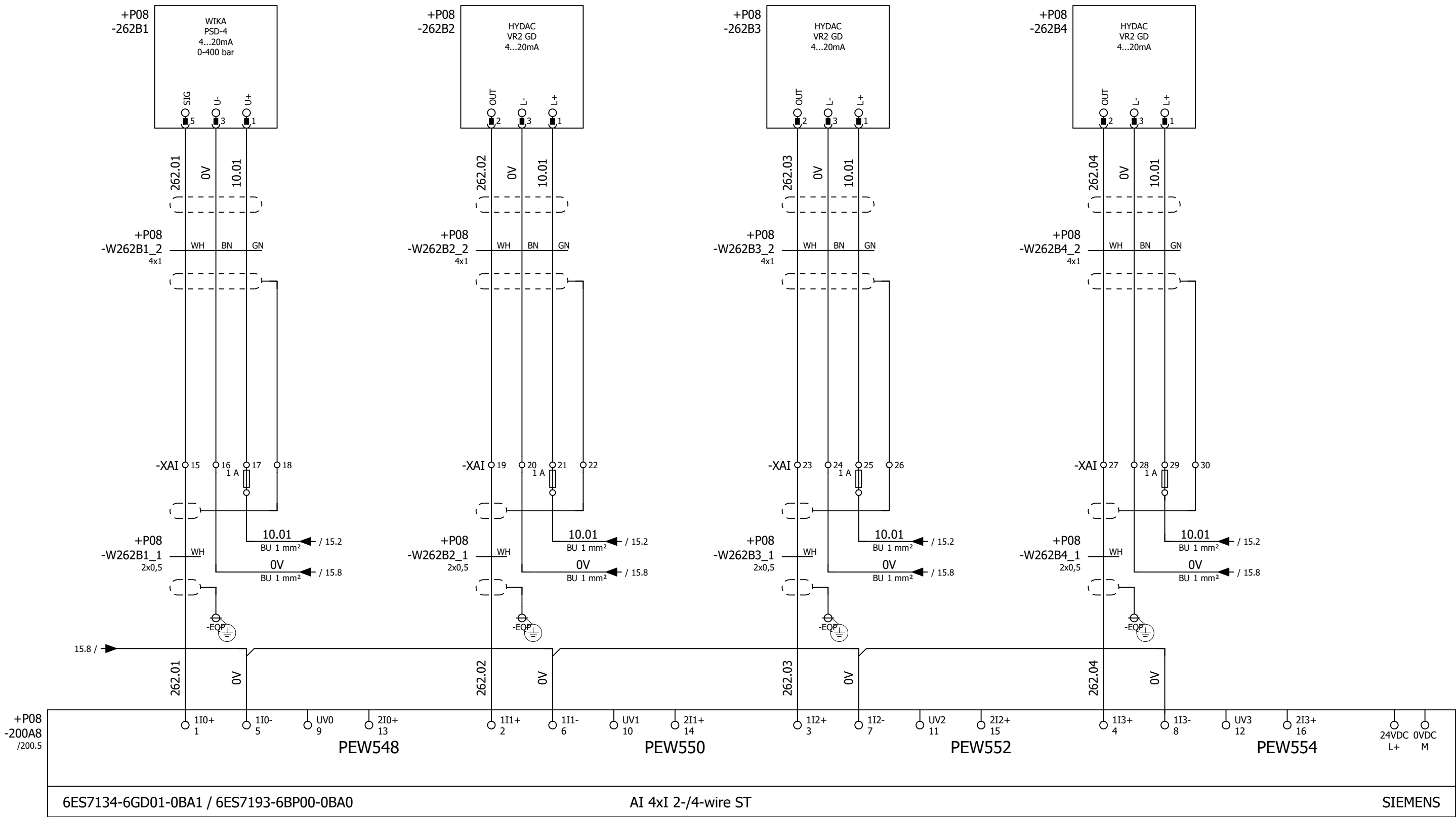


FEEDBACK SV. SPOOL LOAD TRANSLATION

SPARE

SPARE

SPARE

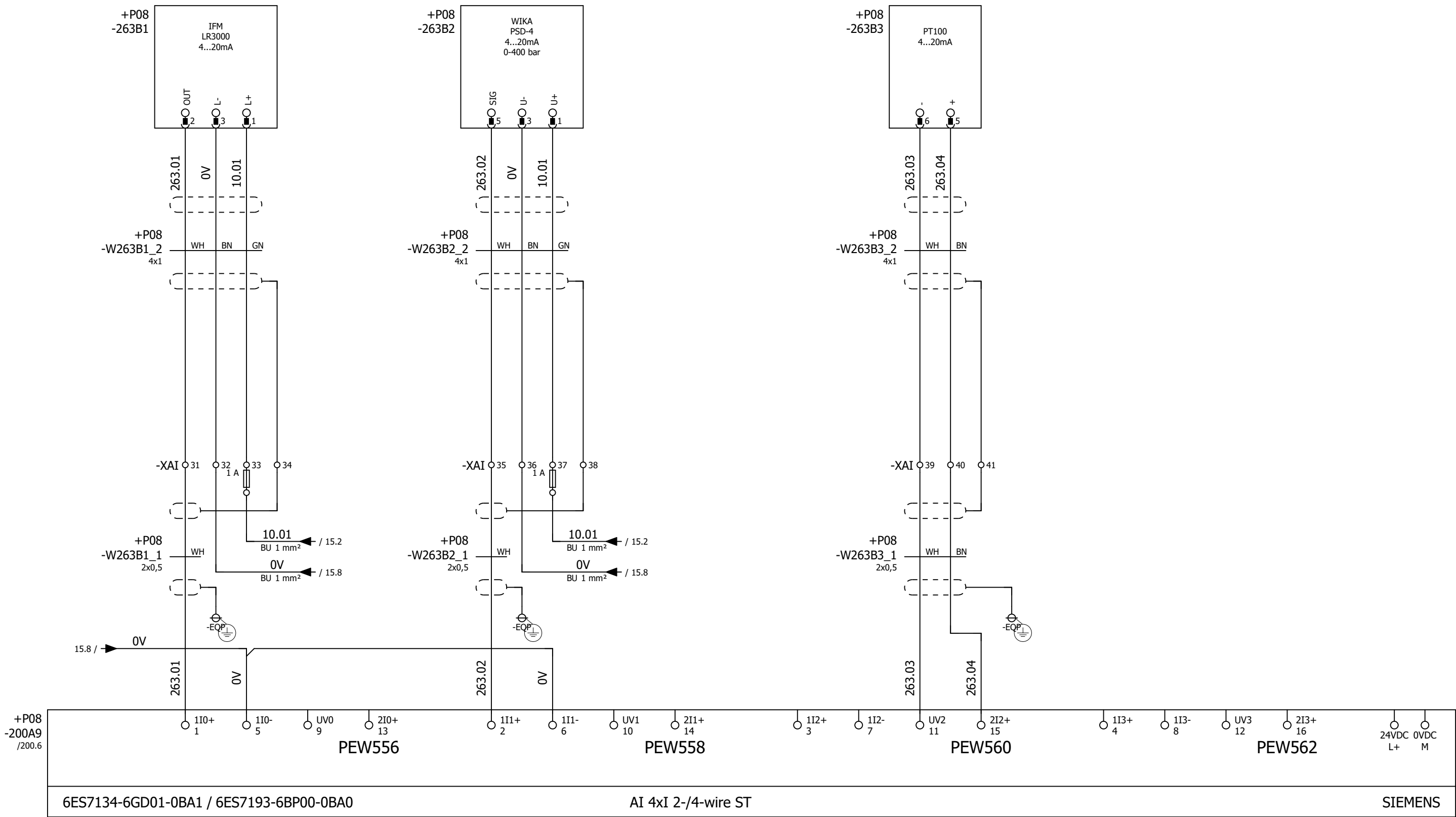


RECOILER SAFETY
BRAKE AIR PRESSURE

RECOILER ADAPTER OIL
FILTER OBSTRUCTED

RECOILER ADAPTER
INLET OIL LUBRICANT
PRESSURE

RECOILER ADAPTER
INLET OIL FLOW
SWITCH



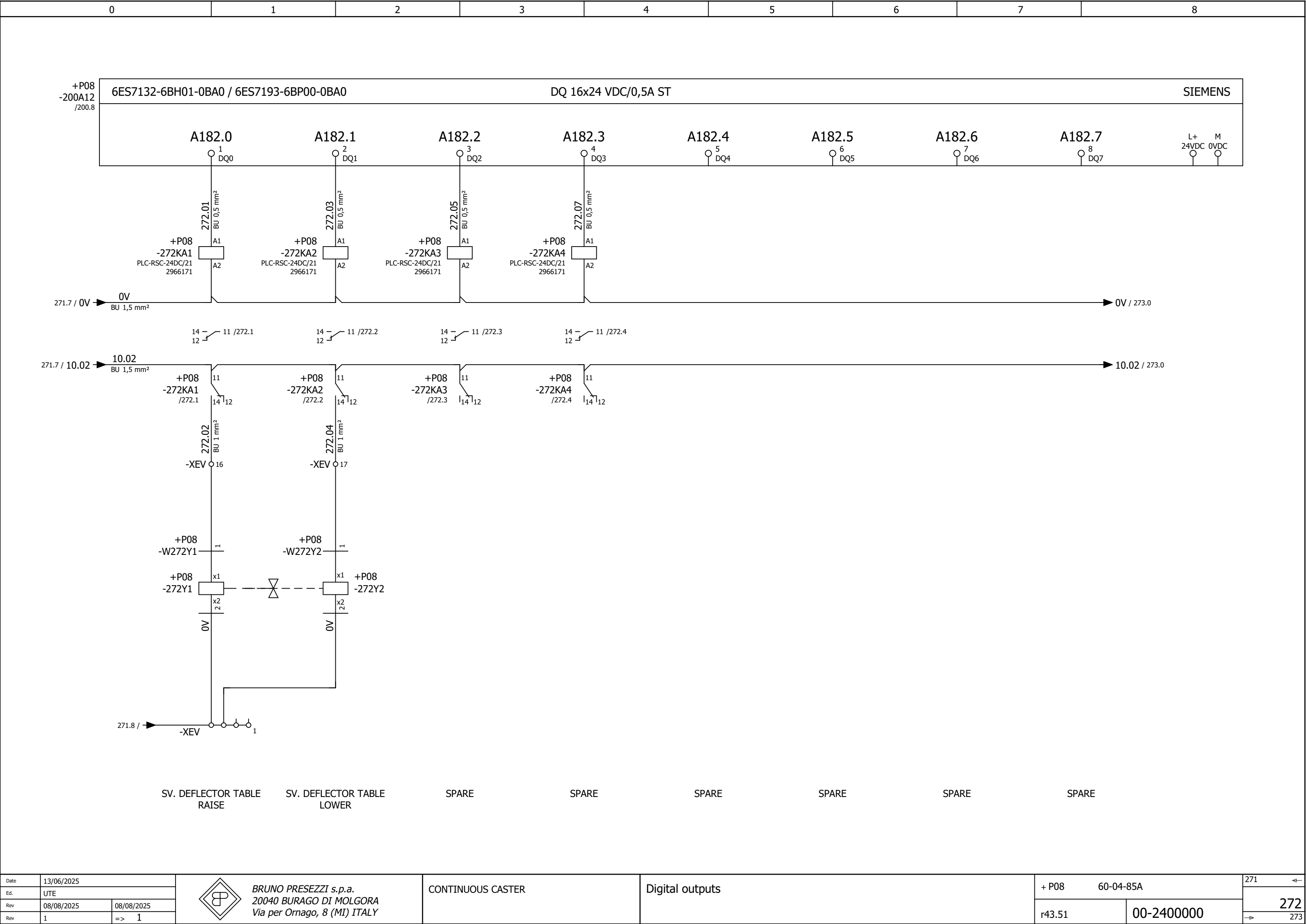
OIL TANK LEVEL –
REWINDER GEARBOX

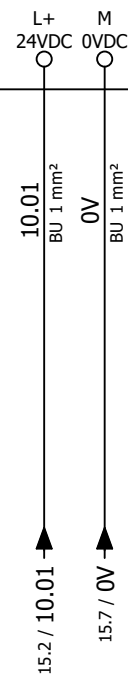
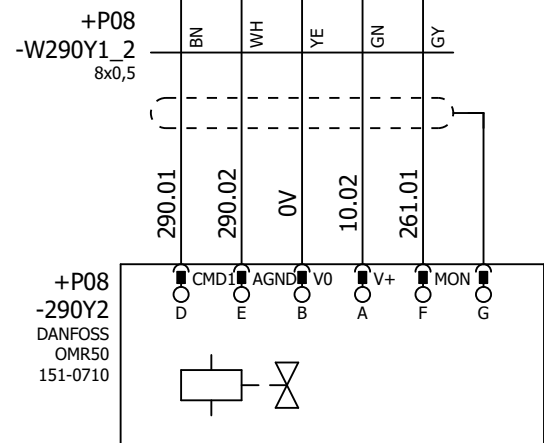
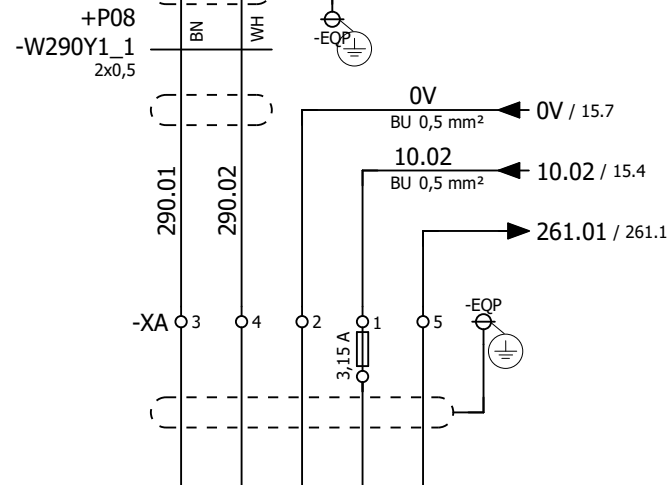
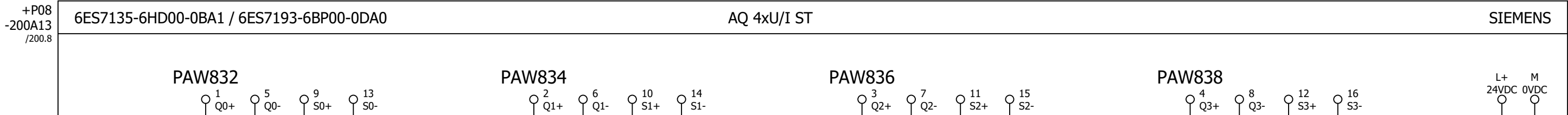
SPINDLE EXPANSION
CONTROL

ADAPTER OIL TANK
SAFETY TEMPERATURE

SPARE







SV. SPOOL LOAD
TRANSLATION

SPARE

SPARE

SPARE

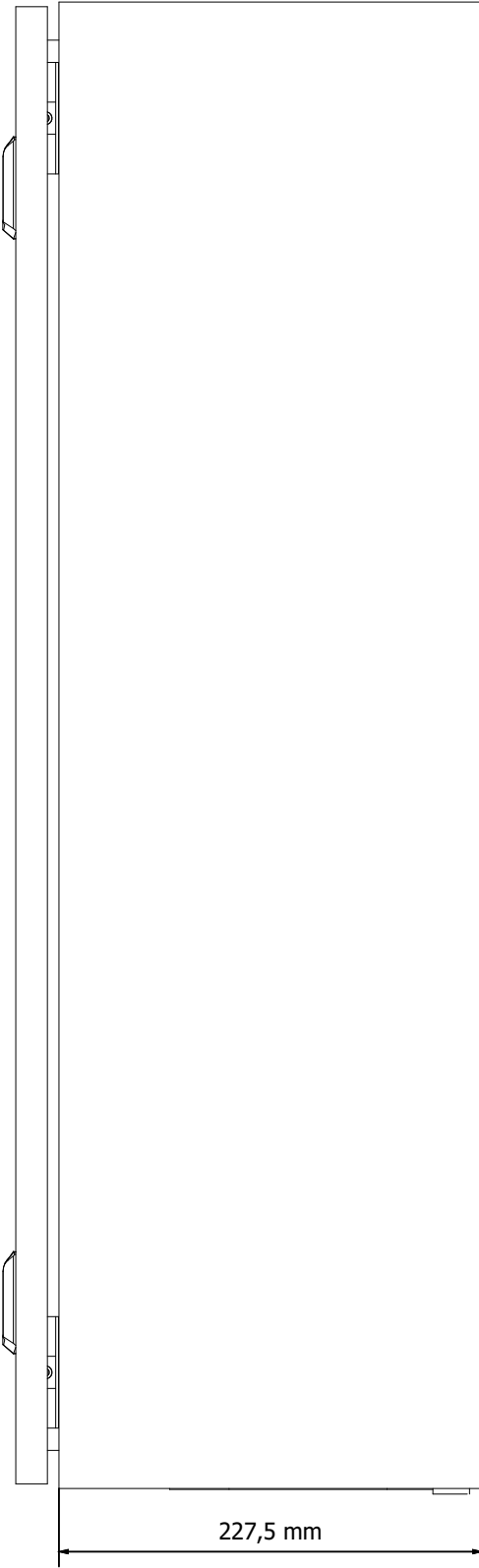
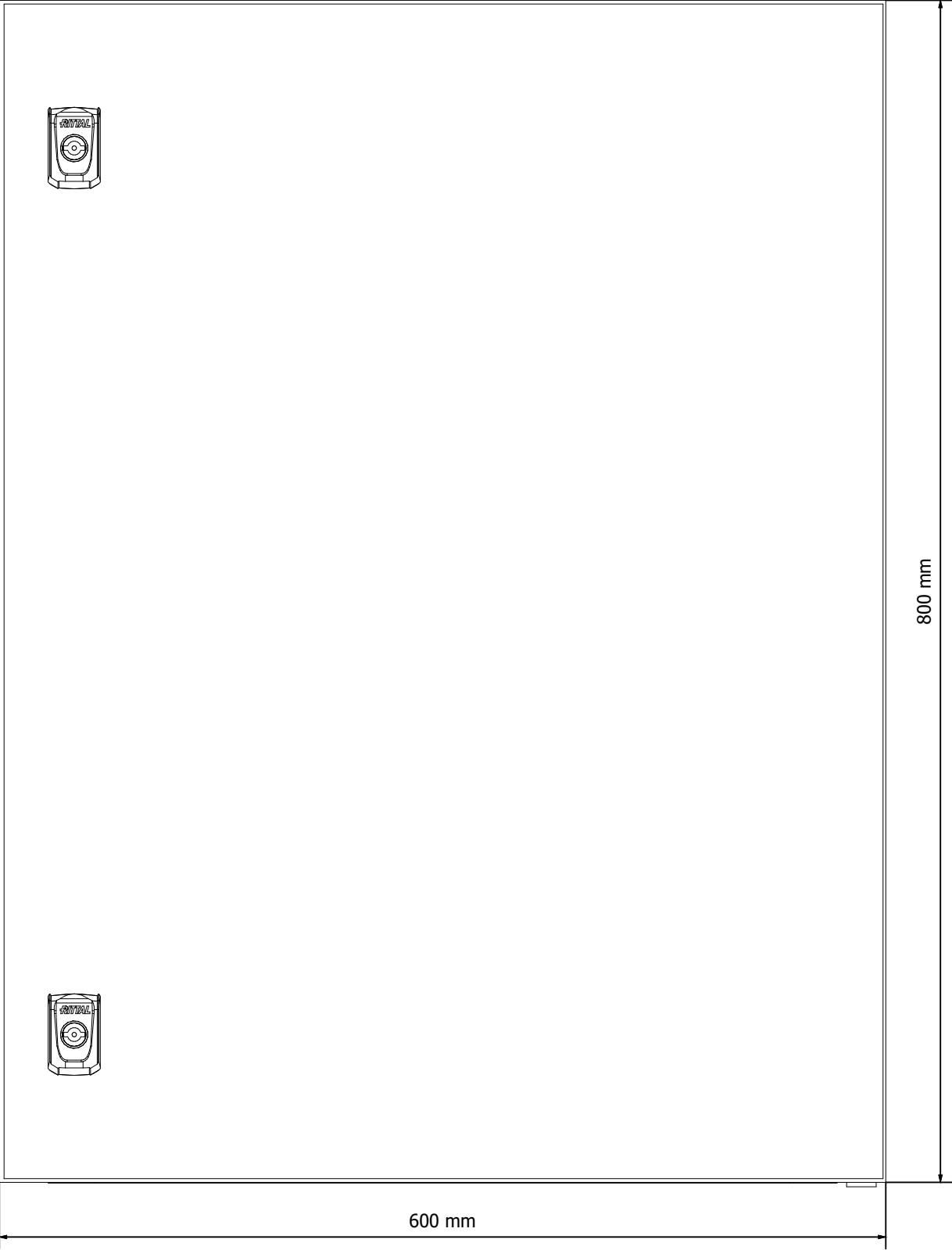
TERMINAL STRIP AND COTORS

- XP08 = Power supply terminal strip
- X24V = 24Vdc common terminal strip
- XEV = Solenoid valve terminal strip
- XENC = Encoders power supply terminal strip
- XAI = Analog input terminal strip
- XA = Analog output terminal block
- X21 = Signal JB21 terminal strip
- X23 = Signal JB23 terminal strip
- X24 = Signal JB24 terminal strip
- X25 = Signal JB25 terminal strip
- X29 = Signal JB29 terminal strip

+JB21
-X21 = Signal JB21 terminal strip
+JB24
-X24 = Signal JB24 terminal strip
+JB25
-X25 = Signal JB25 terminal strip
-X25.A = Analog signal JB25 terminal strip
+JB29
-X29 = Signal JB29 terminal strip

P08

FRONT DOOR
STAINLESS STEEL



Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PREZZI *s.p.a.*
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

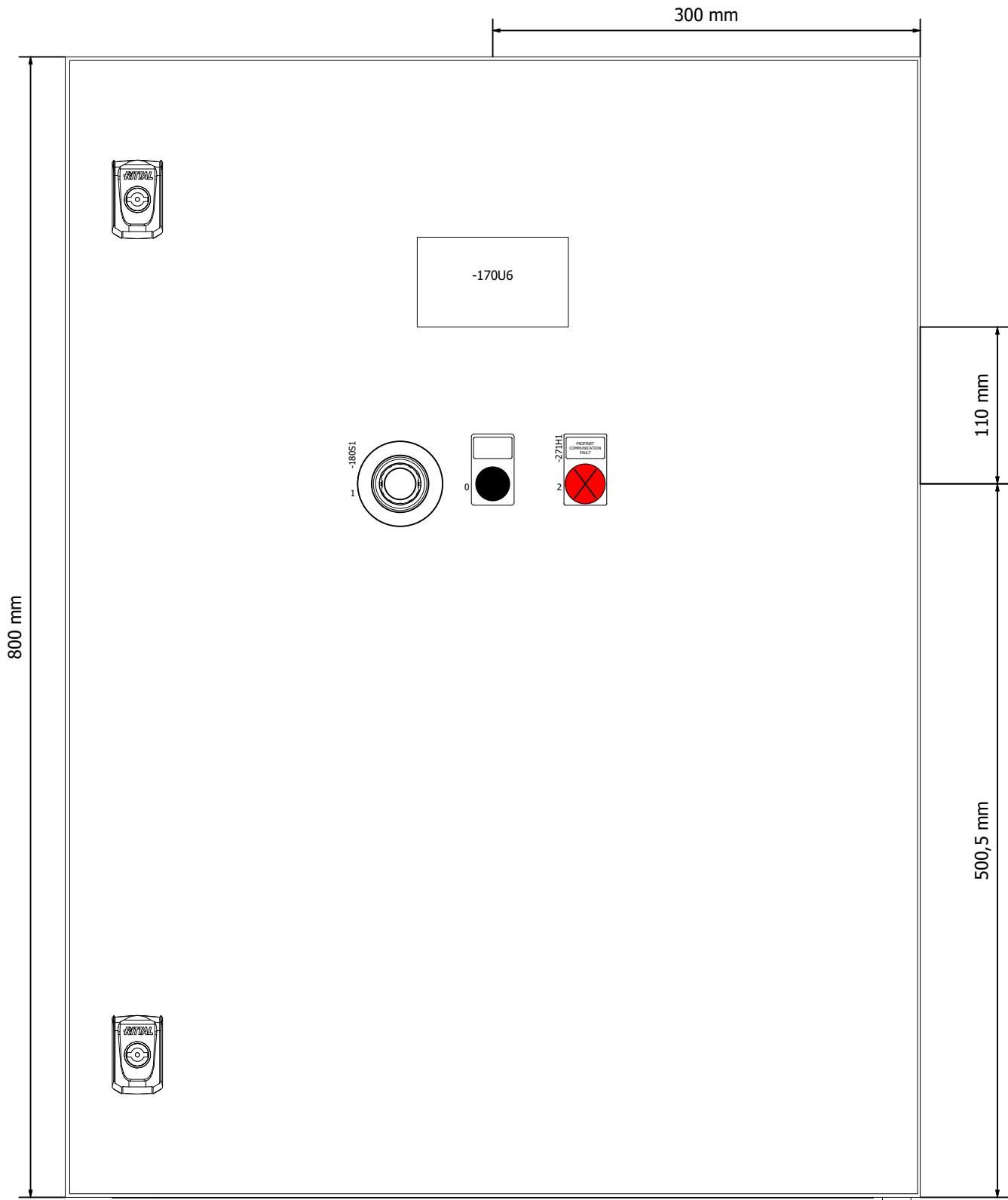
CONTINUOUS CASTER

External layout

+ P08 60-04-85A		380	←
r43.51 00-2400000		390	
		→	391

P08

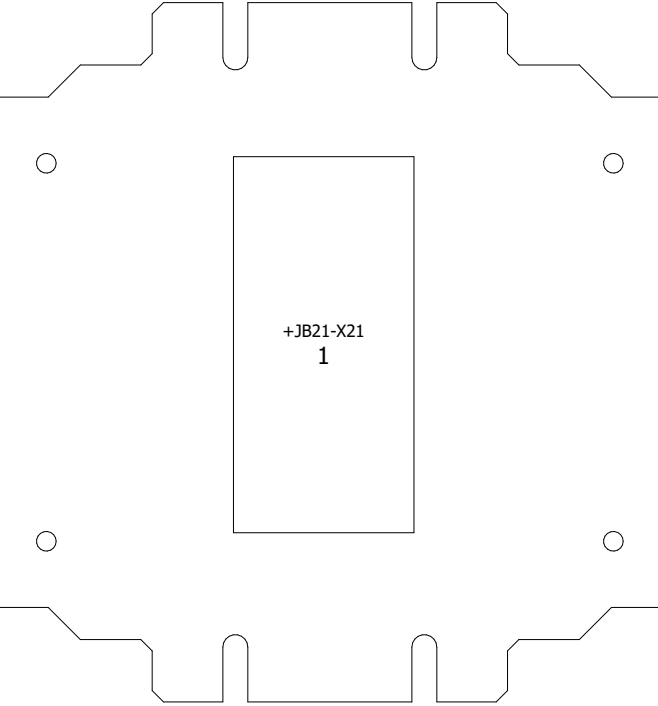
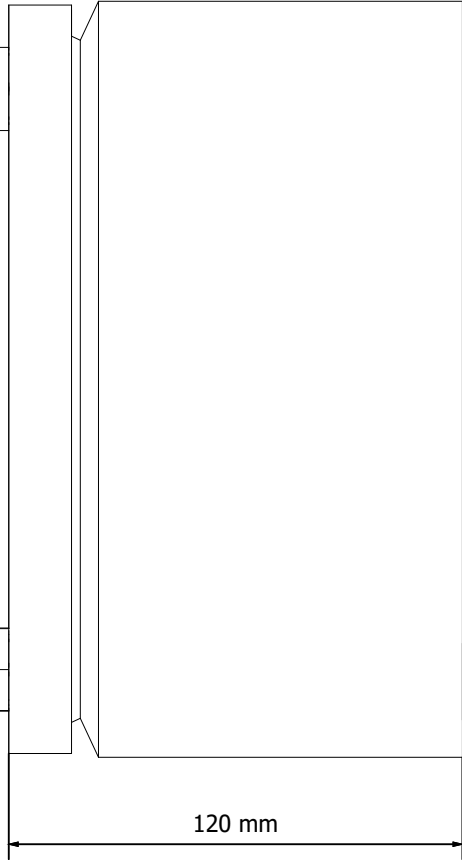
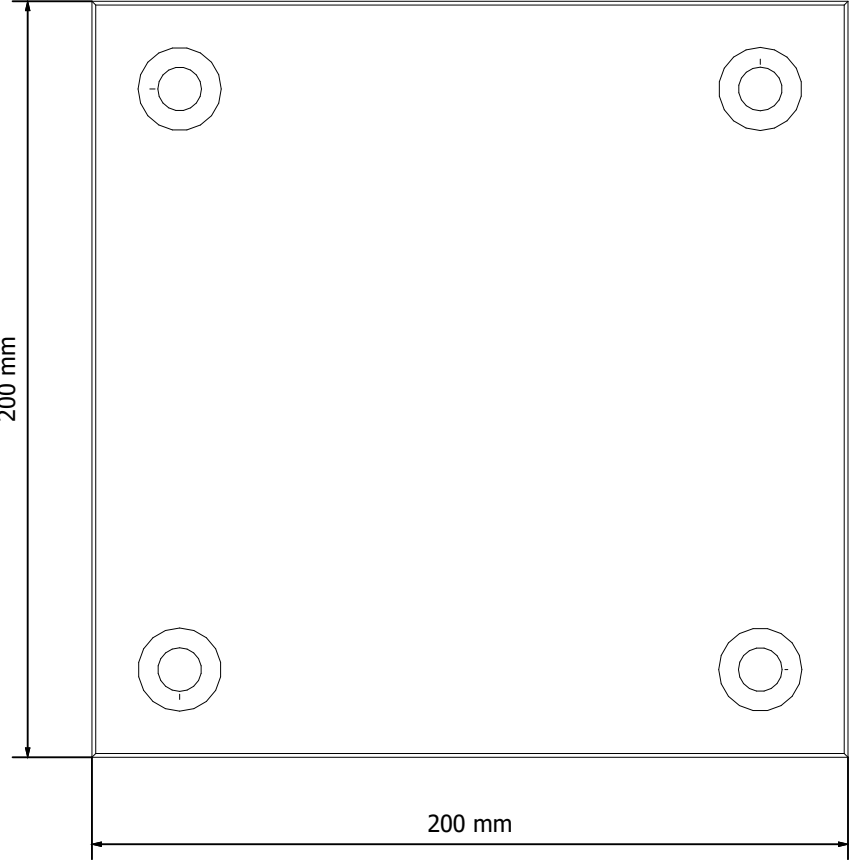
FRONT DOOR
STAINLESS STEEL



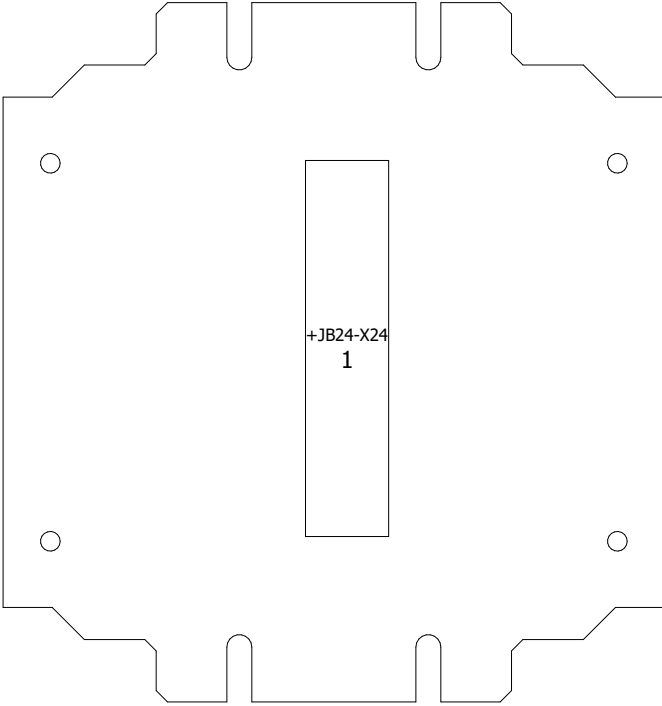
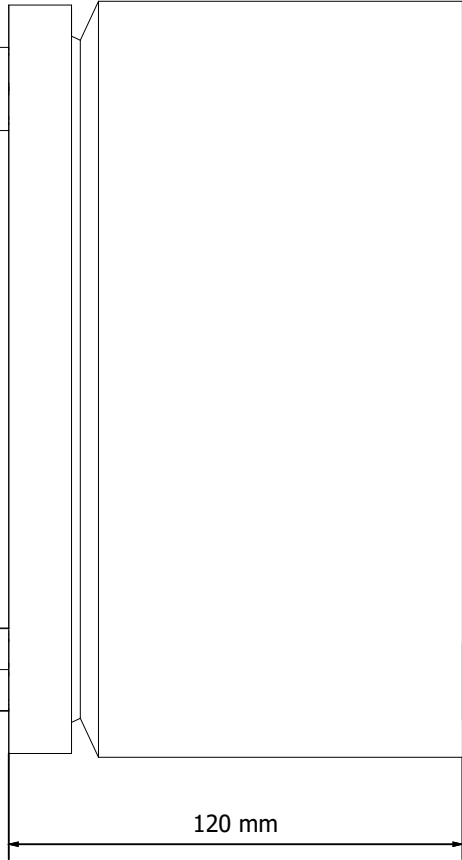
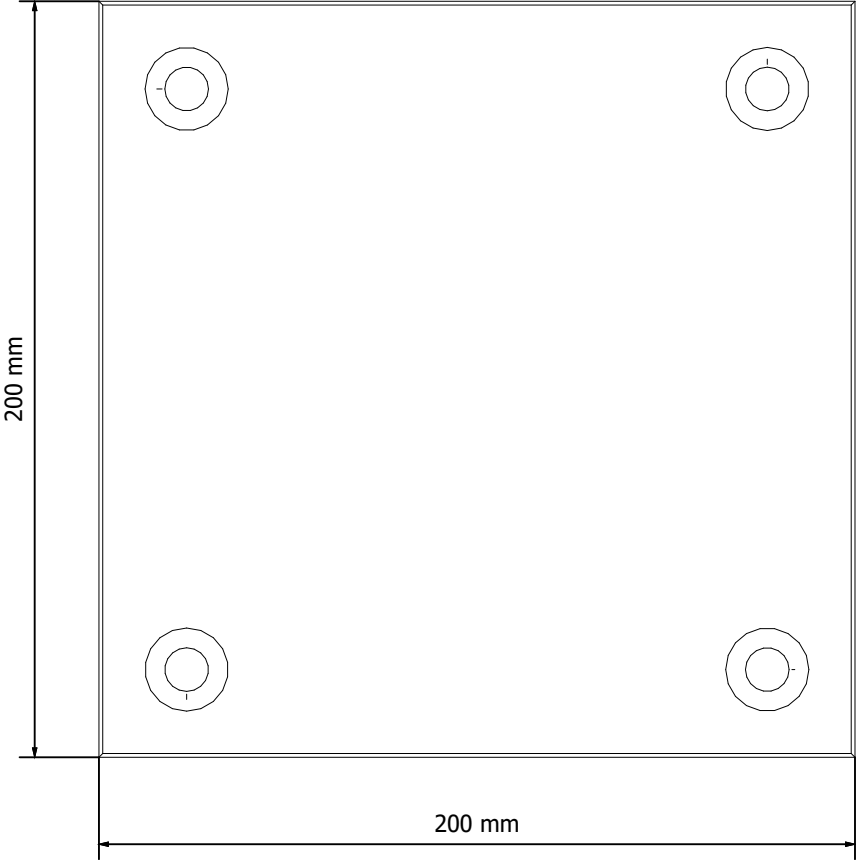
P08



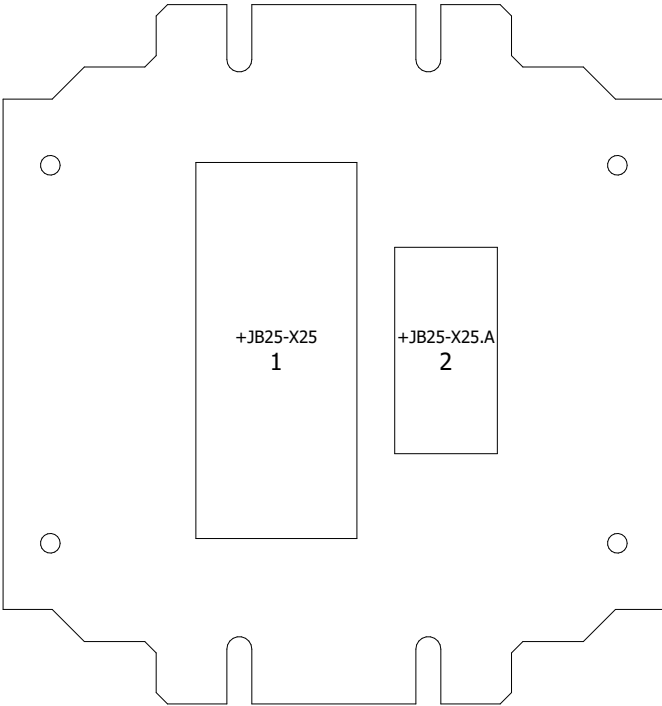
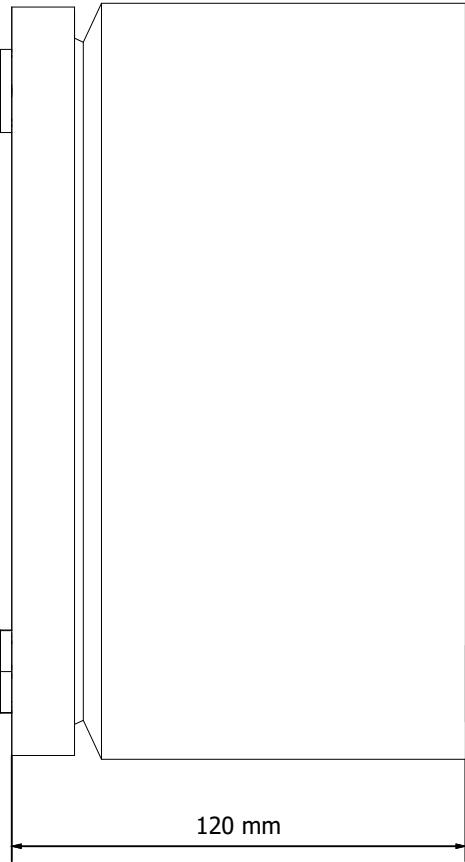
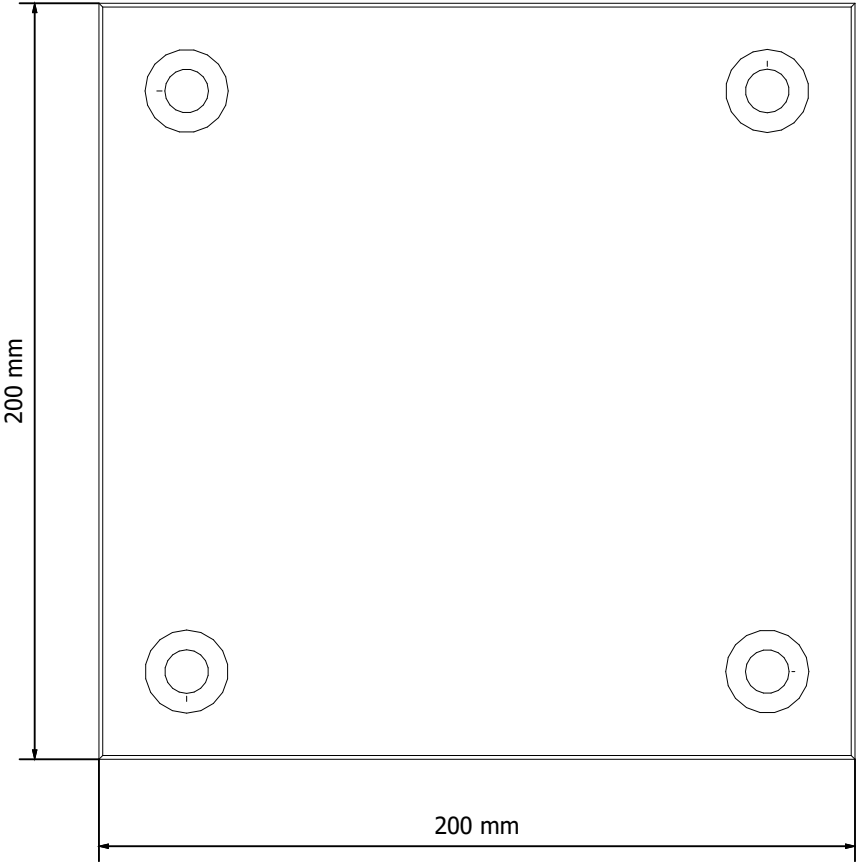
JB21



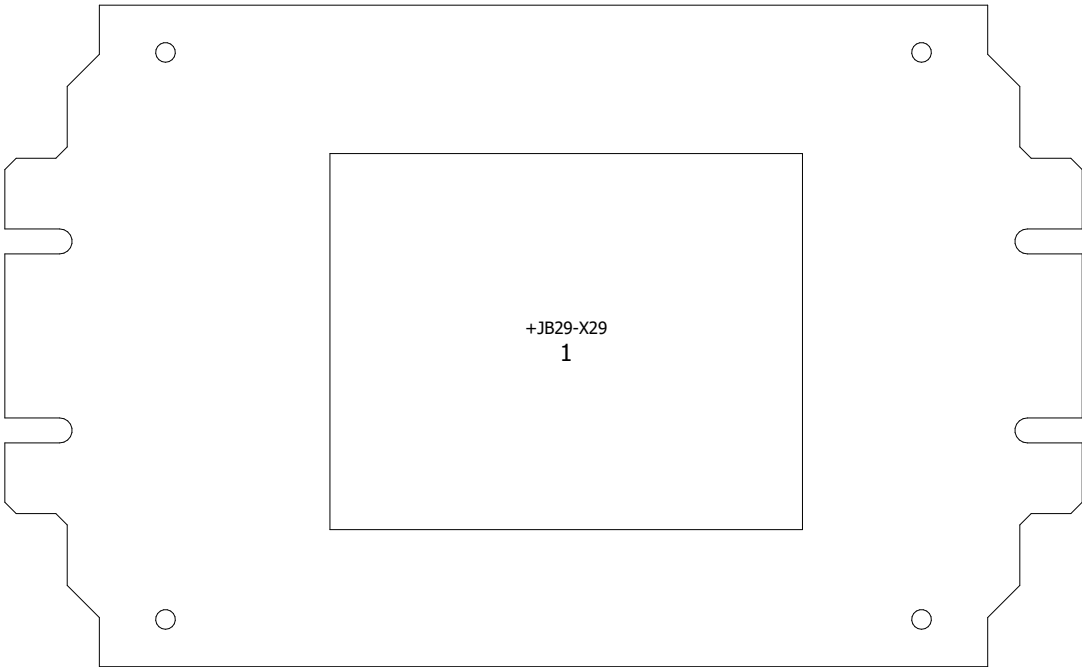
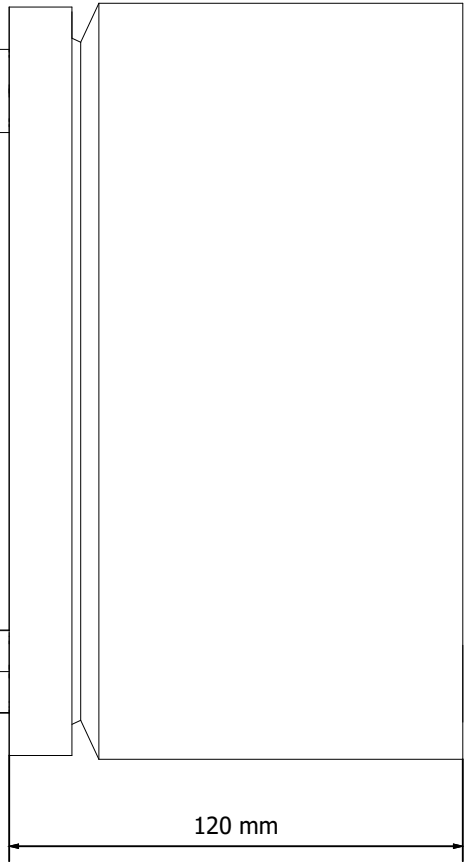
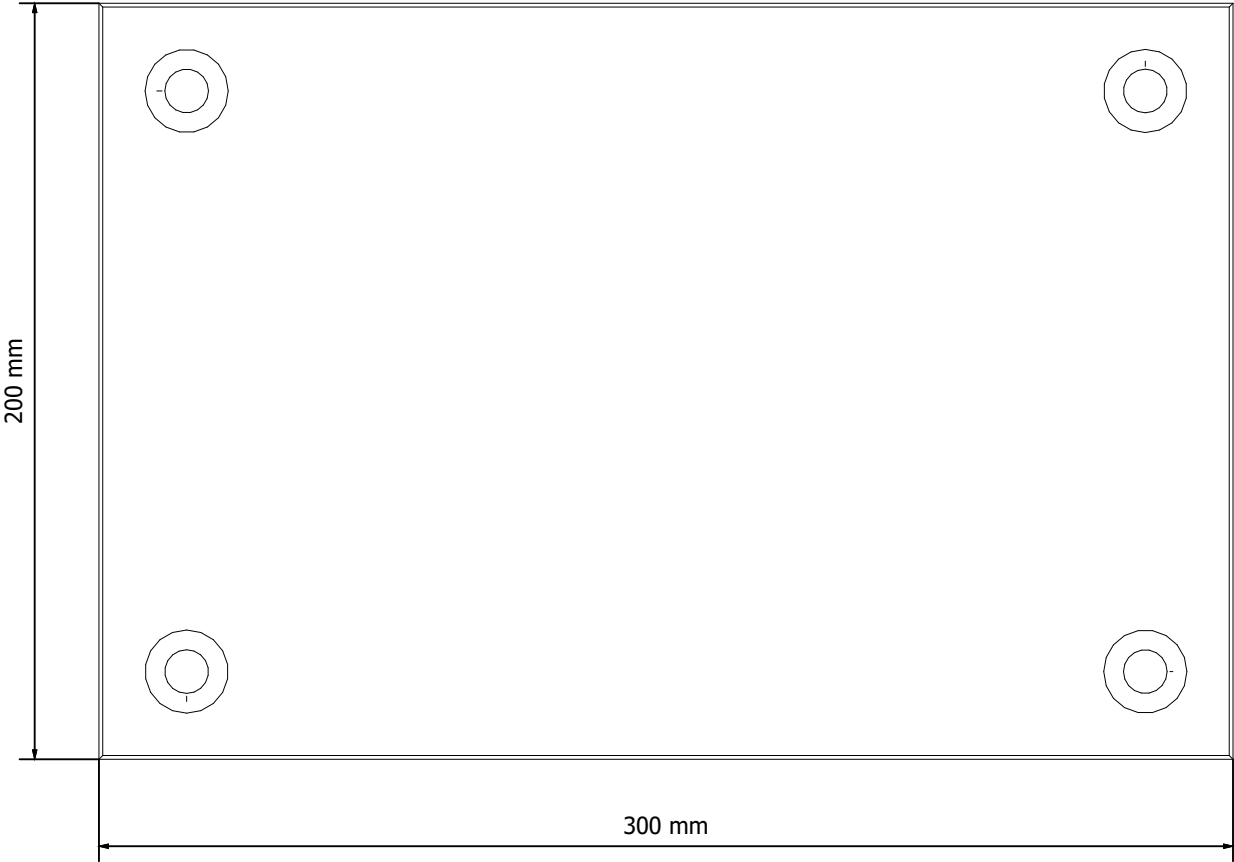
JB24




JB25



JB29



13/06/2025		 <div>BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+P08-X21	+ P08 60-04-85A		&SCH/397 ←
UTE							400
08/08/2025	08/08/2025				r43.51	00-2400000	→ 401
1	=> 1						

Terminal diagram


		External Designation												Designation Internal							
Function text	Cable name	-W240B8	-W240B7	-W240B6	-W240B5	-W240B4	-W240B3	-W240B2	-W240B1	=+P08-X23									Cable name	Page / column	
	Cable type	3x	3x	3x	3x	3x	3x	3x	3x	Signal JB23 terminal strip									Cable type		
	Component	External	Internal	Terminal	Jumper	Tipø Type	Component	Component	Wire	Internal	Terminal	Jumper	Tipø Type	Component	Component	Wire	Internal	Terminal	Jumper		Tipø Type
											10.01	0		4	-X24V						&SCH/240.0
COIL EJECTOR INSIDE (BACKWARD)									BK	-240B1	240.01	240.01	1	4 mm²	-200A2						&SCH/240.1
=									BN	-240B1	10.01	1a									&SCH/240.1
=									BU	-240B1	0V	0V	1b		-X24V						&SCH/240.1
COIL EJECTOR OUTSIDE (FORWARD)									BK	-240B2	240.02	240.02	2	4 mm²	-200A2						&SCH/240.2
=									BN	-240B2	10.01	2a									&SCH/240.2
=									BU	-240B2	0V	2b									&SCH/240.2
SPINDLE ANGULAR POSITION CONTROL WITH SPOOL									BK	-240B3	240.03	240.03	3	4 mm²	-200A2						&SCH/240.3
=									BN	-240B3	10.01	3a									&SCH/240.3
=									BU	-240B3	0V	3b									&SCH/240.3
CLAMP SLOWDOWN CONTROL WITH SPOOL									BK	-240B4	240.04	240.04	4	4 mm²	-200A2						&SCH/240.4
=									BN	-240B4	10.01	4a									&SCH/240.4
=									BU	-240B4	0V	4b									&SCH/240.4
SPINDLE ANGULAR POSITION CONTROL WITHOUT SPOOL									BK	-240B5	240.05	240.05	5	4 mm²	-200A2						&SCH/240.5
=									BN	-240B5	10.01	5a									&SCH/240.5
=									BU	-240B5	0V	5b									&SCH/240.5
CLAMP SLOWDOWN CONTROL WITHOUT SPOOL									BK	-240B6	240.06	240.06	6	4 mm²	-200A2						&SCH/240.6
=									BN	-240B6	10.01	6a									&SCH/240.6
=									BU	-240B6	0V	6b									&SCH/240.6
REDUCERS OIL TANK MINIMUM LEVEL			WH							-240B7	240.07	240.07	7	4 mm²	-200A2						&SCH/240.7
=			BN							-240B7	10.01	7a									&SCH/240.7
=												7b									&SCH/240.7
HEAT EXCHANGER TEMPERATURE		WH								-240B8	240.08	240.08	8	4 mm²	-200A2						&SCH/240.8
=		BN								-240B8	10.01	8a									&SCH/240.8
=												8b									&SCH/240.8


Terminal diagram


										External Designation										Designation Internal					
Function text	Cable name									=+P08-X24V									Cable name	Page / column					
	Cable type									24Vdc common terminal strip									Cable type						
										Component	Filo Wire		Terminal	Jumper	Tipo Type	Component									
										Internal	External	Internal													
										-XENC	10.01	10.01	1	•	2,5	-10Q1			&SCH/15.0						
										-XP08				•											
										-200A2	10.01	10.01	1	•	2,5	-200A1			&SCH/15.0						
										-200A6				•											
										-200A7				•											
DISTRIBUTION 24Vdc P08										-X23	10.01	10.01	1	•	2,5	-200A10			&SCH/15.1						
										-X21				•											
										-X24				•											
DISTRIBUTION 24Vdc P08										-200A12	10.01	10.01	1	•	2,5	-170U6			&SCH/15.2						
										-XAI				•											
										-XAI				•											
DISTRIBUTION 24Vdc P08										-X29	10.01	10.01	1	•	2,5	-X25			&SCH/15.1						
										-XAI				•											
										-XAI				•											
DISTRIBUTION 24Vdc P08										-XAI	10.01	10.01	1	•	2,5	-XAI			&SCH/15.2						
										-XAI				•											
										-XAI				•											
DISTRIBUTION 24Vdc P08										-200A2	10.02	10.02	2	•	2,5	-10Q2			&SCH/15.3						
										-270KA1				•											
										-XA				•											
DISTRIBUTION 24Vdc P08													2	•	2,5				&SCH/15.4						
=										-XP08	0V	0V	4	•	2,5	-XP08			&SCH/15.5						
										-XENC				•											
										-200A1				•											
DISTRIBUTION 24Vdc P08										-200A6	0V	0V	4	•	2,5	-200A2			&SCH/15.6						
										-200A7				•											
										-200A10				•											
DISTRIBUTION 24Vdc P08										-X21	0V	0V	4	•	2,5	-X23			&SCH/15.6						
										-X24				•											
										-X25				•											


Terminal diagram


External Designation														Designation Internal			
Function text	Cable name							+JB29-WJB29_2	+JB29-WJB29	=+P08-X29							
	Cable type							0,6/1kV 12x1,5 mm²	0,6/1kV 18x1,5 mm²	Signal JB29 terminal strip							
										Component	Filo Wire External Internal	Terminal	Jumper	Tipo Type	Component		Page / column
TRANSLATION SPOOL LOAD FORWARD									1	+JB29-X29	10.01 10.01	1	•	4	-X24V		&SCH/245.1
=									2	+JB29-X29	0V 0V	2	•	2,5	-X24V		&SCH/245.1
=									3	+JB29-X29	245.01 245.01	3	•	2,5	-200A4		&SCH/245.1
TRANSLATION SPOOL LOAD BACKWARD									4	+JB29-X29	245.02 245.02	4	•	2,5	-200A4		&SCH/245.2
HIGH ARM POSITION SPOOL LOAD									5	+JB29-X29	245.03 245.03	5	•	2,5	-200A4		&SCH/245.3
LOW ARM POSITION SPOOL LOAD									6	+JB29-X29	245.04 245.04	6	•	2,5	-200A4		&SCH/245.4
PLIERS OPEN LOAD SPOOL									7	+JB29-X29	245.05 245.05	7	•	2,5	-200A4		&SCH/245.5
PLIERS CLOSE LOAD SPOOL									8	+JB29-X29	245.06 245.06	8	•	2,5	-200A4		&SCH/245.6
PLIERS FORWARD LOAD SPOOL									9	+JB29-X29	245.07 245.07	9	•	2,5	-200A4		&SCH/245.7
PLIERS BACKWARD LOAD SPOOL									10	+JB29-X29	245.08 245.08	10	•	2,5	-200A4		&SCH/245.8
PRESENCE CORE ON PALLET									11	+JB29-X29	246.09 246.09	11	•	2,5	-200A5		&SCH/246.1
CORE CRACK DETECTION									12	+JB29-X29	246.10 246.10	12	•	2,5	-200A5		&SCH/246.2
STOP 1 CORE ON PALLET									13	+JB29-X29	246.11 246.11	13	•	2,5	-200A5		&SCH/246.3
STOP 2 CORE ON PALLET									14	+JB29-X29	246.12 246.12	14	•	2,5	-200A5		&SCH/246.4
SPARE									15	+JB29-X29	246.13 246.13	15	•	2,5	-200A5		&SCH/246.5
=									16	+JB29-X29	246.14 246.14	16	•	2,5	-200A5		&SCH/246.6
SV. RAISE ARM LOAD SPOOL								2		+JB29-X29	273.16 273.16	17	•	2,5	-273KA1		&SCH/273.1
SV. LOWER ARM LOAD SPOOL								3		+JB29-X29	273.18 273.18	18	•	2,5	-273KA2		&SCH/273.2
SV. FORWARD PLIERS								4		+JB29-X29	273.20 273.20	19	•	2,5	-273KA3		&SCH/273.3
SV. BACKWARD PLIERS								5		+JB29-X29	273.22 273.22	20	•	2,5	-273KA4		&SCH/273.4
SV. OPEN PLIERS								6		+JB29-X29	273.24 273.24	21	•	2,5	-273KA5		&SCH/273.5
SV. CLOSE PLIERS								7		+JB29-X29	273.26 273.26	22	•	2,5	-273KA6		&SCH/273.6
SPARE								8		+JB29-X29	273.28 273.28	23	•	2,5	-273KA7		&SCH/273.7
=								9		+JB29-X29	273.30 273.30	24	•	2,5	-273KA8		&SCH/273.8

13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P08-XAI	+ P08 60-04-85A		406
UTE							
08/08/2025	08/08/2025						407
1	=> 1				r43.51	00-2400000	407.a

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P08-XAI	+ P08 60-04-85A		407
UTE							
08/08/2025	08/08/2025						407.
1	=> 1				r43.51	00-2400000	407.

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P08-XAI	+ P08 60-04-85A		407.b
UTE							407.
08/08/2025	08/08/2025						407.
1	=> 1				r43.51	00-2400000	407.

13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P08-XEV	+ P08 60-04-85A		409.a ←
UTE					r43.51	00-2400000	409.b
08/08/2025	08/08/2025						→ 409.c
1	=> 1						

13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+P08-XEV	+ P08 60-04-85A		409.b ←
UTE					r43.51	00-2400000	409.c
08/08/2025	08/08/2025						→ 410
1	=> 1						

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-10Q2	1	Circui breaker	5SY6110-7	Siemens	SIE.5SY6110-7
-XP08	3	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP08	1	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-XP08	2	Feed-through terminal	ST 16	Phoenix Contact	PXC.3036149
-XP08	1	Feed-through terminal	ST 16-PE	Phoenix Contact	PXC.3036165
-X24V	17	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XENC	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XENC	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XENC	1	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-170U6	1	Transmitter	DAT1400/PROFINET	PavoneSistemi	PS.DAT1400/PROFINET
-180S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-180S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-180S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-180S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-XP08	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A2	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A5	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A6	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A6	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A7	1	Analog input card	6ES7134-6HD01-0BA1	Siemens	SIE.6ES7134-6HD01-0BA1
-200A7	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A8	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A8	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A9	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A9	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A10	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A10	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A11	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A11	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A12	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A12	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A13	1	Analog output card	6ES7135-6HD00-0BA1	Siemens	SIE.6ES7135-6HD00-0BA1
-200A13	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-X23	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X23	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X23	13	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
-X21	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X21	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X21	9	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X24	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X24	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X24	5	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X25	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X25	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X25	7	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212

Parts list


Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-X29	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X29	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X29	23	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	33	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	8	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XAI	8	Fuse 5x20	0101001	Italweber	IW.0101001
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XEV	6	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XEV	16	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-271H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-271H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-271H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-271KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-272KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-X26	1	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XA	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XA	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XA	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-390M1	1	AX compact box	AX.1058000	Rittal	RIT.1058000
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
-391S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	1	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3
+JB21-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB21-X21	8	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB21-394M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB21-394M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB21-394M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB24-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB24-X24	4	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB24-395M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB24-395M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
+JB24-395M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB25-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB25-X25	6	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB25-X25.A	3	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
+JB25-396M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB25-396M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB25-396M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB29-EQP	2	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB29-X29	22	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB29-397M1	1	KX Box	KX.1503000	Rittal	RIT.1503000
+JB29-397M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB29-397M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010

Date	13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	COVER	+ P09 60-04-86A		+P08&DIST/500.
Ed.	UTE					1		
Rev	08/08/2025	08/08/2025						
Rev	1	=> 1					r43.51	00-2400000



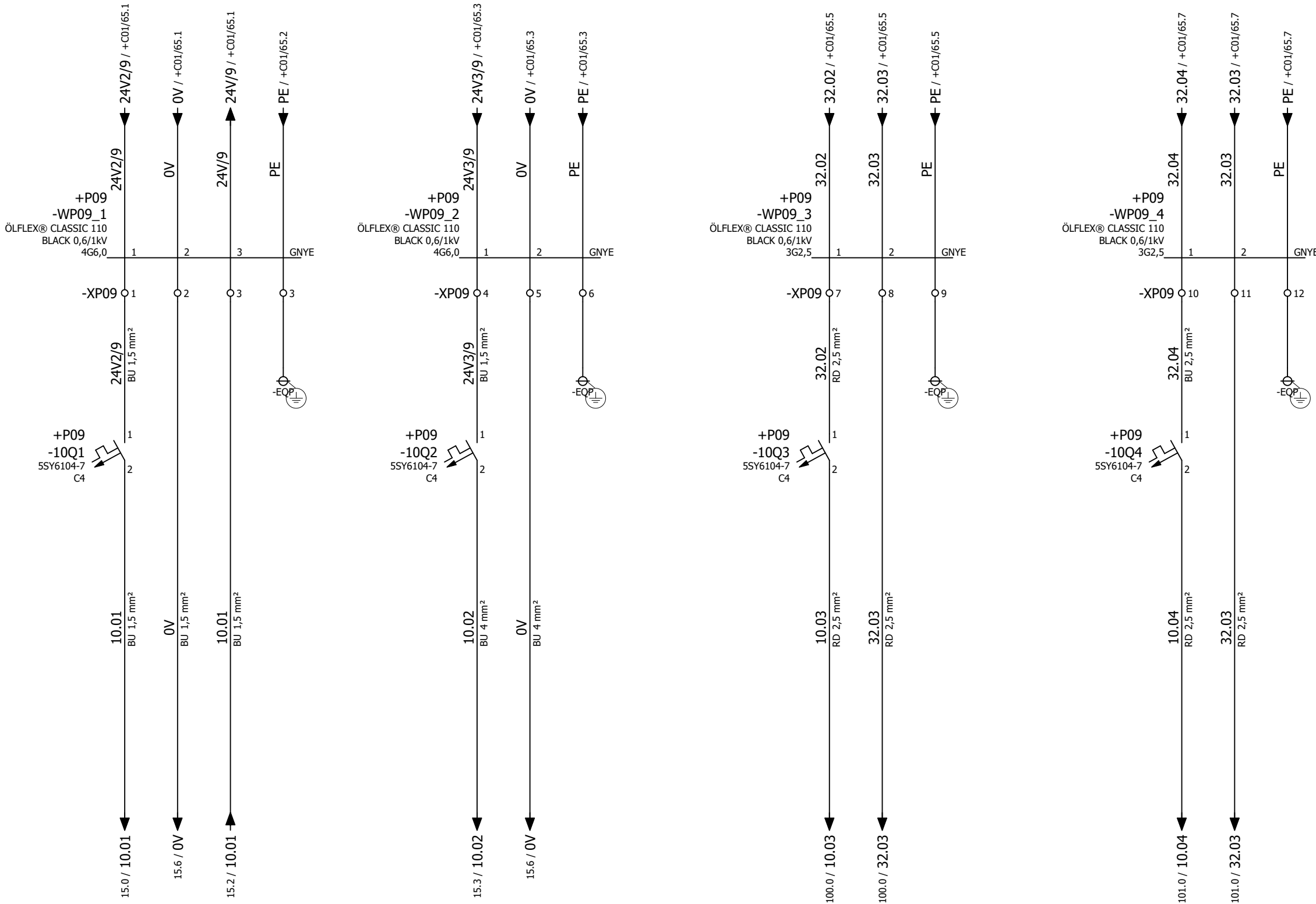
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WIRES COLOR TABLE																									
<div> Wire Colours</div>								Type of Signal																	
<div><div></div><div>L1,L2,L3 (Black)</div></div>								Power Circuit																	
<div><div></div><div>230Vac Auxiliary (Red)</div></div>								Auxiliary Circuit 230Vac																	
<div><div></div><div>24Vdc (Blue)</div></div>								Auxiliary Circuit 24Vdc																	
<div><div></div><div>PE (Yellow-Green)</div></div>								Protection Circuits PE																	
<div><div></div><div>External Circuits (Orange)</div></div>								External Circuits																	
<div><div></div><div>Profinet Cable (Green)</div></div>								Ethernet Cable																	
<div><div></div><div>Internet Cable (Grey)</div></div>								Internet Cable																	
Wires Minimum Size		Plc Circuit		0,5 mm ²		Type		mm ²																	
		Auxiliary Circuits		1 mm ²																					
		Power Circuits		1,5 mm ²																					
Date	13/06/2025			<div><div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>				CONTINUOUS CASTER				WIRES COLOR TABLE				+ P09		60-04-86A		1		←			
Ed.	UTE																								
Rev	08/08/2025	08/08/2025																						2	
Rev	1	=> 1																						r43.51	

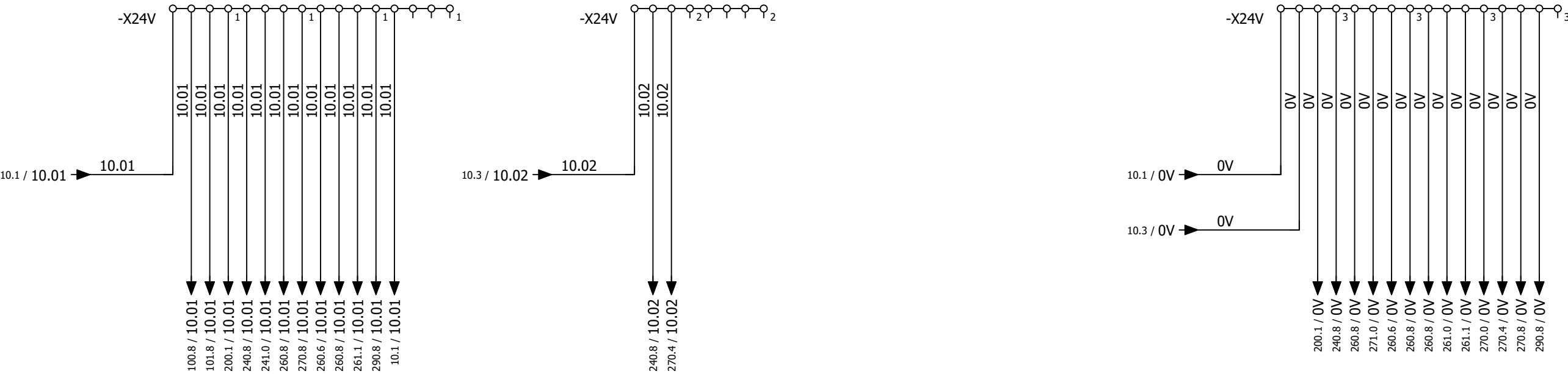
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Assignment	Page	Page description	Revision	Edited by
+P09		CONTROL DESK POLVERIZATION		
	1	COVER	1	UTE
	2	WIRES COLOR TABLE	1	UTE
	4	Table of contents	1	UTE
	4.a	Table of contents	1	UTE
	10	Supply Line	1	UTE
	15	Distribution 24Vdc	1	UTE
	100	Upper pump power supply	1	UTE
	101	Lower pump power supply	1	UTE
	170	Safety limit switch	1	UTE
	200	PLC	1	UTE
	210	Digital safety input	1	UTE
	240	Digital inputs	1	UTE
	241	Digital inputs	1	UTE
	242	Digital inputs	1	UTE
	243	Digital inputs	1	UTE
	260	Analog input	1	UTE
	261	Analog input	1	UTE
	270	Digital outputs	1	UTE
	271	Digital outputs	1	UTE
	272	Digital outputs	1	UTE
	273	Digital outputs	1	UTE
	290	Analog output	1	UTE
	380	Terminal strip	1	UTE
	390	External layout	1	UTE
	391	External layout	1	UTE
	393	Internal layout	1	UTE
	400	Terminal diagram =+P09-X24V	1	UTE
	401	Terminal diagram =+P09-XAI	1	UTE

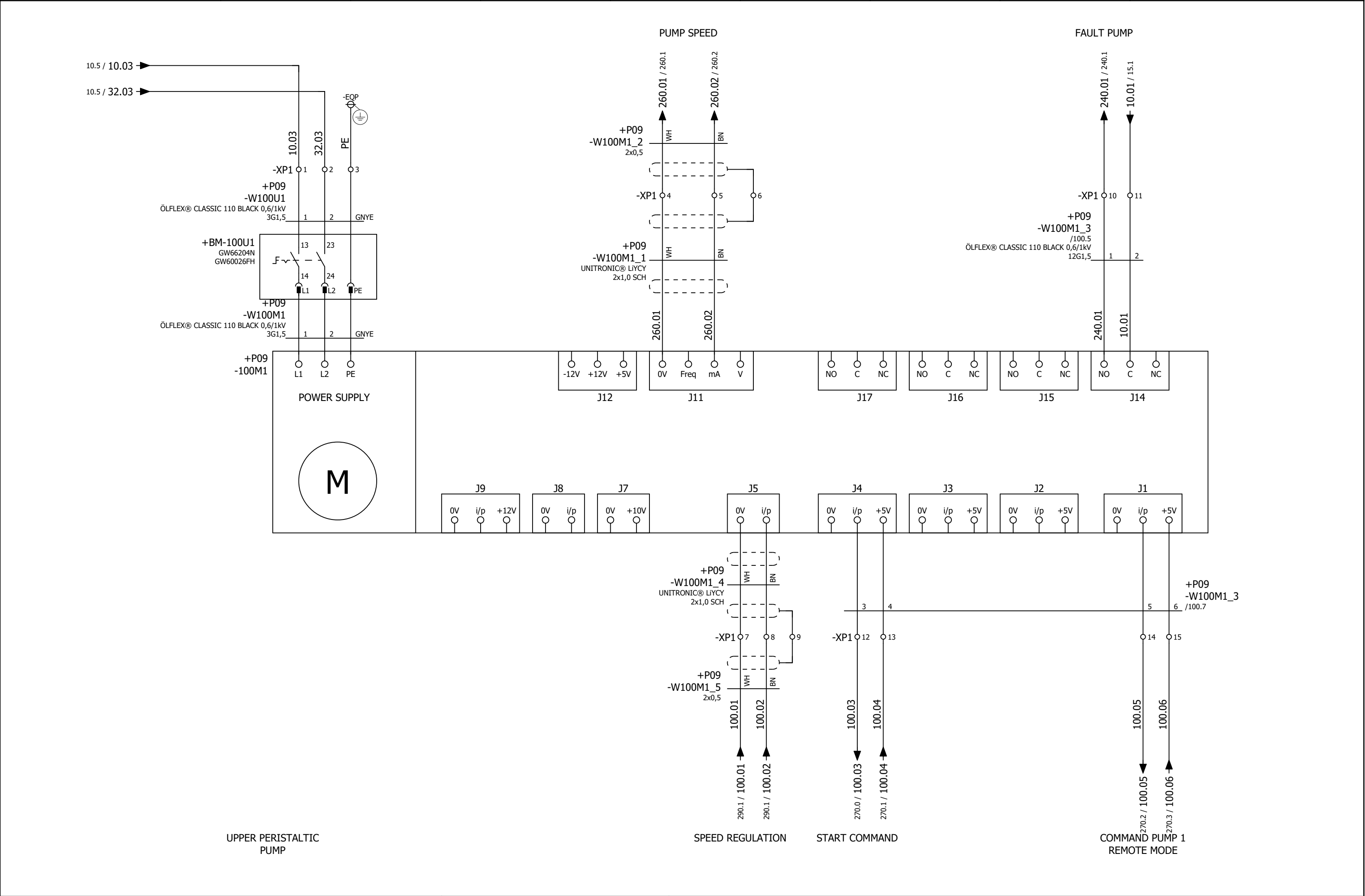
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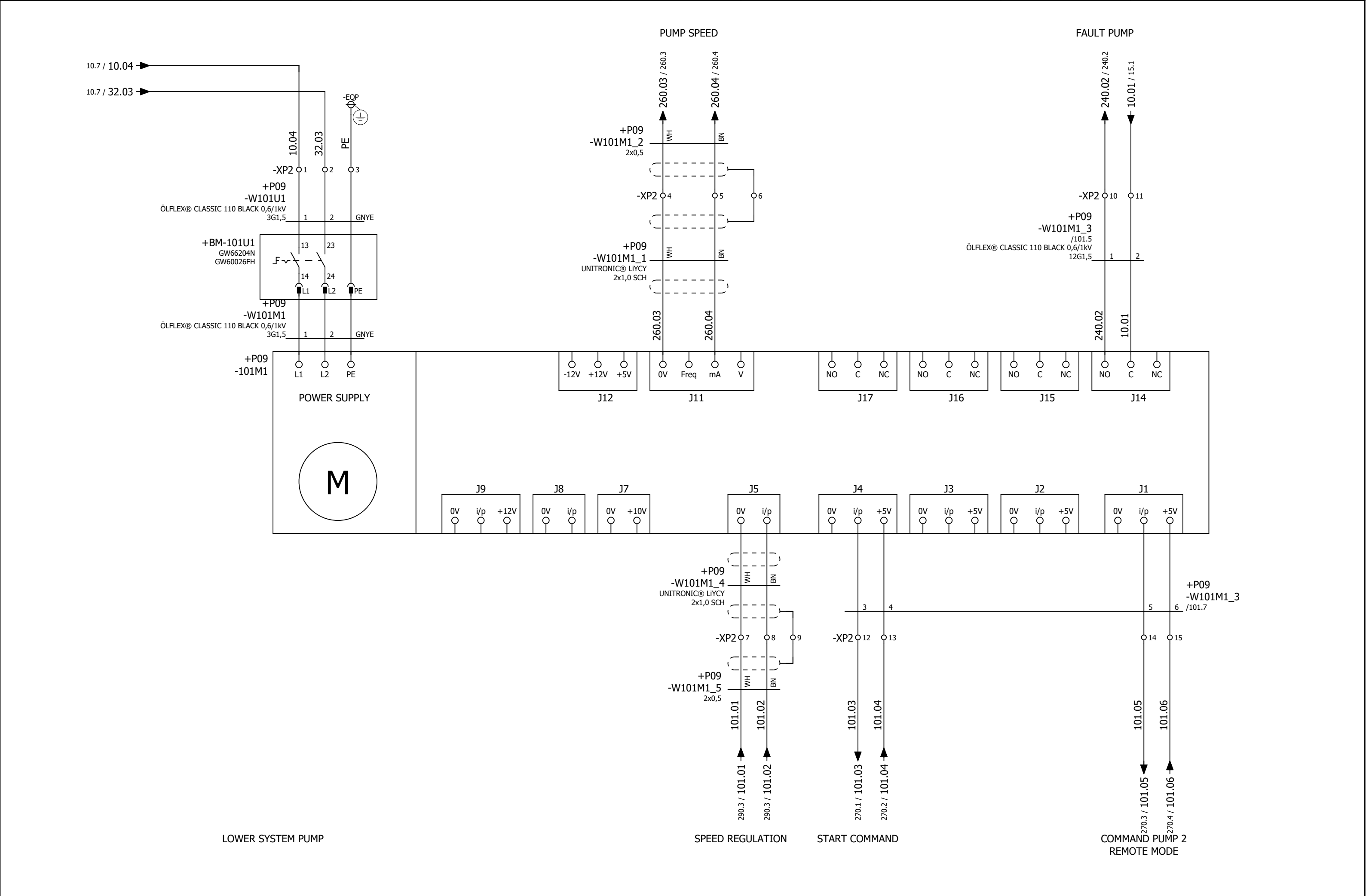
Assignment	Page	Page description	Revision	Edited by
+P09		CONTROL DESK POLVERIZATION		
	401.a	Terminal diagram =+P09-XAI	1	UTE
	402	Terminal diagram =+P09-XEV	1	UTE
	403	Terminal diagram =+P09-XFS1	1	UTE
	404	Terminal diagram =+P09-XFS2	1	UTE
	405	Terminal diagram =+P09-XP1	1	UTE
	406	Terminal diagram =+P09-XP2	1	UTE
	407	Terminal diagram =+P09-XP09	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE
	500.c	Parts list	1	UTE



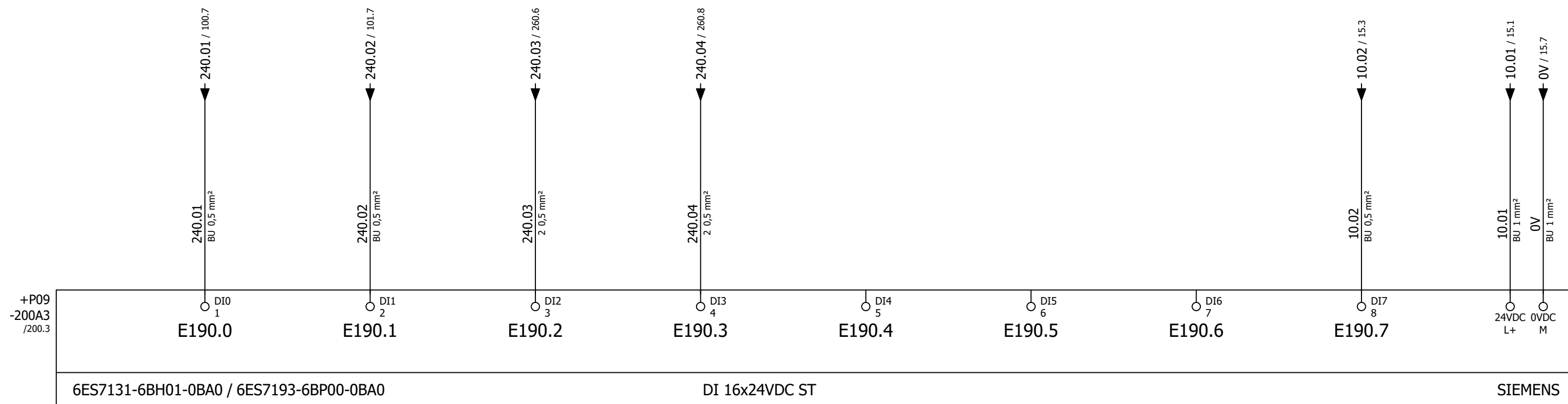


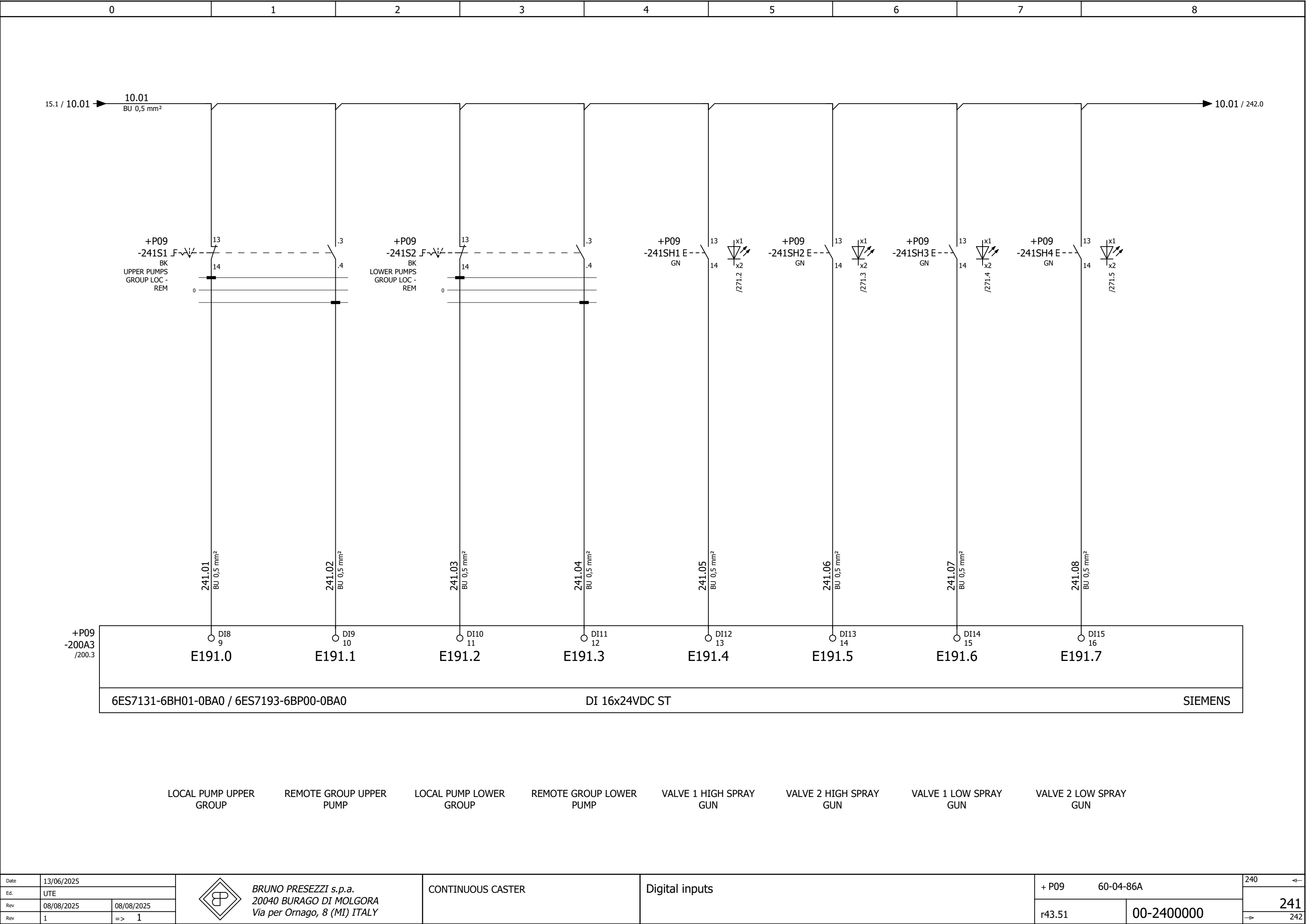
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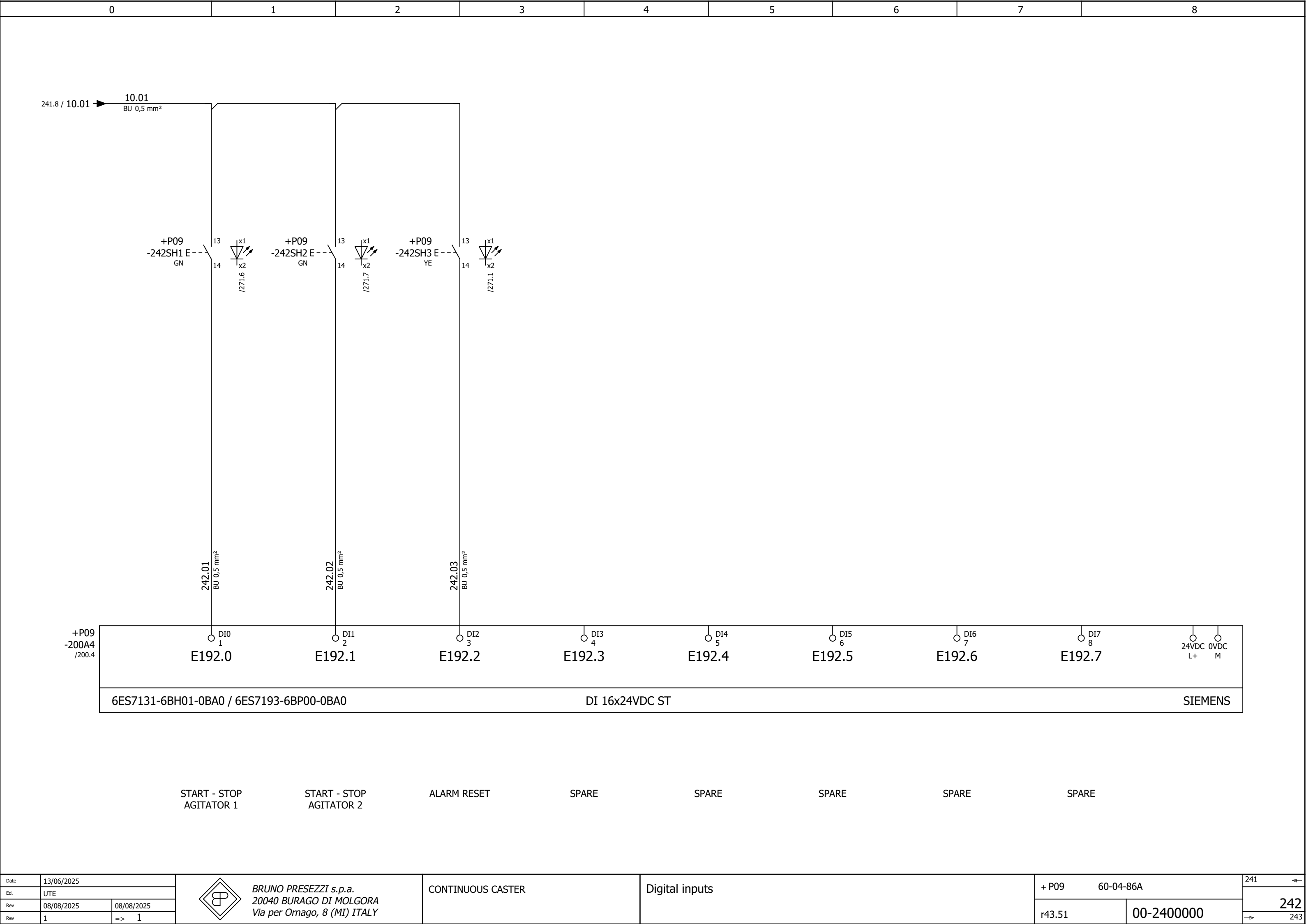










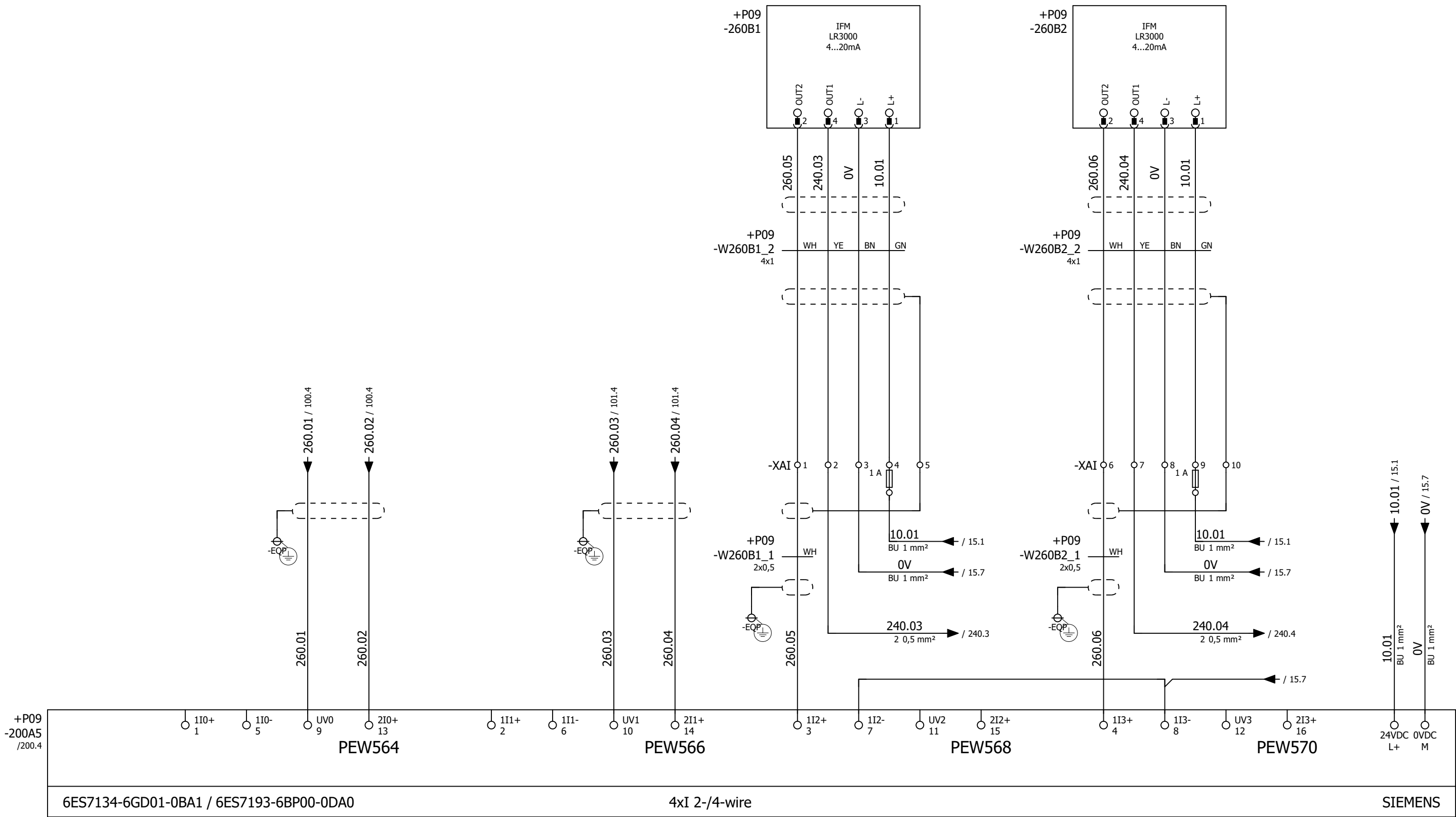


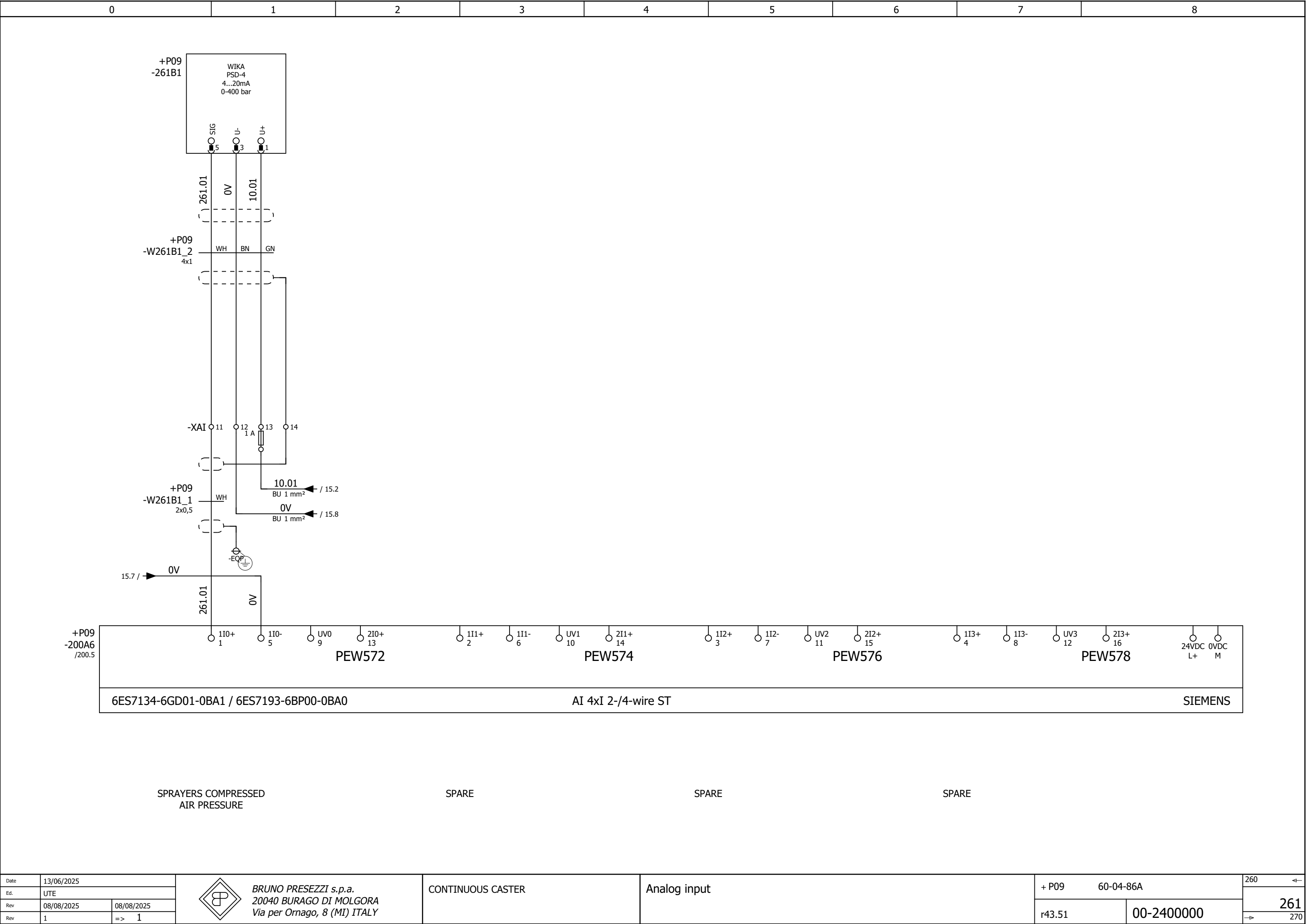
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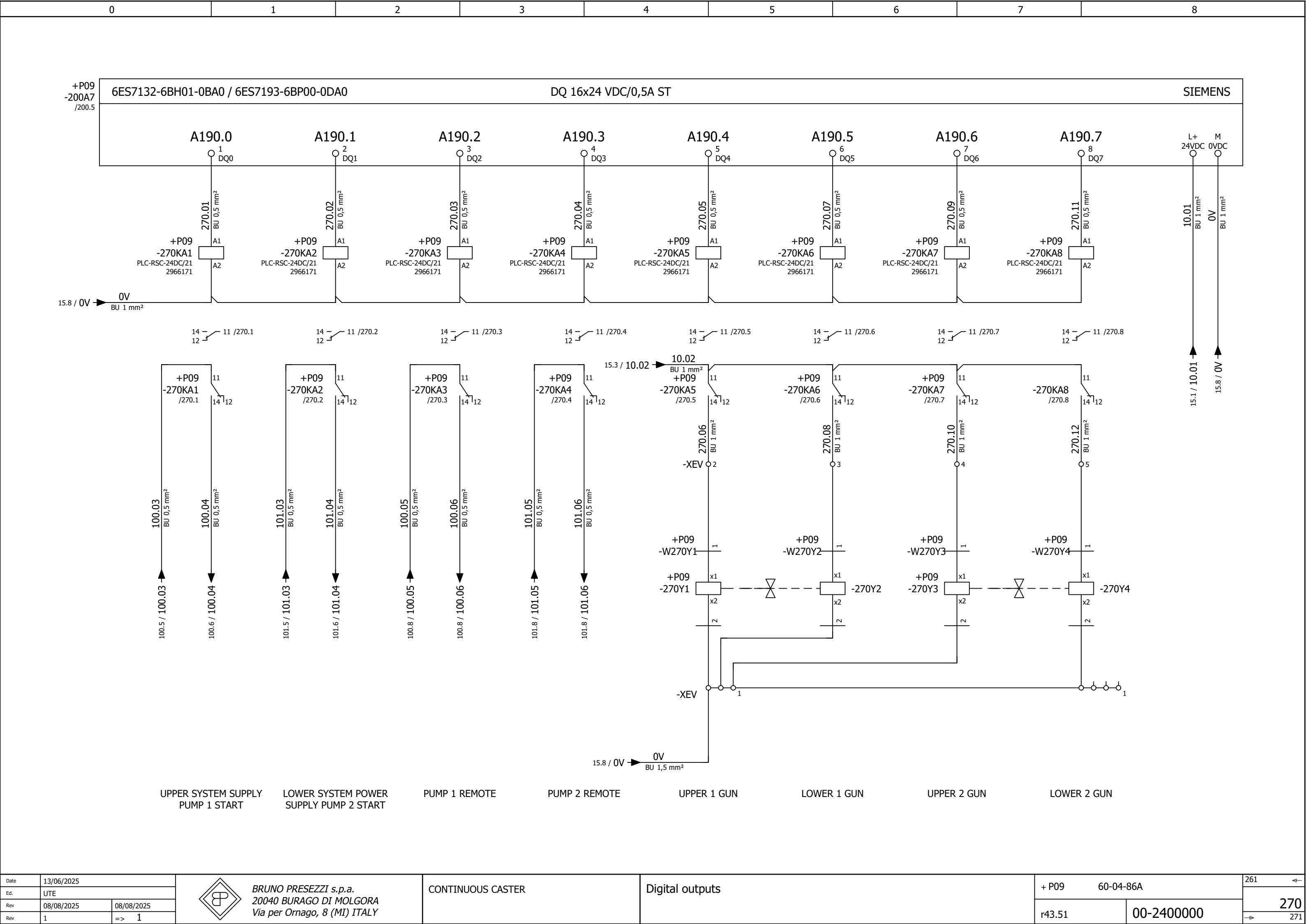
DI 16x24VDC ST

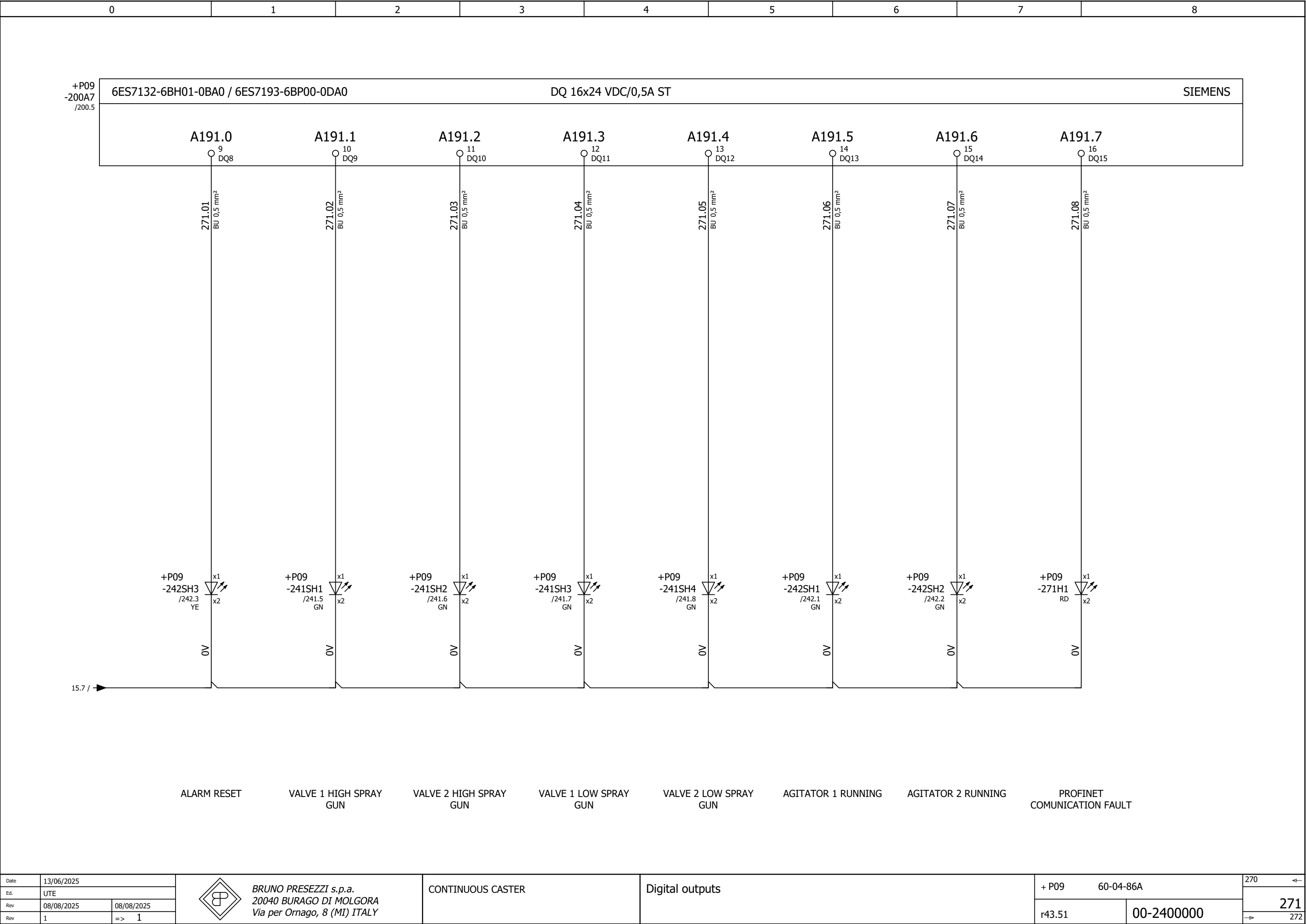
SIEMENS

Date	13/06/2025		<div><div><div></div></div><div><div>BRUNO PRESEZZI s.p.a.</div><div>20040 BURAGO DI MOLGORA</div><div>Via per Ornago, 8 (MI) ITALY</div></div></div>	CONTINUOUS CASTER	Digital inputs	+ P0960-04-86A		241
Ed.	UTE							
Rev	08/08/2025	08/08/2025				242		
Rev	1	=> 1				243		











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+P09 -200A8 /200.6	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0										DQ 16x24 VDC/0,5A ST				SIEMENS		
	A192.0 <div><div>1</div>DQ0</div>		A192.1 <div><div>2</div>DQ1</div>		A192.2 <div><div>3</div>DQ2</div>		A192.3 <div><div>4</div>DQ3</div>		A192.4 <div><div>5</div>DQ4</div>		A192.5 <div><div>6</div>DQ5</div>		A192.6 <div><div>7</div>DQ6</div>		A192.7 <div><div>8</div>DQ7</div>		L+ 24VDC M 0VDC
SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE			

Date	13/06/2025		<div></div> <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Digital outputs	+ P09 60-04-86A		271	←		
Ed.	UTE										
Rev	08/08/2025	08/08/2025						272			
Rev	1	=> 1				r43.51	00-2400000		→ 273		

0		1		2		3		4		5		6		7		8																													
+P09 -200A8 /200.6	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0															DQ 16x24 VDC/0,5A ST															SIEMENS														
	A193.0 <div><div></div><div>9</div><div>DQ8</div></div>					A193.1 <div><div></div><div>10</div><div>DQ9</div></div>					A193.2 <div><div></div><div>11</div><div>DQ10</div></div>					A193.3 <div><div></div><div>12</div><div>DQ11</div></div>					A193.4 <div><div></div><div>13</div><div>DQ12</div></div>					A193.5 <div><div></div><div>14</div><div>DQ13</div></div>					A193.6 <div><div></div><div>15</div><div>DQ14</div></div>					A193.7 <div><div></div><div>16</div><div>DQ15</div></div>									
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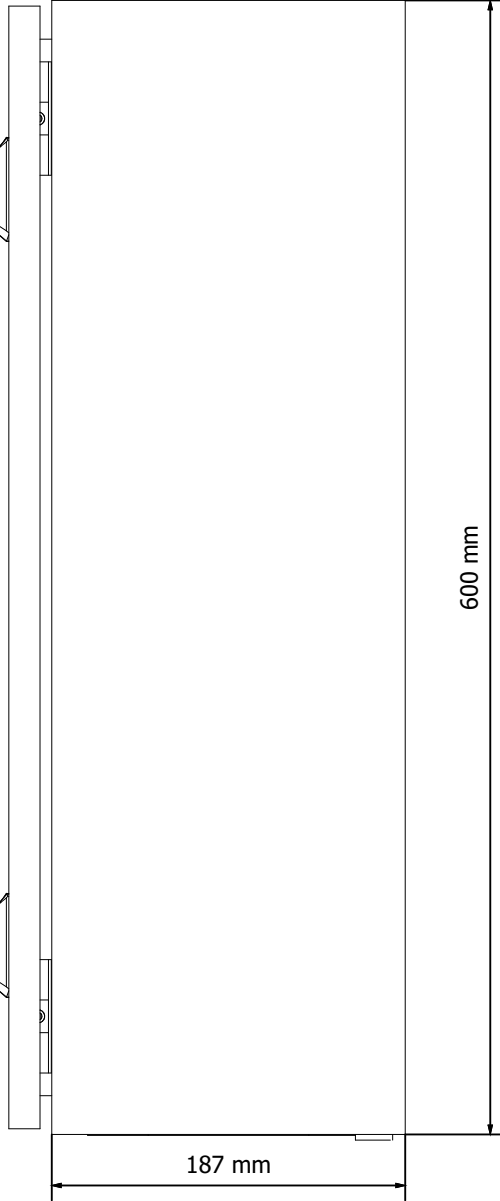
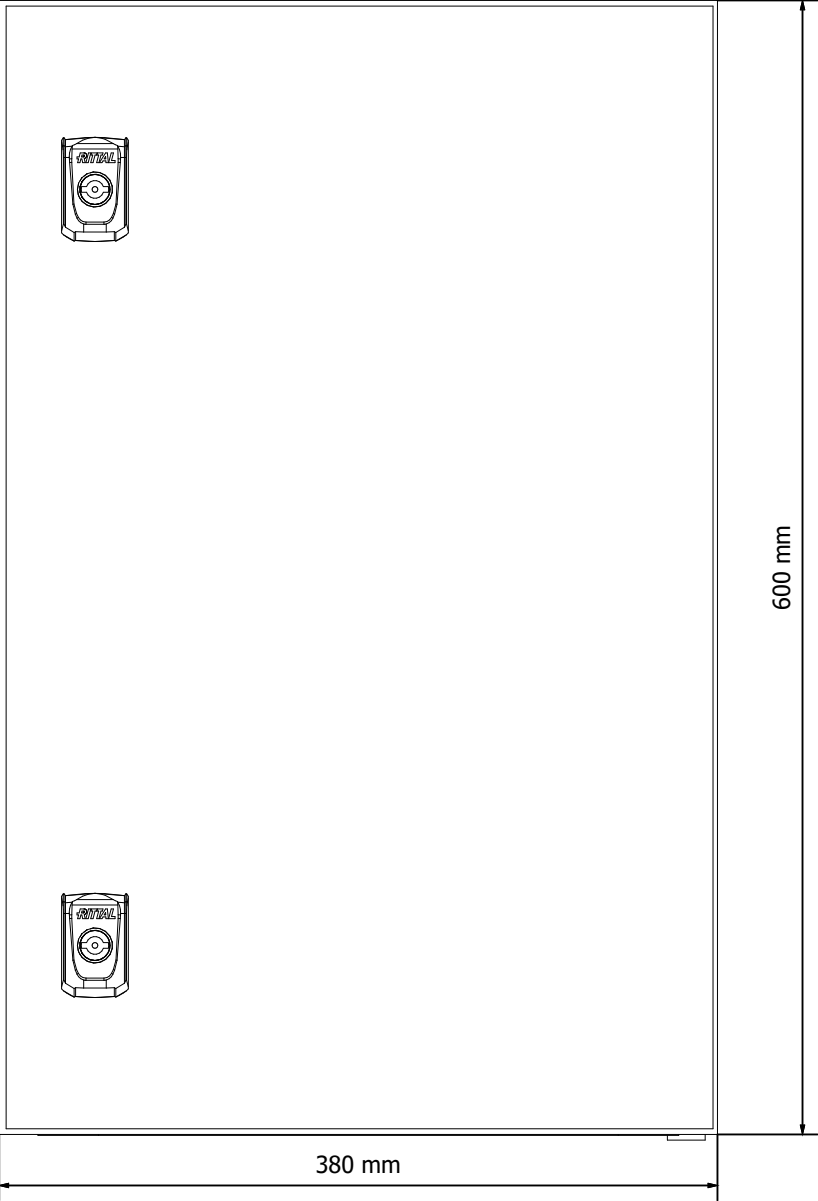
Date	13/06/2025		<div><div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Digital outputs	+ P09 60-04-86A		272	←
Ed.	UTE							273	
Rev	08/08/2025	08/08/2025							
Rev	1	=> 1				r43.51	00-2400000		→ 290



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<div>TERMINAL STRIP AND COTORS</div> <div><div>-XP09 = Power supply terminal strip</div><div>-X24V = 24Vdc common terminal strip</div><div>-XEV = Solenoid valve terminal strip</div><div>-XAI = Analog input terminal strip</div><div>-XP1 = Upper pump group terminal strip</div><div>-XP2 = Lower pump group terminal strip</div><div>-XFS1 = safety limit switch 1 terminal strip</div><div>-XFS2 = safety limit switch 2 terminal strip</div></div>									
Date	13/06/2025		<div><div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Terminal strip	+ P0960-04-86A		290	
Ed.	UTE					380			
Rev	08/08/2025	08/08/2025				r43.51	00-2400000	390	
Rev	1	=> 1							

P09

FRONT DOOR
STAINLESS STEEL



Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

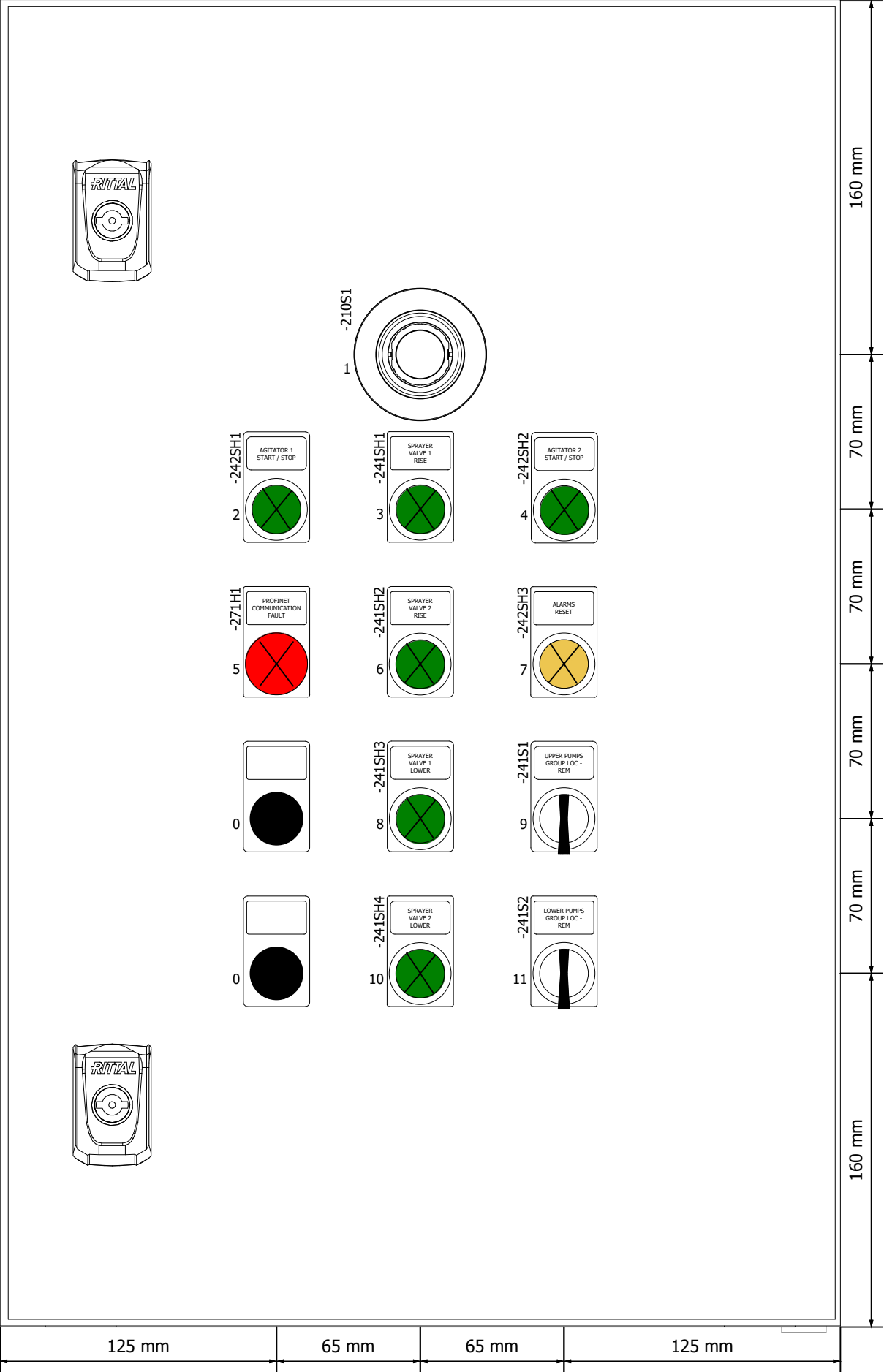
External layout

+ P09 60-04-86A		380	←
r43.51 00-2400000		390	
		→	391

P09


FRONT DOOR


STAINLESS STEEL




P09



13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P09-XAI	+ P09 60-04-86A		401 ←
UTE					r43.51	00-2400000	401.a
08/08/2025	08/08/2025						→ 402
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13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P09-XP1	+ P09 60-04-86A		404
UTE					r43.51	00-2400000	40
08/08/2025	08/08/2025						
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13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P09-XP2	+ P09 60-04-86A		405 ←
UTE					r43.51	00-2400000	406
08/08/2025	08/08/2025						→ 407
1	=> 1						

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-10Q2	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-10Q3	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-10Q4	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-XP09	5	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP09	2	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-XP09	4	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XP09	2	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-X24V	10	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XP1	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XP1	1	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-XP2	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XP2	1	Feed-through terminal	ST 2,5-PE	Phoenix Contact	PXC.3031238
-XFS1	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XFS2	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A2	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A5	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A5	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A6	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A7	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A7	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A8	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A8	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A9	1	Analog output card	6ES7135-6HD00-0BA1	Siemens	SIE.6ES7135-6HD00-0BA1
-200A9	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-210S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-210S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-210S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-210S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-210S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-241S1	1	Selector switch	ZB4BJ3	Schneider Electric	SE.ZB4BJ3
-241S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-241S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S2	1	Selector switch	ZB4BJ3	Schneider Electric	SE.ZB4BJ3
-241S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S2	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-241S2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-241SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH2	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-241SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-241SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH3	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-241SH3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241SH3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241SH3	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH4	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-241SH4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241SH4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241SH4	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-242SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-242SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242SH2	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-242SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-242SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242SH3	1	Pushbutton	ZB4BW383	Schneider Electric	SE.ZB4BW383
-242SH3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242SH3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242SH3	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-242SH3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-XAI	11	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	3	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XAI	3	Fuse 5x20	0101001	Italweber	IW.0101001
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XEV	2	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XEV	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-271H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-271H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-271H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-390M1	1	AX compact box	AX.1038000	Rittal	RIT.1038000
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
-391S1	2	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	2	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3

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AL INVEST









Designation system	CONTINUOUS CASTER	Job	: 00-2400000
Mounting location:	P10 BOX LOW PRESSURE UNIT	Drawing	: 60-04-87A

Power supply	400Vac 50Hz
Input lead	3ph + PE
Auxiliary voltage	230Vac - 24Vdc
Year of manufacture	2025

5		
4		
3		
2		
1	08/08/2025	SECOND ISSUED
0	13/06/2025	FIRST ISSUED
Rev.	Date	Description

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WIRES COLOR TABLE

 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

0		1		2		3		4		5		6		7		8	
Table of contents																	
Assignment				Page		Page description								Revision		Edited by	
+P10				BOX LOW PRESSURE UNIT													
				1		COVER								1		UTE	
				2		WIRES COLOR TABLE								1		UTE	
				4		Table of contents								1		UTE	
				4.a		Table of contents								1		UTE	
				10		Supply Line								1		UTE	
				15		Distribution 24Vdc								1		UTE	
				150		Pump temperature relay								1		UTE	
				180		Push button								1		UTE	
				200		PLC								1		UTE	
				240		Digital inputs								1		UTE	
				241		Digital inputs								1		UTE	
				260		Analog input								1		UTE	
				261		Analog input								1		UTE	
				262		Analog input								1		UTE	
				263		Analog input								1		UTE	
				270		Digital outputs								1		UTE	
				271		Digital outputs								1		UTE	
				380		Terminal strip								1		UTE	
				390		External layout								1		UTE	
				391		External layout								1		UTE	
				393		Internal layout								1		UTE	
				400		Terminal diagram =+P10-X24V								1		UTE	
				400.a		Terminal diagram =+P10-X24V								1		UTE	
				401		Terminal diagram =+P10-X57								1		UTE	
401.a		Terminal diagram =+P10-X57								1		UTE					
402		Terminal diagram =+P10-XAI								1		UTE					
402.a		Terminal diagram =+P10-XAI								1		UTE					
402.b		Terminal diagram =+P10-XAI								1		UTE					


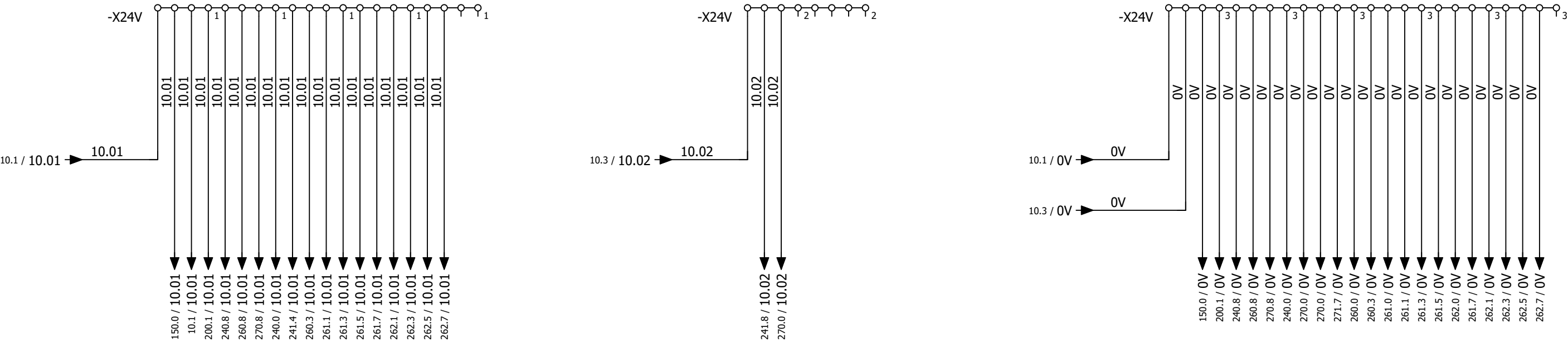
ate	13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Table of contents	+ P10 60-04-87A		2	<		
i.	UTE										
ev	08/08/2025	08/08/2025									
ev	1	=> 1						r43.51	00-2400000		→

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Assignment	Page	Page description	Revision	Edited by
+P10		BOX LOW PRESSURE UNIT		
	402.c	Terminal diagram =+P10-XAI	1	UTE
	403	Terminal diagram =+P10-XEV	1	UTE
	404	Terminal diagram =+P10-XP10	1	UTE
	405	Terminal diagram =+P10-XT	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE



DISTRIBUTION 24Vdc P10

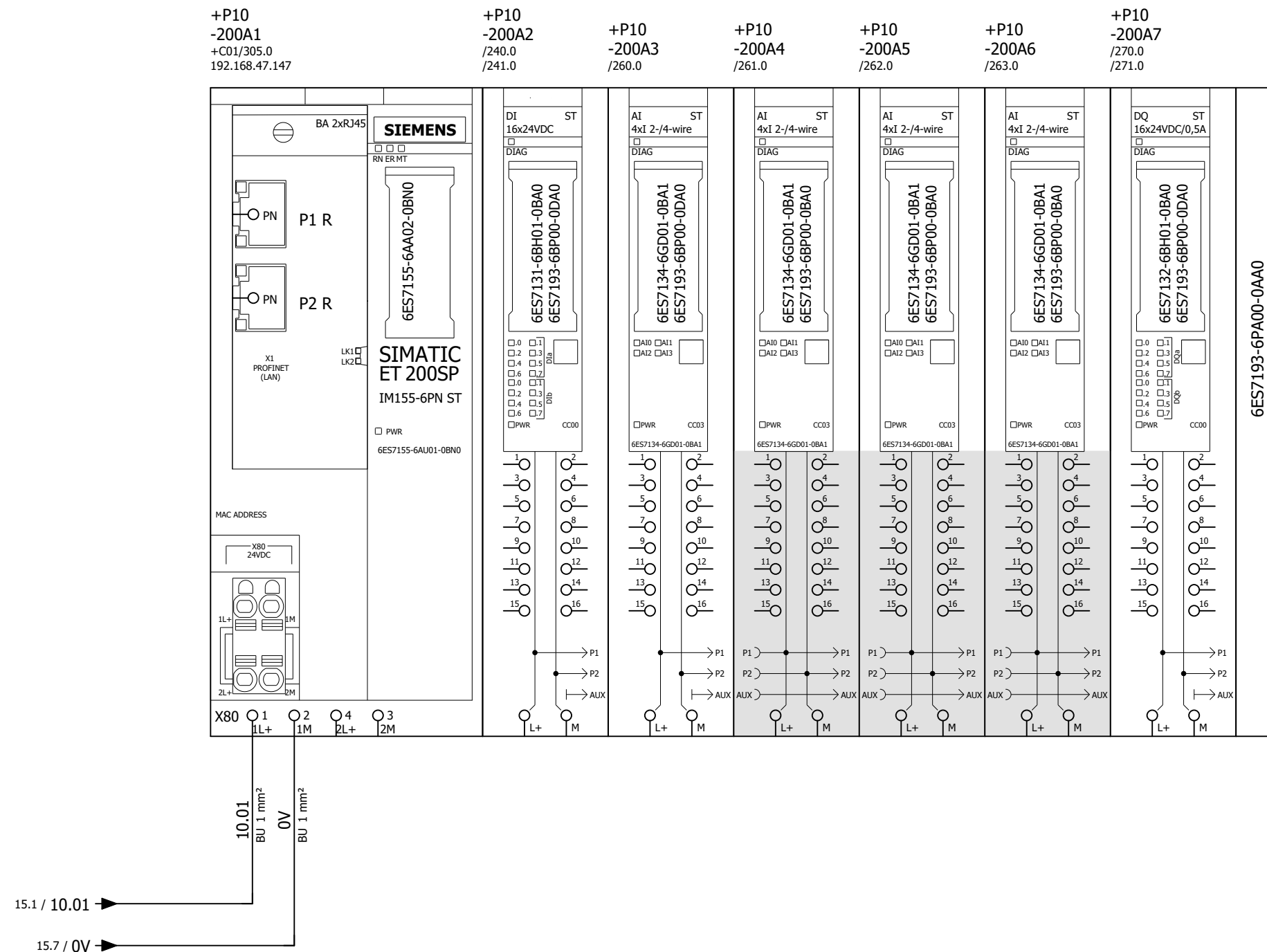
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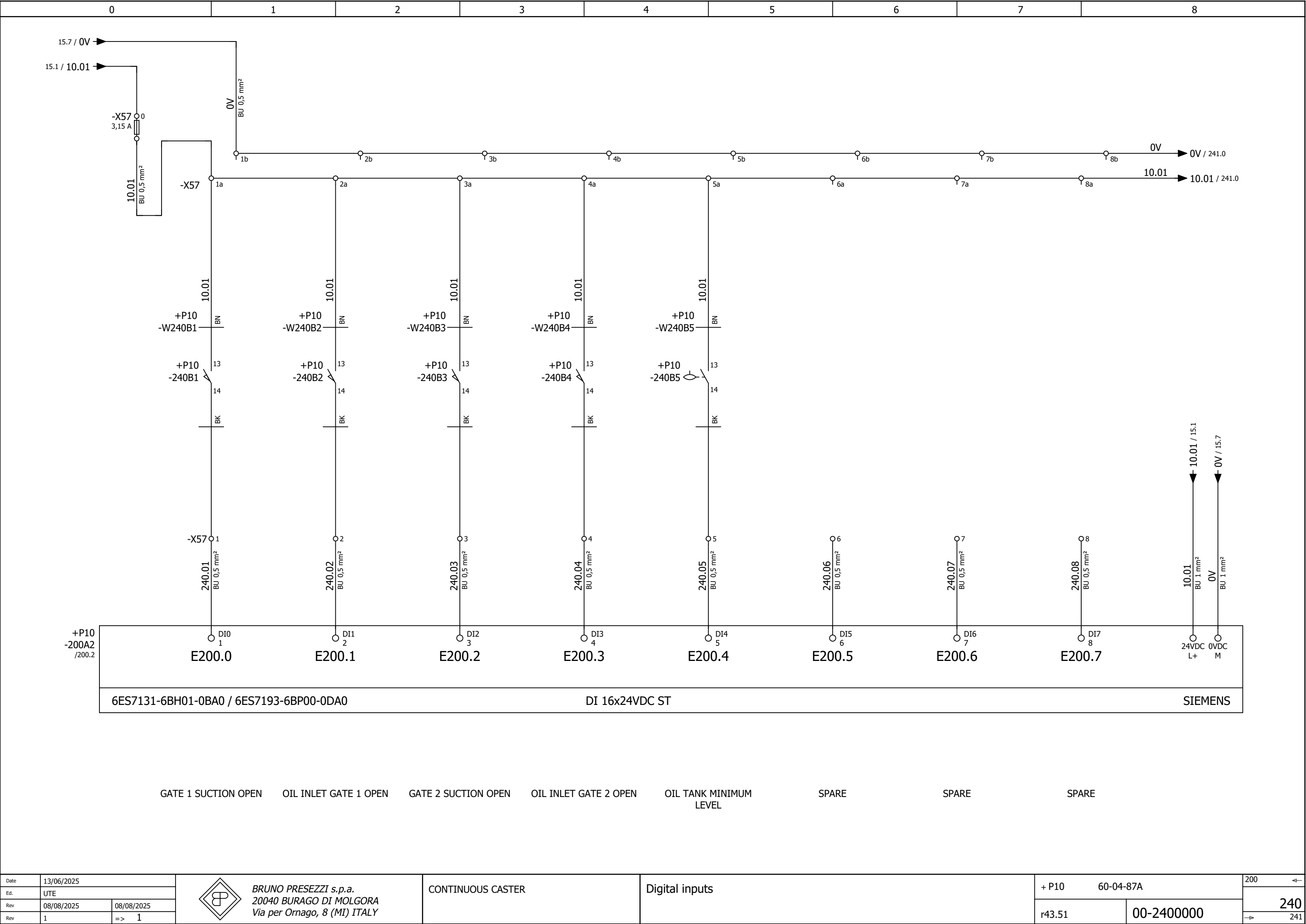
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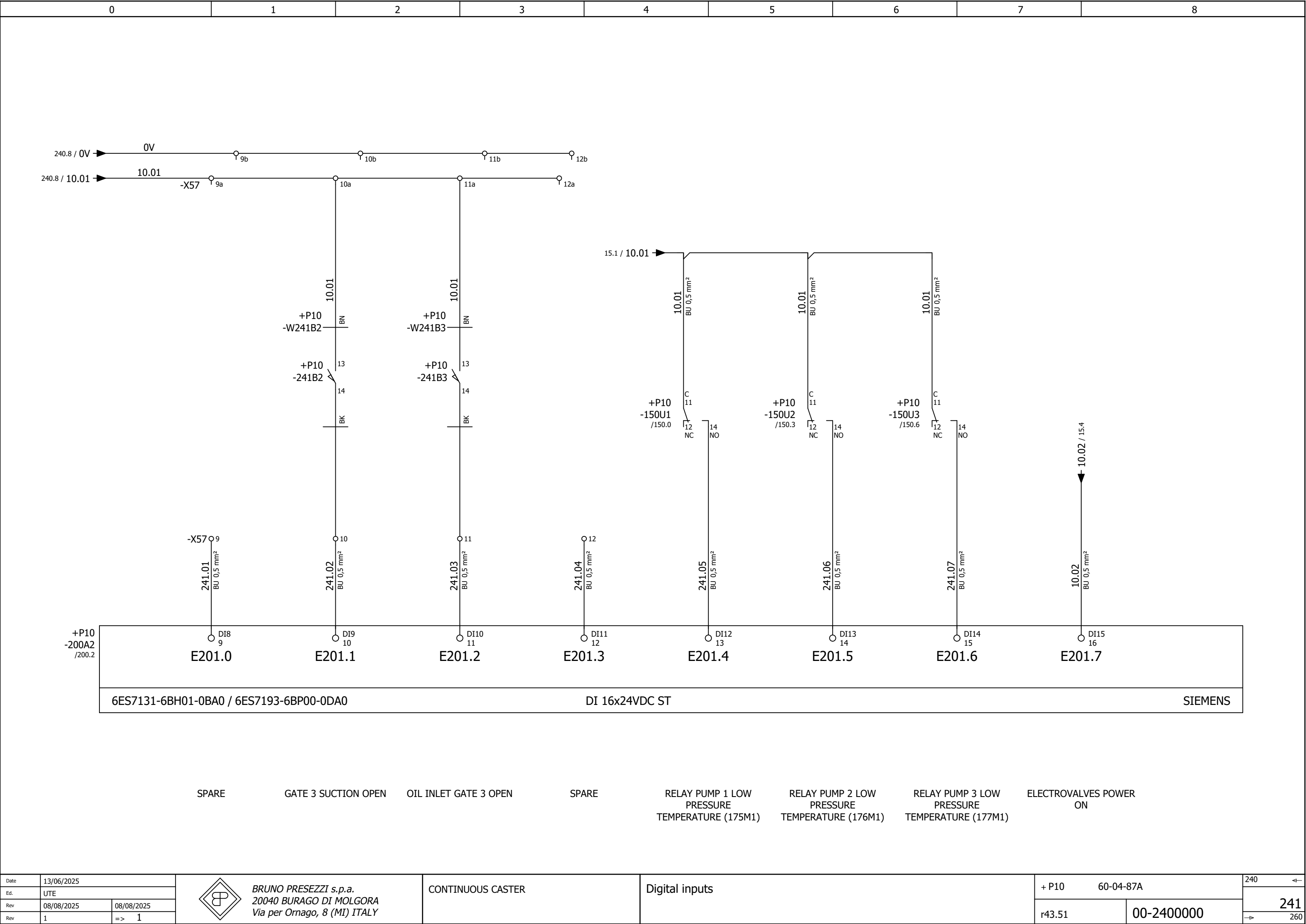
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PRESSURE
TEMPERATURE (175M1)

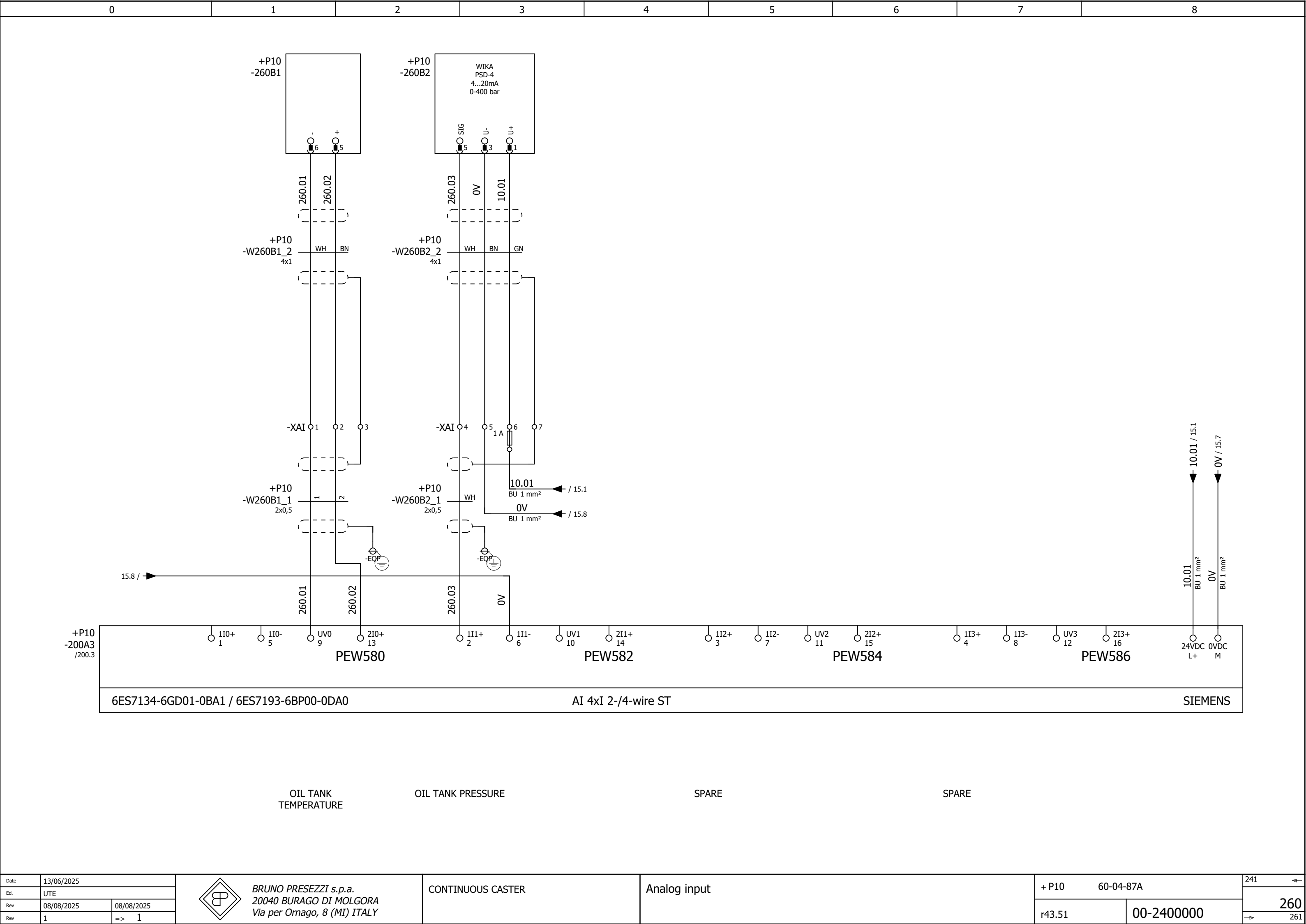
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PRESSURE
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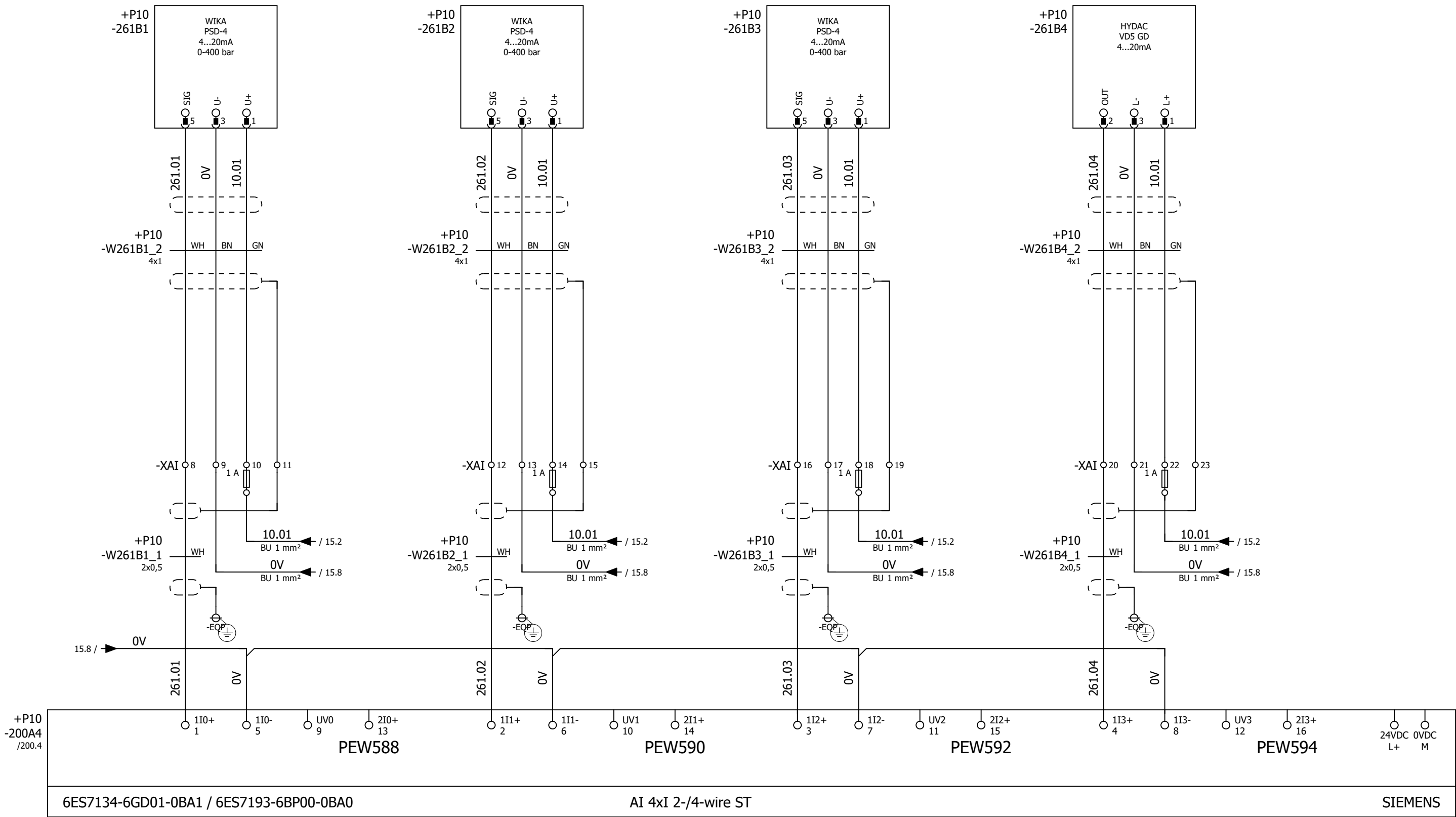
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PRESSURE
TEMPERATURE (177M1)









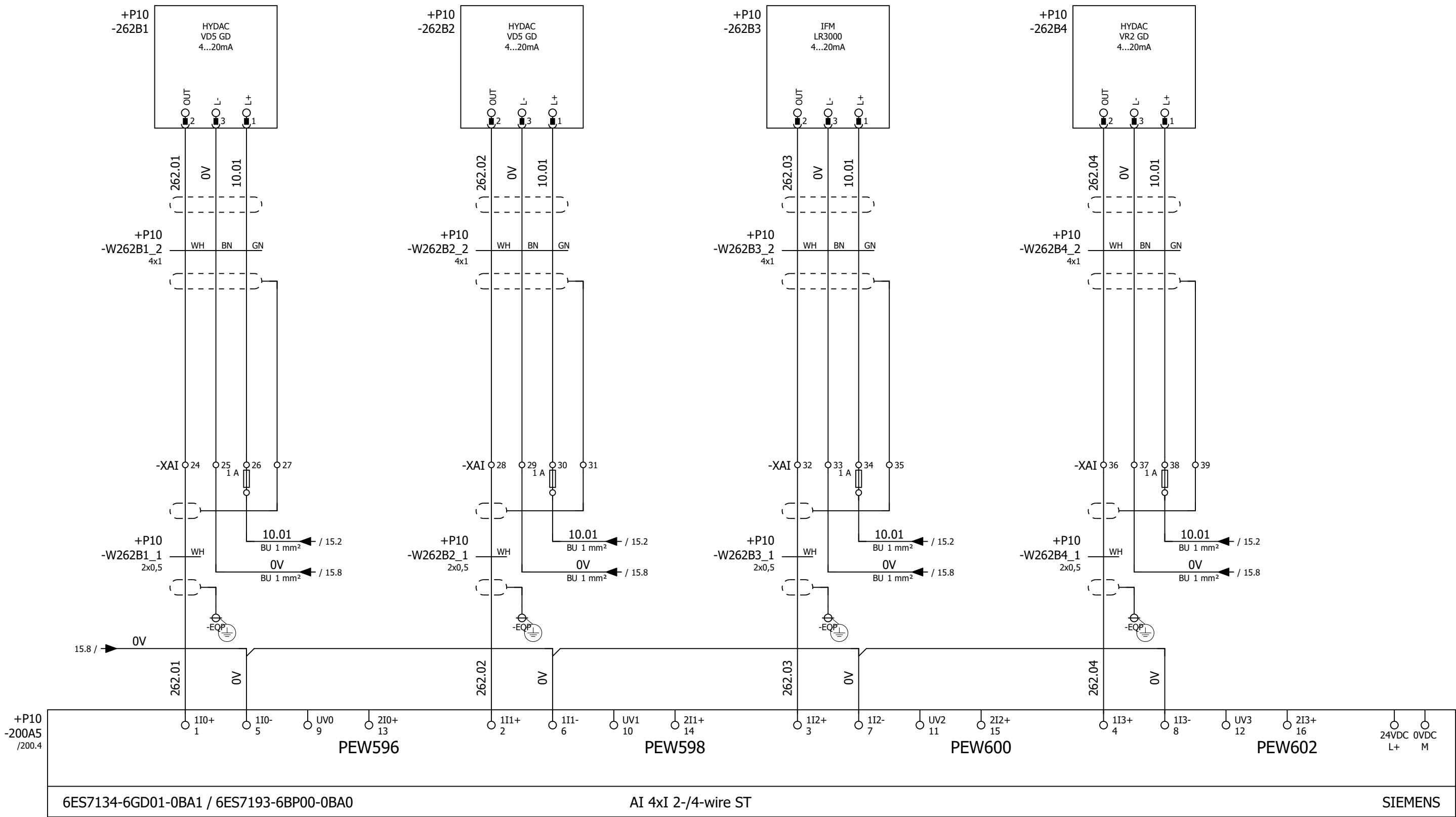


INLET OIL PRESSURE 1

INLET OIL PRESSURE 2

INLET OIL PRESSURE 3

FILTER PRESSURE OIL
PUMP 1 CENTRAL LOW
PRESSURE

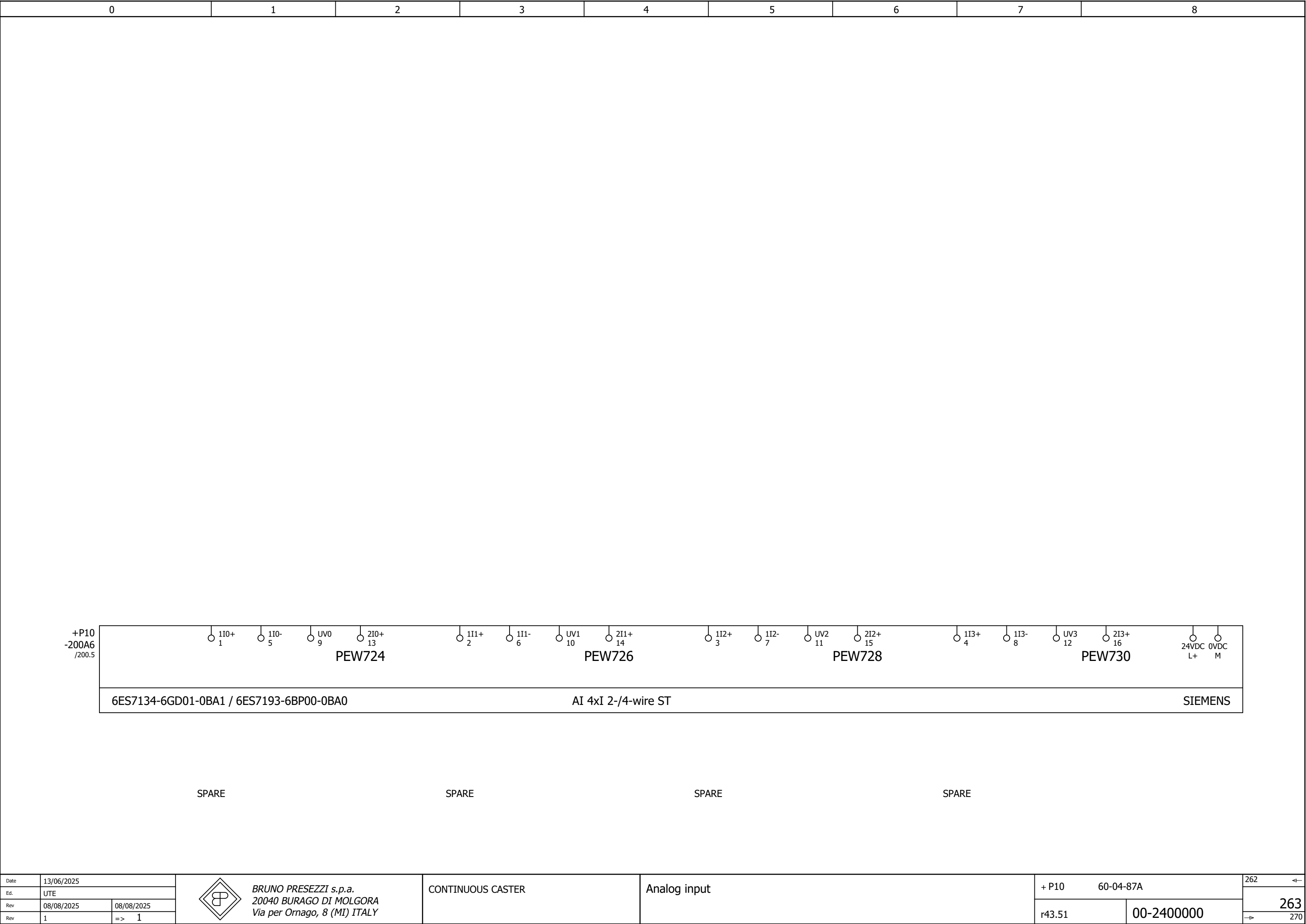


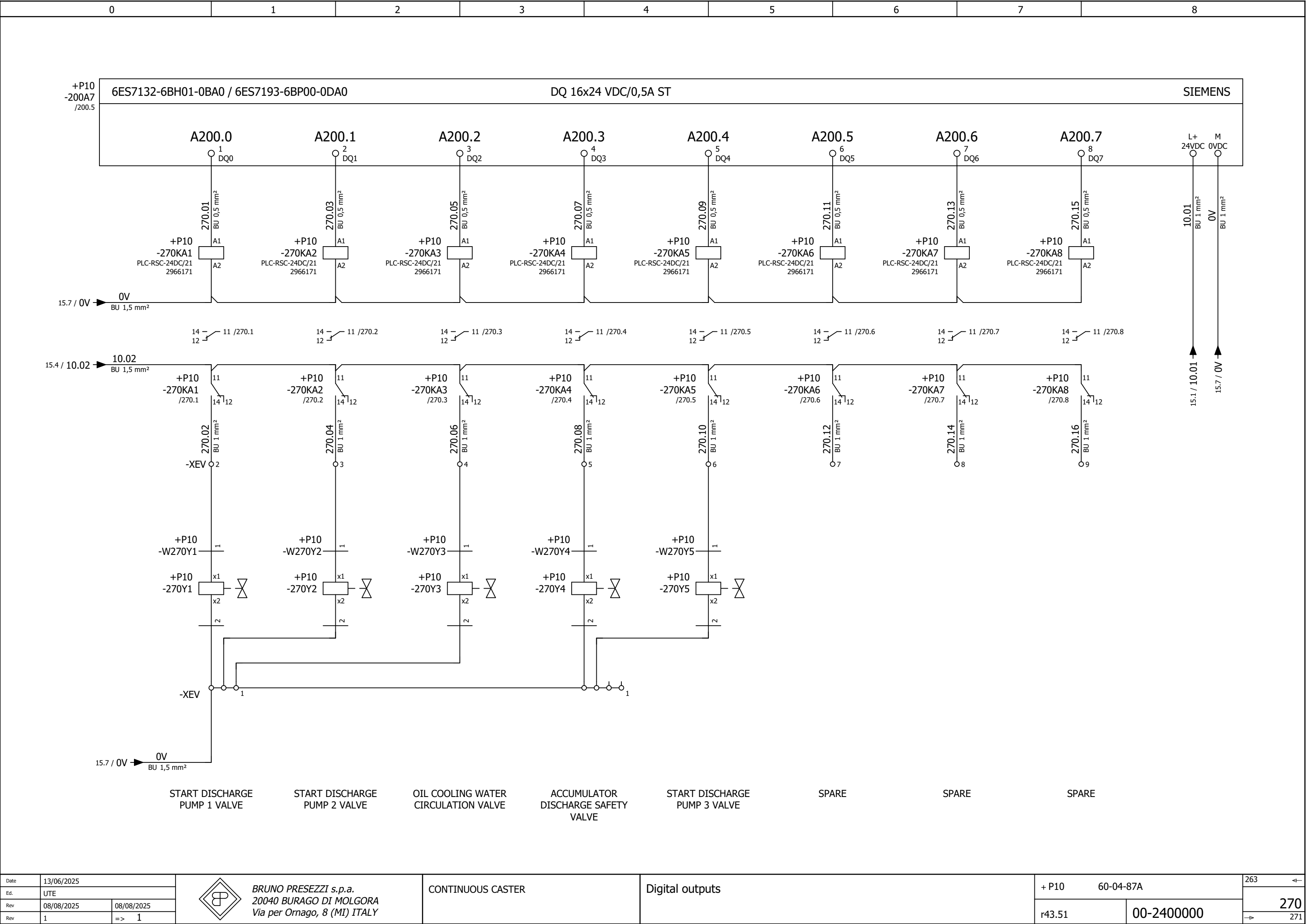
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PUMP 2 CENTRAL LOW
PRESSURE

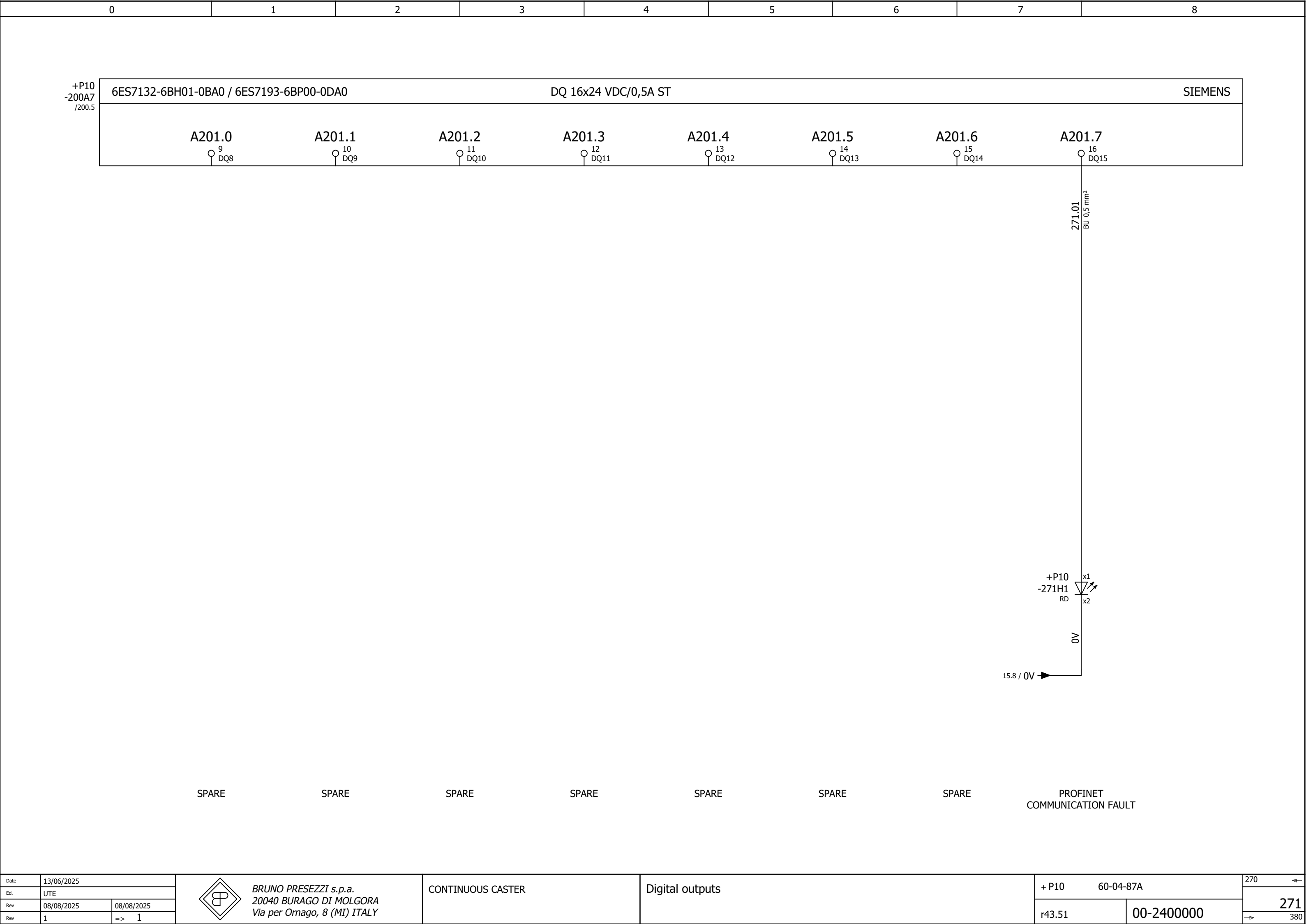
FILTER PRESSURE OIL
PUMP 3 CENTRAL LOW
PRESSURE

ABSOLUTE MINIMUM
TANK OIL LEVEL

RECIRCULATION FILTER
OBSTRUCTION
PRESSURE SWITCH



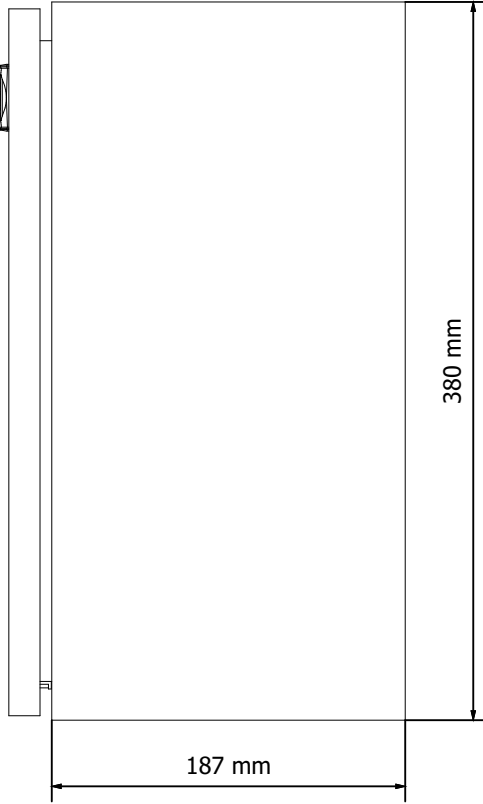
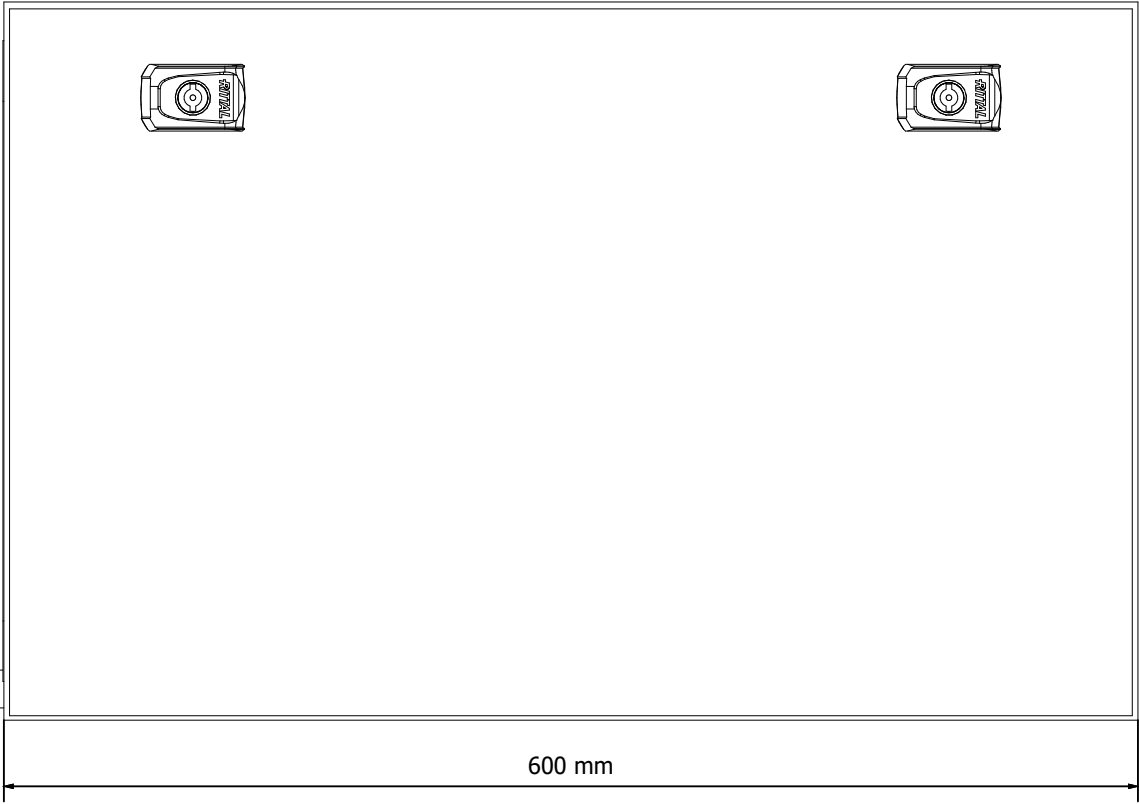




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<div>TERMINAL STRIP AND COTORS</div> <div><div>-XP10 = Power supply terminal strip</div><div>-X24V = 24Vdc common terminal strip</div><div>-XEV = Solenoid valve terminal strip</div><div>-XAI = Analog input terminal strip</div><div>-X57 = Digital signal terminal strip</div><div>-XT = Temperature sensors terminal block</div></div>									
Date	13/06/2025		<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Terminal strip	+ P1060-04-87A		271	
Ed.	UTE								
Rev	08/08/2025	08/08/2025						380	
Rev	1	=> 1				r43.51	00-2400000	390	

P10

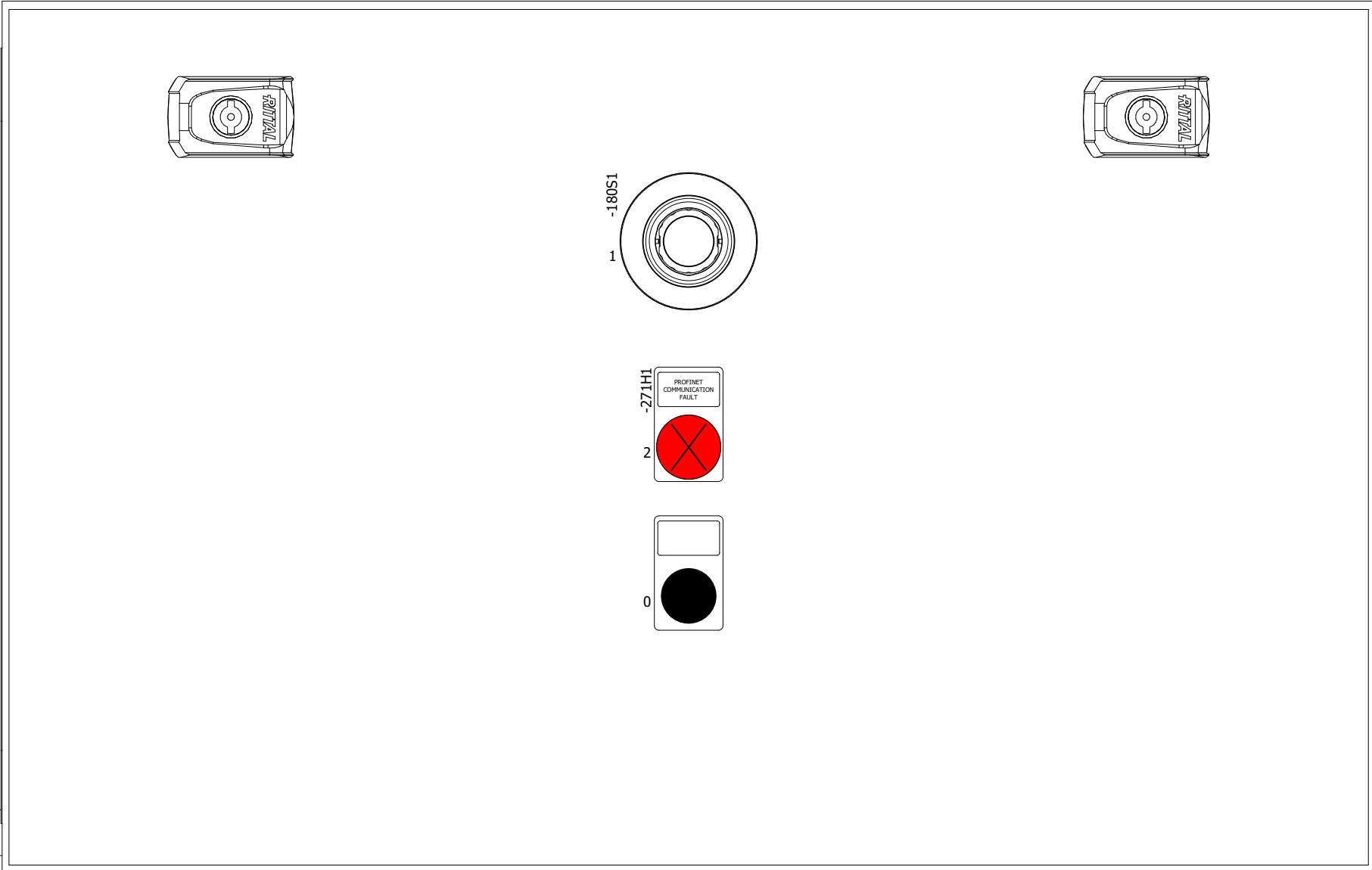
FRONT DOOR
STAINLESS STEEL



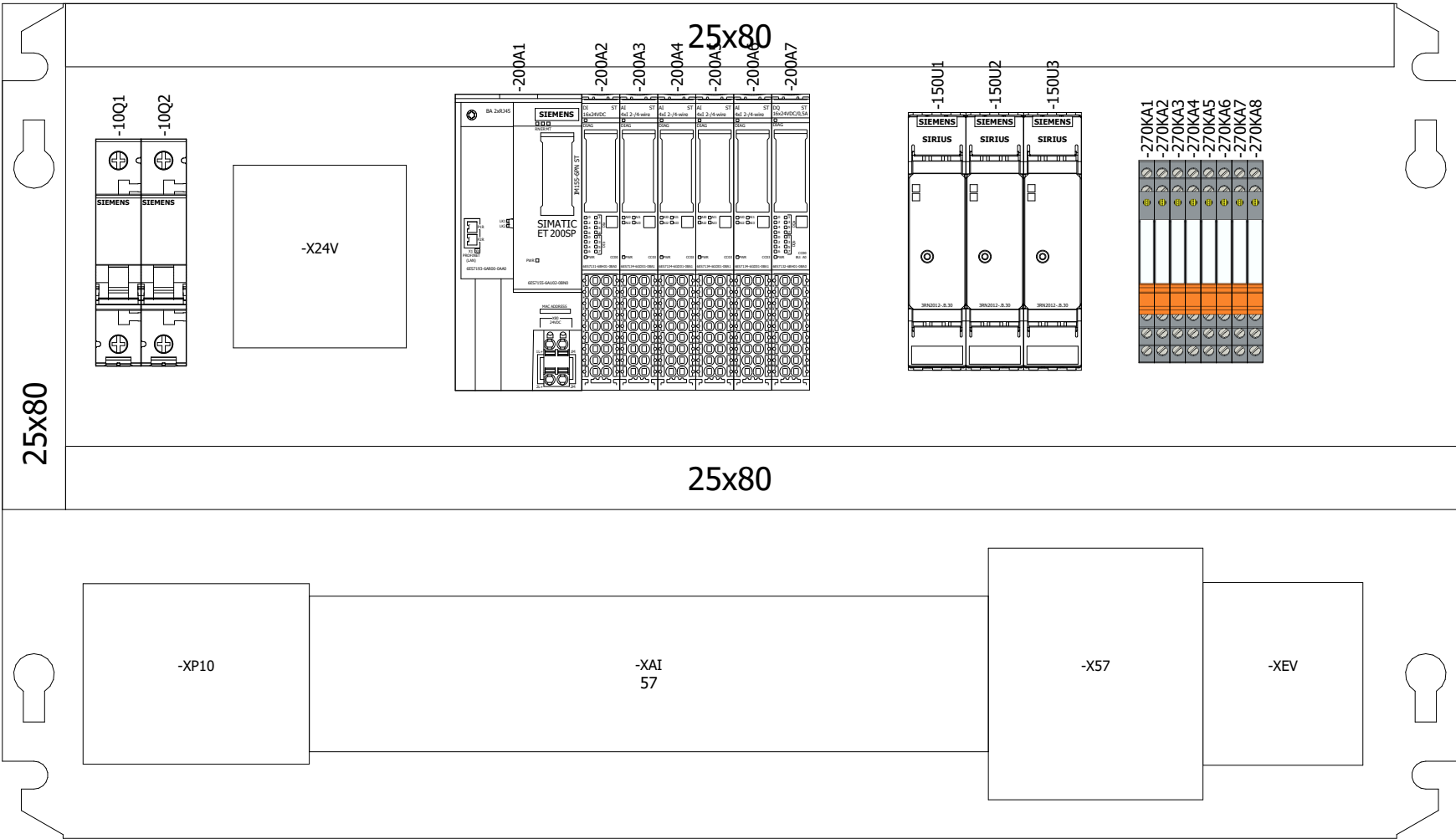
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P10

FRONT DOOR
STAINLESS STEEL



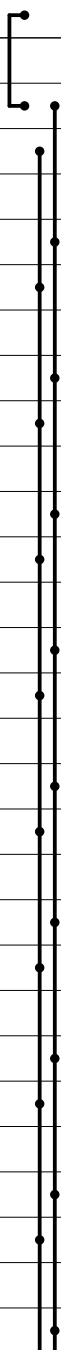
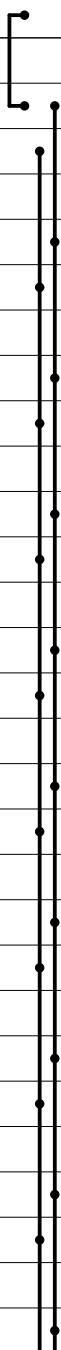
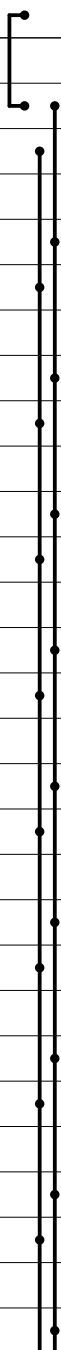
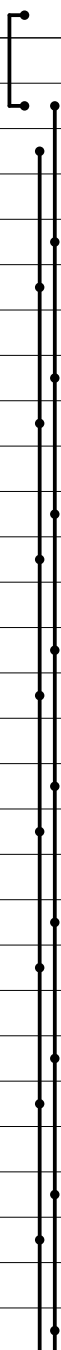
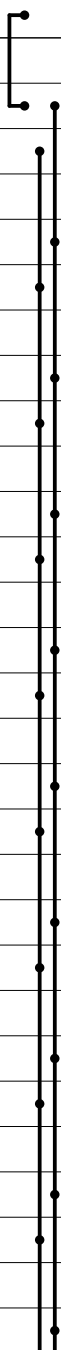
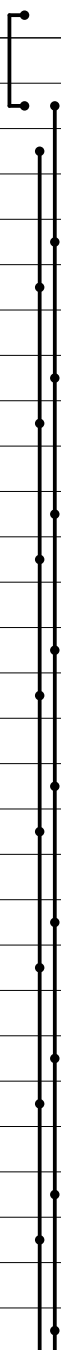
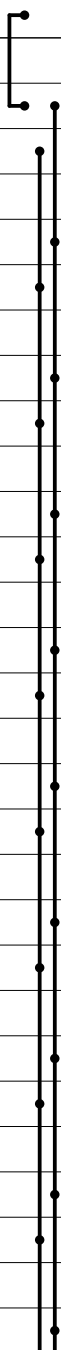
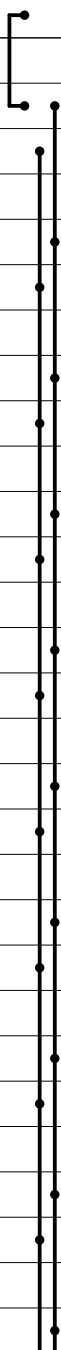
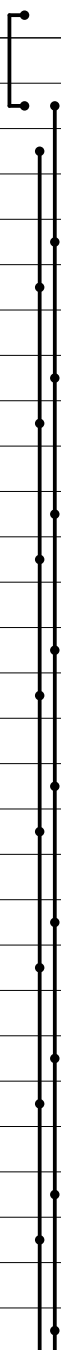
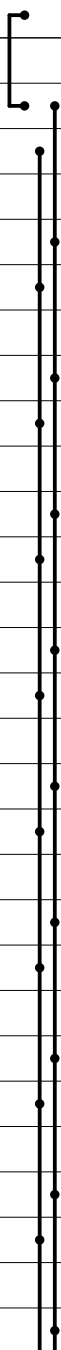
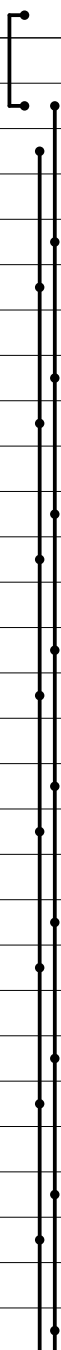
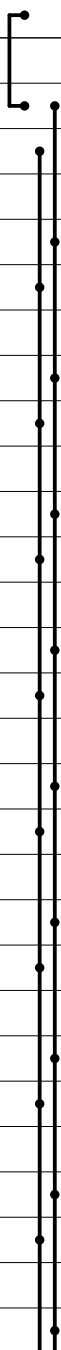
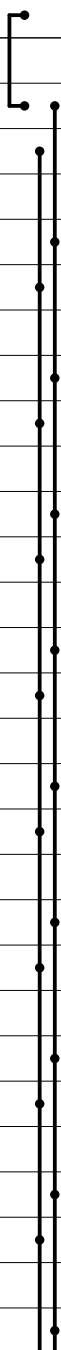
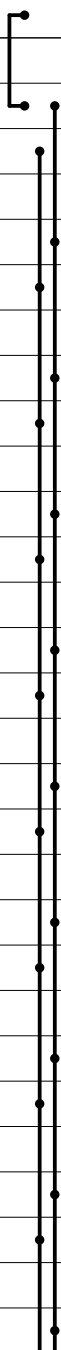
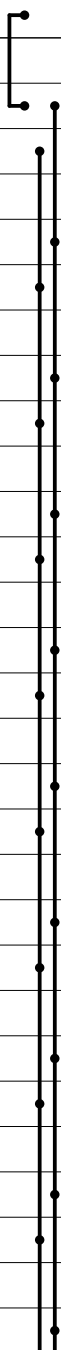
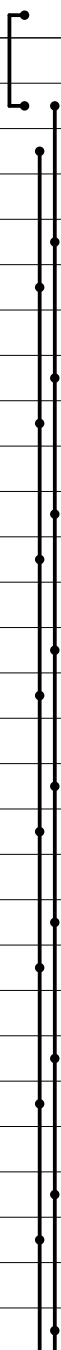
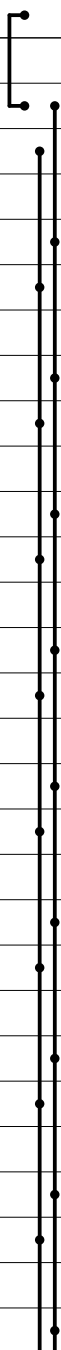
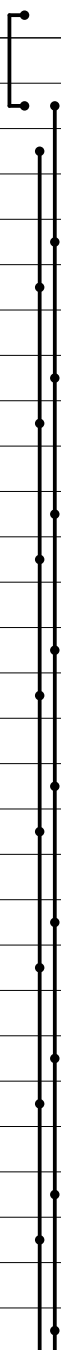
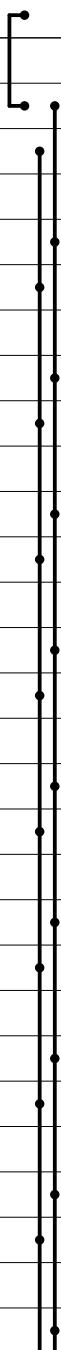
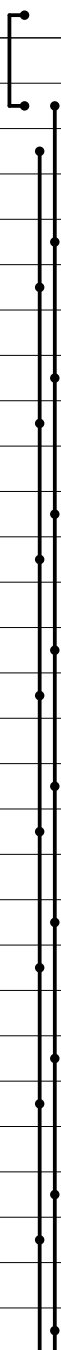
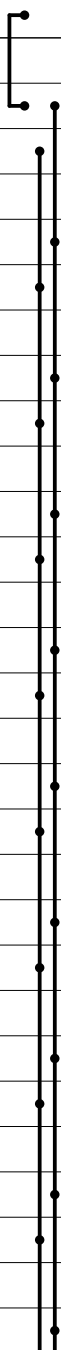
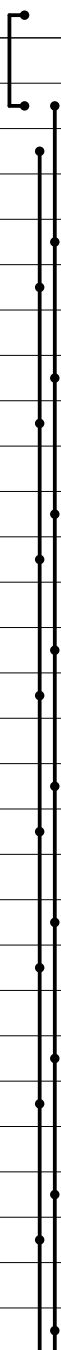
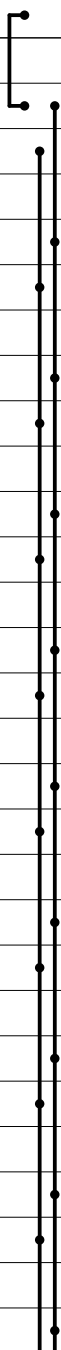
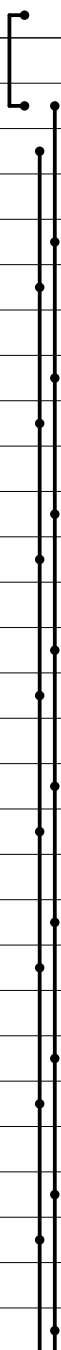
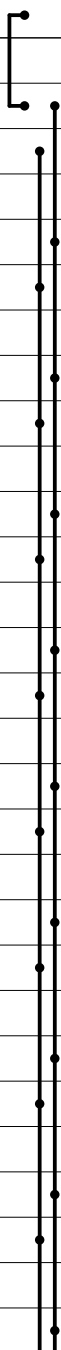
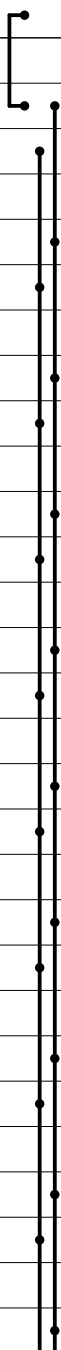
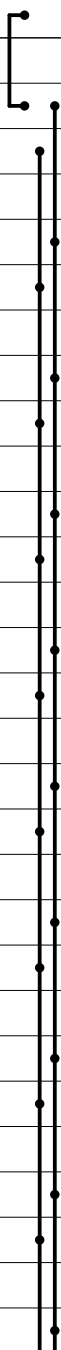
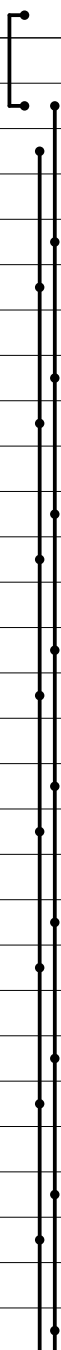
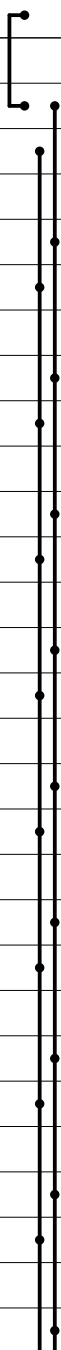
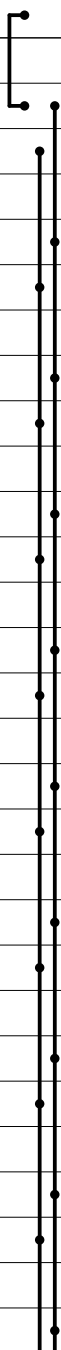
P10





Terminal diagram


										External Designation										Designation Internal					
Function text	Cable name									=+P10-X24V									Cable name	Page / column					
	Cable type									24Vdc common terminal strip									Cable type						
										Component	Filo Wire		Terminal	Jumper	Tipo Type	Component									
										Internal	External	Internal													
DISTRIBUTION 24Vdc P10										-150U1	10.01	10.01	1	●	2,5	-10Q1			&SCH/15.1						
										-XP10				●											
										-200A1				●											
DISTRIBUTION 24Vdc P10										-200A3	10.01	10.01	1	●	2,5	-200A2			&SCH/15.1						
										-200A6				●											
										-X57				●											
DISTRIBUTION 24Vdc P10										-XAI	10.01	10.01	1	●	2,5	-150U1			&SCH/15.1						
										-XAI				●											
										-XAI				●											
DISTRIBUTION 24Vdc P10										-XAI	10.01	10.01	1	●	2,5	-XAI			&SCH/15.2						
										-XAI				●											
										-XAI				●											
DISTRIBUTION 24Vdc P10										-XAI	10.01	10.01	1	●	2,5	-XAI			&SCH/15.2						
=										-200A2	10.02	10.02	2	●	2,5	-10Q2			&SCH/15.4						
										-270KA1				●											
DISTRIBUTION 24Vdc P10													2	●	2,5				&SCH/15.4						
=										-XP10	0V	0V	3	●	2,5	-XP10			&SCH/15.7						
										-150U1				●											
										-200A1				●											
DISTRIBUTION 24Vdc P10										-200A3	0V	0V	3	●	2,5	-200A2			&SCH/15.7						
										-200A6				●											
										-X57				●											
DISTRIBUTION 24Vdc P10										-XEV	0V	0V	3	●	2,5	-270KA1			&SCH/15.7						
										-271H1				●											
										-200A3				●											
DISTRIBUTION 24Vdc P10										-200A4	0V	0V	3	●	2,5	-XAI			&SCH/15.8						
										-XAI				●											
										-XAI				●											
DISTRIBUTION 24Vdc P10										-200A5	0V	0V	3	●	2,5	-XAI			&SCH/15.8						
										-XAI				●											

Terminal diagram

			External Designation												Designation Internal					
Function text	Cable name			-W241B2	-W240B5	-W240B4	-W240B3	-W240B2	-W240B1	=+P10-X57									Cable name	Page / column
	Cable type			3x	3x	3x	3x	3x	3x	Digital signal terminal strip									Cable type	
										Component	Filo Wire External Internal	Terminal	Jumper	Tipø Type	Component					
											10.01	0		4	-X24V				&SCH/240.0	
GATE 1 SUCTION OPEN									BK	-240B1	240.01 240.01	1		4 mm²	-200A2				&SCH/240.1	
=									BN	-240B1	10.01	1a						&SCH/240.1		
=											0V	1b			-X24V				&SCH/240.1	
OIL INLET GATE 1 OPEN									BK	-240B2	240.02 240.02	2		4 mm²	-200A2				&SCH/240.2	
=									BN	-240B2	10.01	2a						&SCH/240.2		
=												2b						&SCH/240.2		
GATE 2 SUCTION OPEN									BK	-240B3	240.03 240.03	3		4 mm²	-200A2				&SCH/240.3	
=									BN	-240B3	10.01	3a						&SCH/240.3		
=												3b						&SCH/240.3		
OIL INLET GATE 2 OPEN									BK	-240B4	240.04 240.04	4		4 mm²	-200A2				&SCH/240.4	
=									BN	-240B4	10.01	4a						&SCH/240.4		
=												4b						&SCH/240.4		
OIL TANK MINIMUM LEVEL									BK	-240B5	240.05 240.05	5		4 mm²	-200A2				&SCH/240.5	
=									BN	-240B5	10.01	5a						&SCH/240.5		
=												5b						&SCH/240.5		
SPARE											240.06	6		4 mm²	-200A2				&SCH/240.6	
=												6a						&SCH/240.6		
=												6b						&SCH/240.6		
=											240.07	7		4 mm²	-200A2				&SCH/240.7	
=												7a						&SCH/240.7		
=												7b						&SCH/240.7		
=											240.08	8		4 mm²	-200A2				&SCH/240.8	
=												8a						&SCH/240.8		
=												8b						&SCH/240.8		
=											241.01	9		4 mm²	-200A2				&SCH/241.1	
=												9a						&SCH/241.1		
=												9b						&SCH/241.1		
GATE 3 SUCTION OPEN									BK	-241B2	241.02 241.02	10		4 mm²	-200A2				&SCH/241.2	
=									BN	-241B2	10.01	10a						&SCH/241.2		

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P10-XAI	+ P10 60-04-87A		402.a
UTE							
08/08/2025	08/08/2025						402.l
1	=> 1				r43.51	00-2400000	402

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P10-XAI	+ P10 60-04-87A		402.b
UTE							402.
08/08/2025	08/08/2025						402.
1	=> 1				r43.51	00-2400000	402.

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P10-XP10	+ P10 60-04-87A		403
UTE							
08/08/2025	08/08/2025						40
1	=> 1				r43.51	00-2400000	40

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-10Q2	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-XP10	5	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP10	2	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-X24V	13	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-150U1	1	SIRIUS Thermistor motor protection relay	3RN2012-1BA30	Siemens	SIE.3RN2012-1BA30
-150U2	1	SIRIUS Thermistor motor protection relay	3RN2012-1BA30	Siemens	SIE.3RN2012-1BA30
-150U3	1	SIRIUS Thermistor motor protection relay	3RN2012-1BA30	Siemens	SIE.3RN2012-1BA30
-XT	6	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-180S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-180S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-180S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-180S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-XP10	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A2	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A3	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A4	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A5	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A6	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A7	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A7	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-X57	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X57	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X57	12	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
-XAI	30	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	9	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XAI	9	Fuse 5x20	0101001	Italweber	IW.0101001
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XEV	2	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XEV	8	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-271H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-271H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-271H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-390M1	1	AX compact box	AX.1038000	Rittal	RIT.1038000
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
-391S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	1	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3

AL INVEST

Designation system	CONTINUOUS CASTER	Job	: 00-2400000
Mounting location:	P11 PUSHBUTTON SPRAY	Drawing	: 60-04-88A

Power supply	400Vac 50Hz
Input lead	3ph + PE
Auxiliary voltage	230Vac - 24Vdc
Year of manufacture	2025

5		
4		
3		
2		
1	08/08/2025	SECOND ISSUED
0	13/06/2025	FIRST ISSUED
Rev.	Date	Description

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WIRES COLOR TABLE









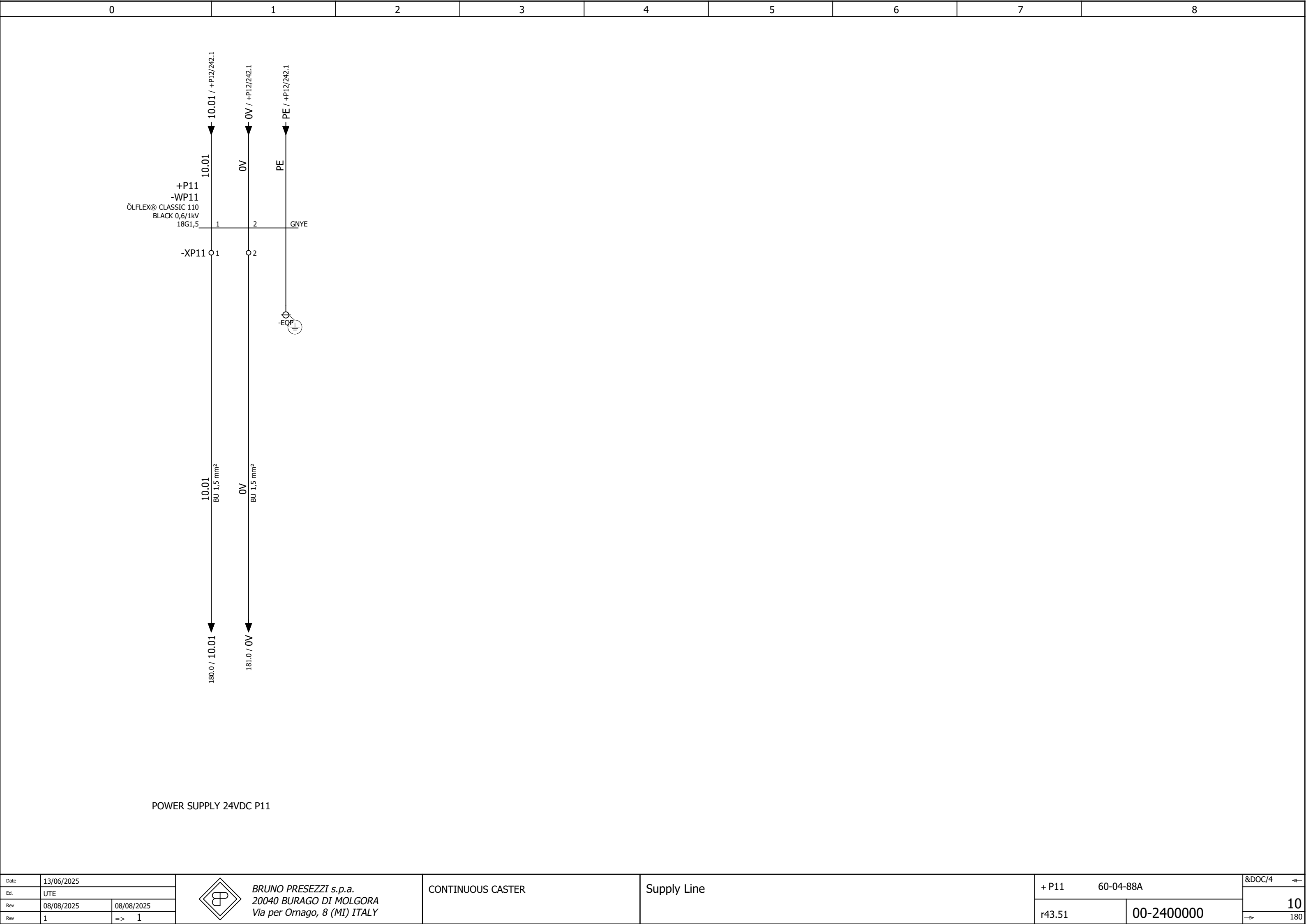
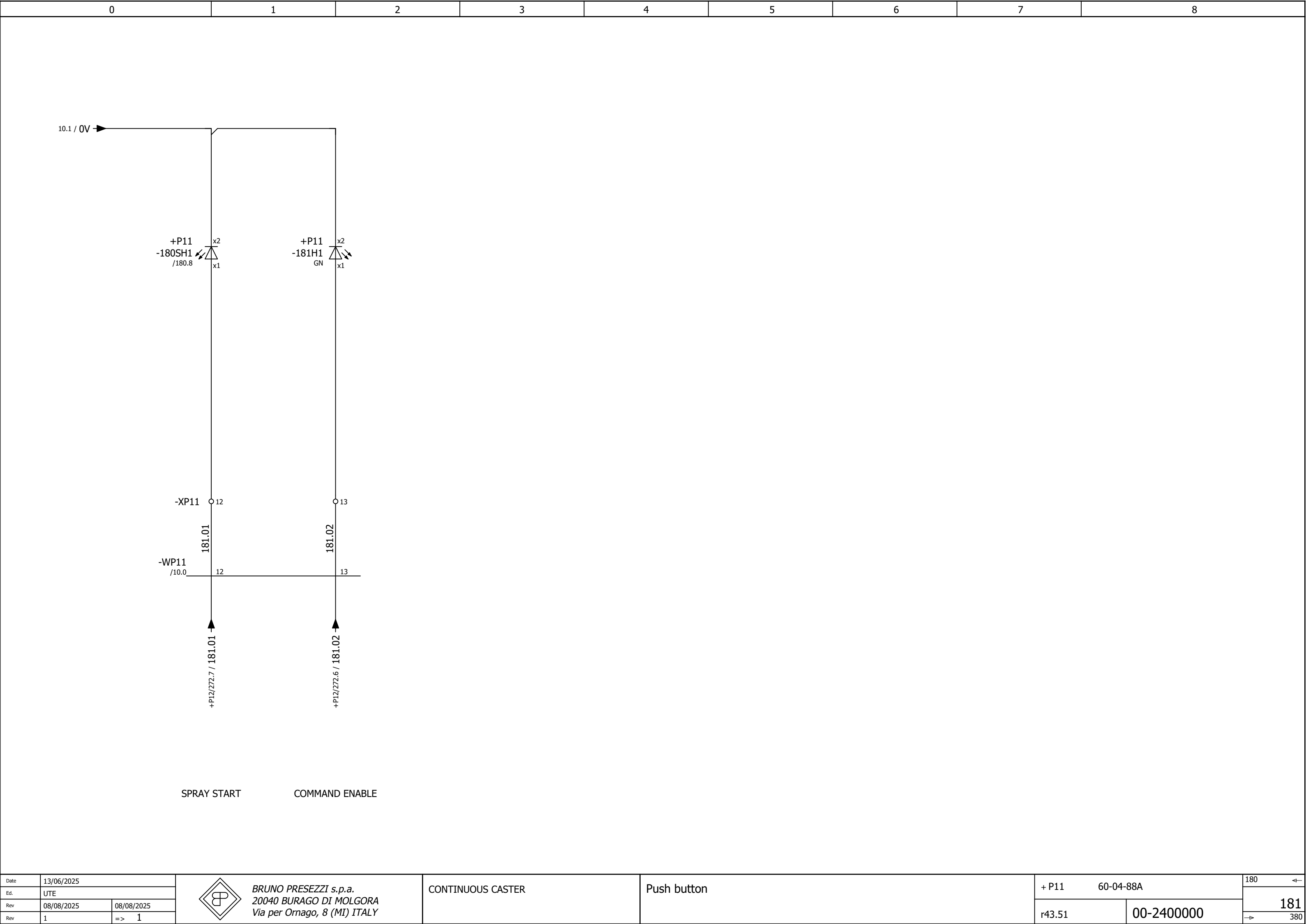
 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

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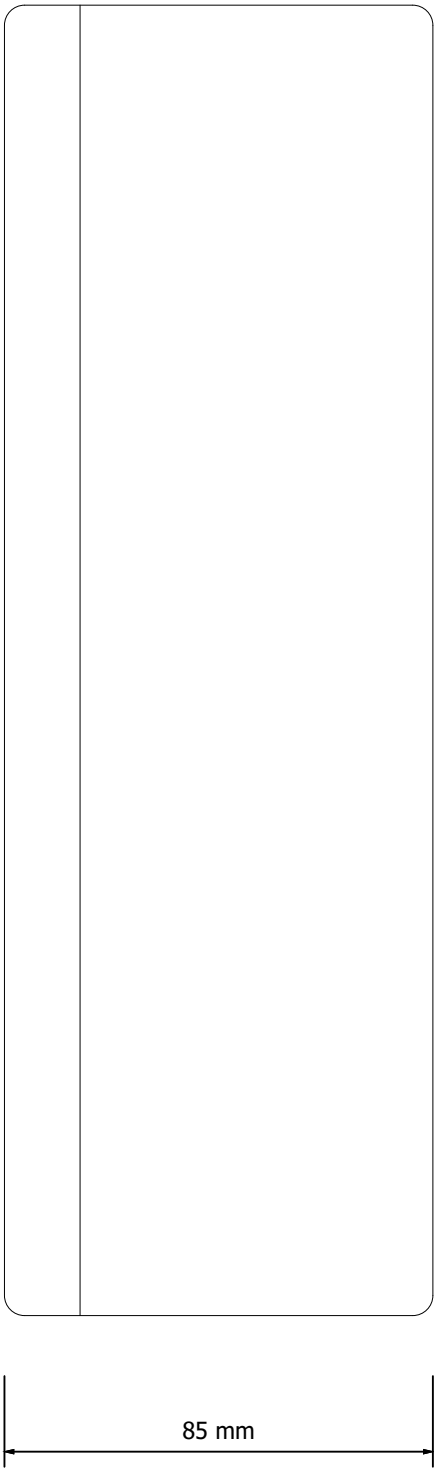
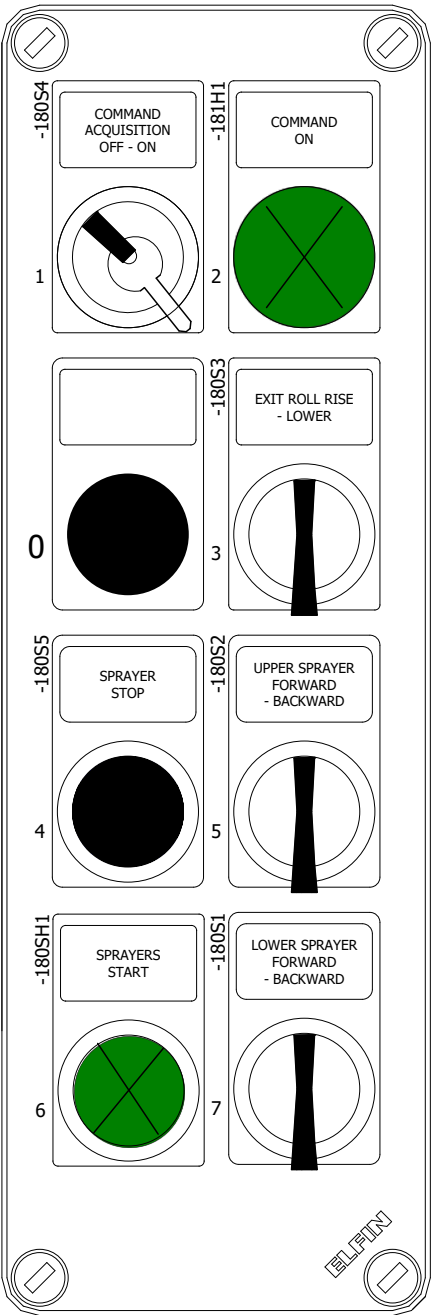
Assignment	Page	Page description	Revision	Edited by
+P11		PUSHBUTTON SPRAY		
	1	COVER	1	UTE
	2	WIRES COLOR TABLE	1	UTE
	4	Table of contents	1	UTE
	10	Supply Line	1	UTE
	180	Push button	1	UTE
	181	Push button	1	UTE
	380	Terminal strip	1	UTE
	390	External layout	1	UTE
	400	Terminal diagram =+P11-XP11	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE





0	1	2	3	4	5	6	7	8	
<div>TERMINAL STRIP AND COTORS</div> <div>-XP11 = Control board P11 terminal strip</div>									
Date	13/06/2025		<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Terminal strip	+ P1160-04-88A		181	
Ed.	UTE								
Rev	08/08/2025	08/08/2025						380	
Rev	1	=> 1				r43.51	00-2400000	390	

P11




Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-XP11	13	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-180S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-180S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-180S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-180S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-180S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-180S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-180S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-180S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-180S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-180S4	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
-180S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S4	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-180S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-180S5	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-180S5	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S5	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-180S5	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-180SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-180SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-180SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-180SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-181H1	1	Lamp	ZB4BV033	Schneider Electric	SE.ZB4BV033

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-181H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-181H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-181H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-390M1	1	Alluminium box	040C0826-8EP8	Elfin	EF.040C0826-8EP8
-391S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	1	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3

Date	13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	COVER	+ P12 60-04-89A		+P11&DIST/500.
Ed.	UTE							
Rev	08/08/2025	08/08/2025				1		
Rev	1	=> 1				2		
						r43.51	00-2400000	

WIRES COLOR TABLE









 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

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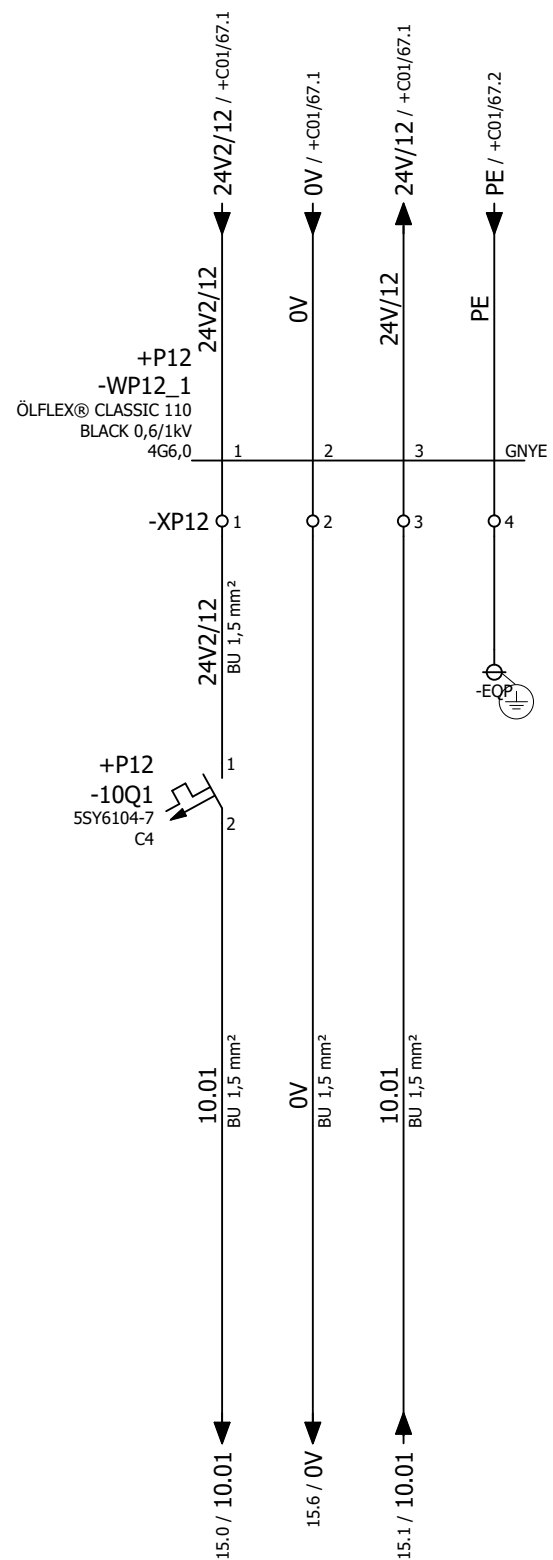
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+P12		CASTER SENSOR		
	1	COVER	1	UTE
	2	WIRES COLOR TABLE	1	UTE
	4	Table of contents	1	UTE
	4.a	Table of contents	1	UTE
	4.b	Table of contents	1	UTE
	10	Supply Line	1	UTE
	15	Distribution 24Vdc	1	UTE
	170	Safety limit switch	1	UTE
	200	PLC	1	UTE
	201	PLC	1	UTE
	210	Digital safety input	1	UTE
	211	Digital safety input	1	UTE
	240	Digital inputs	1	UTE
	241	Digital inputs	1	UTE
	242	Digital inputs	1	UTE
	243	Digital inputs	1	UTE
	244	Digital inputs	1	UTE
	245	Digital inputs	1	UTE
	260	Analog input	1	UTE
	261	Analog input	1	UTE
	262	Analog input	1	UTE
	263	Analog input	1	UTE
	270	Digital outputs	1	UTE
	271	Digital outputs	1	UTE
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	273	Digital outputs	1	UTE
	285	Input TM Count	1	UTE
	286	Input TM Count	1	UTE

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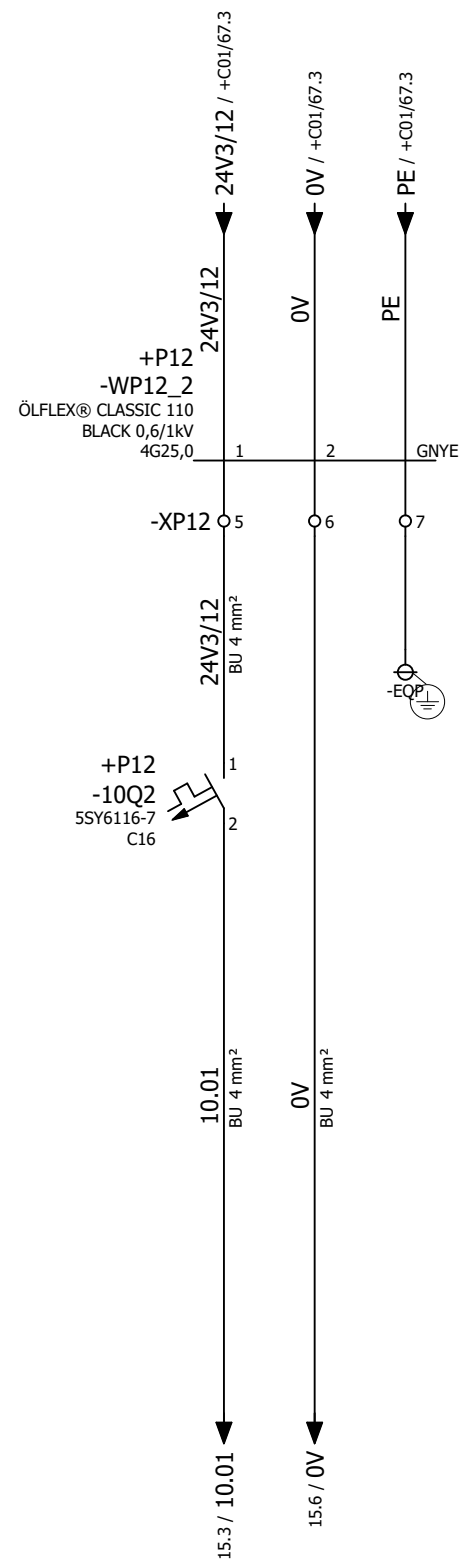
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+P12		CASTER SENSOR		
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	290	Analog output	1	UTE
	380	Terminal strip	1	UTE
	390	External layout	1	UTE
	391	External layout	1	UTE
	393	Internal layout	1	UTE
	394	Layout +JB11	1	UTE
	395	Layout +JB12	1	UTE
	396	Layout +JB15	1	UTE
	397	Layout +JB22	1	UTE
	400	Terminal diagram =+P12-X11	1	UTE
	401	Terminal diagram =+P12-X15	1	UTE
	402	Terminal diagram =+P12-X16	1	UTE
	403	Terminal diagram =+P12-X22	1	UTE
	404	Terminal diagram =+P12-X24V	1	UTE
	404.a	Terminal diagram =+P12-X24V	1	UTE
	405	Terminal diagram =+P12-XAI	1	UTE
	405.a	Terminal diagram =+P12-XAI	1	UTE
	406	Terminal diagram =+P12-XAO	1	UTE
	407	Terminal diagram =+P12-XEV	1	UTE
	407.a	Terminal diagram =+P12-XEV	1	UTE
	407.b	Terminal diagram =+P12-XEV	1	UTE
	407.c	Terminal diagram =+P12-XEV	1	UTE
	408	Terminal diagram =+P12-XFS1	1	UTE
	409	Terminal diagram =+P12-XFS2	1	UTE
	410	Terminal diagram =+P12-XP02	1	UTE
	411	Terminal diagram =+P12-XP11	1	UTE
	412	Terminal diagram =+P12-XP12	1	UTE

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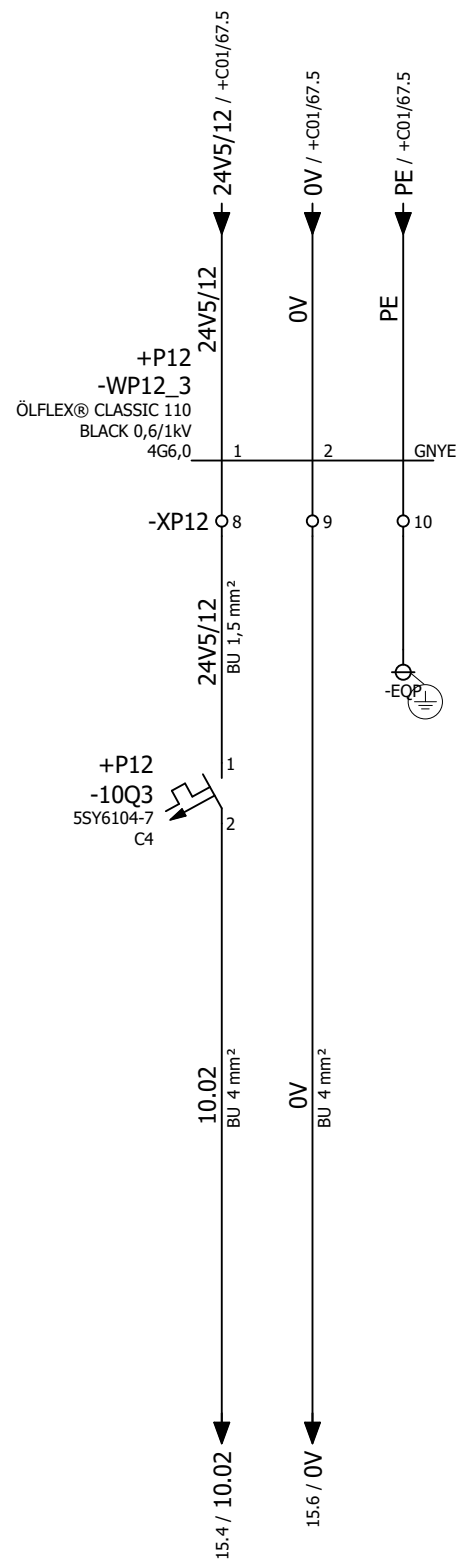
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+P12		CASTER SENSOR		
	413	Terminal diagram =+P12-XP13	1	UTE
	414	Terminal diagram =+P12-XTC	1	UTE
	415	Terminal diagram =+JB11-X11	1	UTE
	416	Terminal diagram =+JB15-X15	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE
	500.c	Parts list	1	UTE



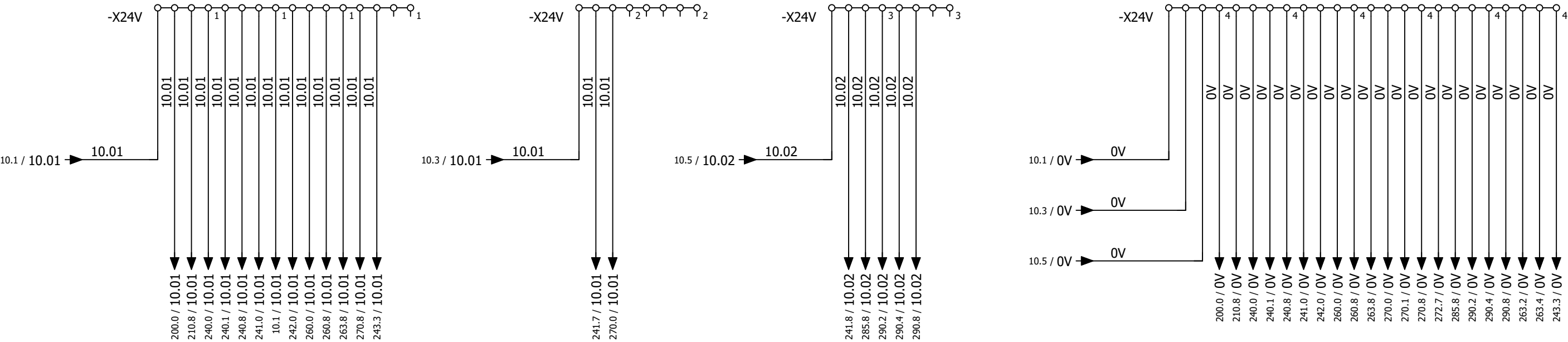
POWER SUPPLY 24VDC PLC
P12



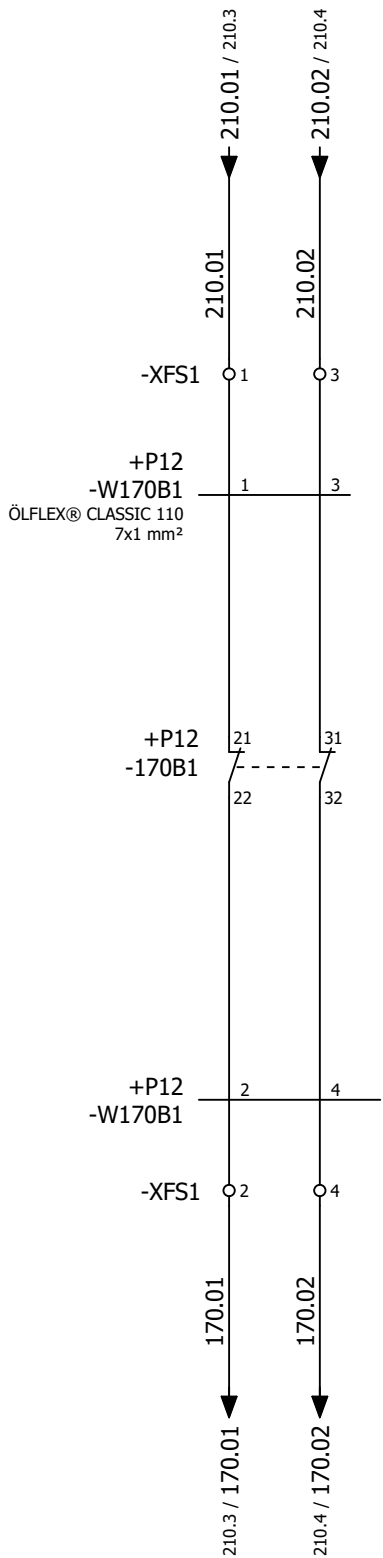
POWER SUPPLY 24VDC
VALVES



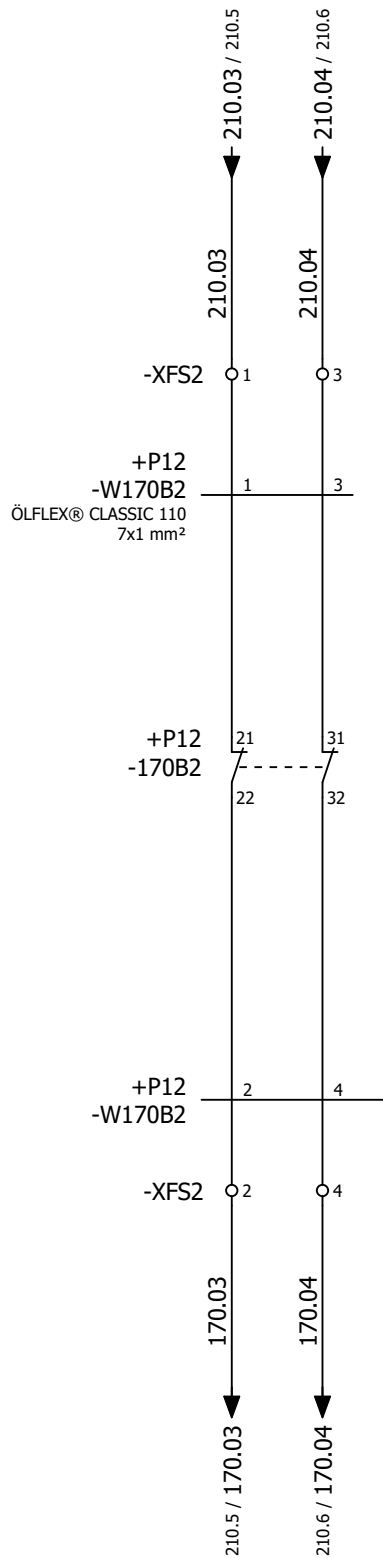
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TRANSDUCERS



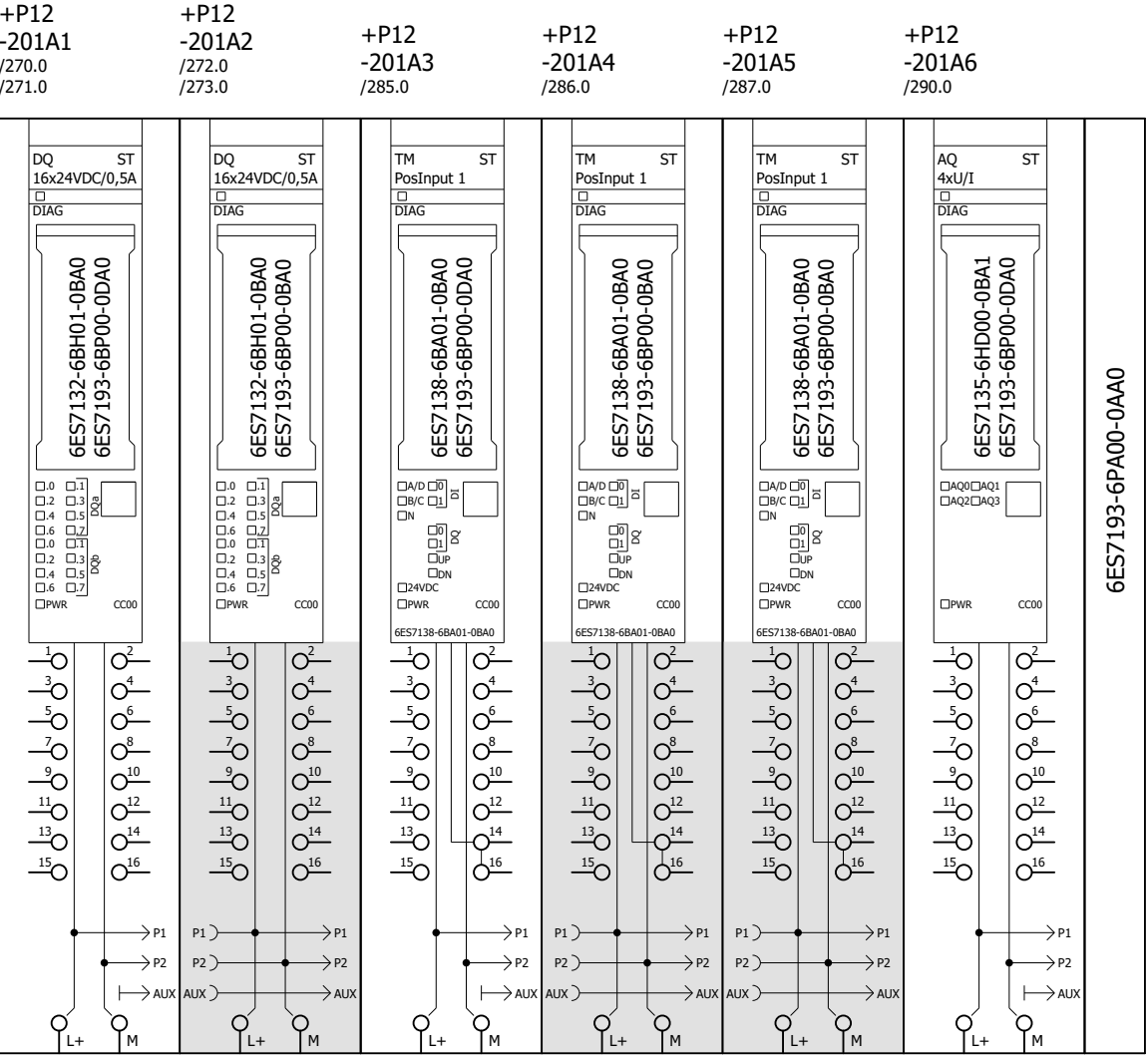
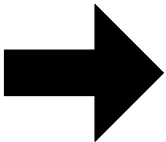
DISTRIBUTION 24Vdc P12

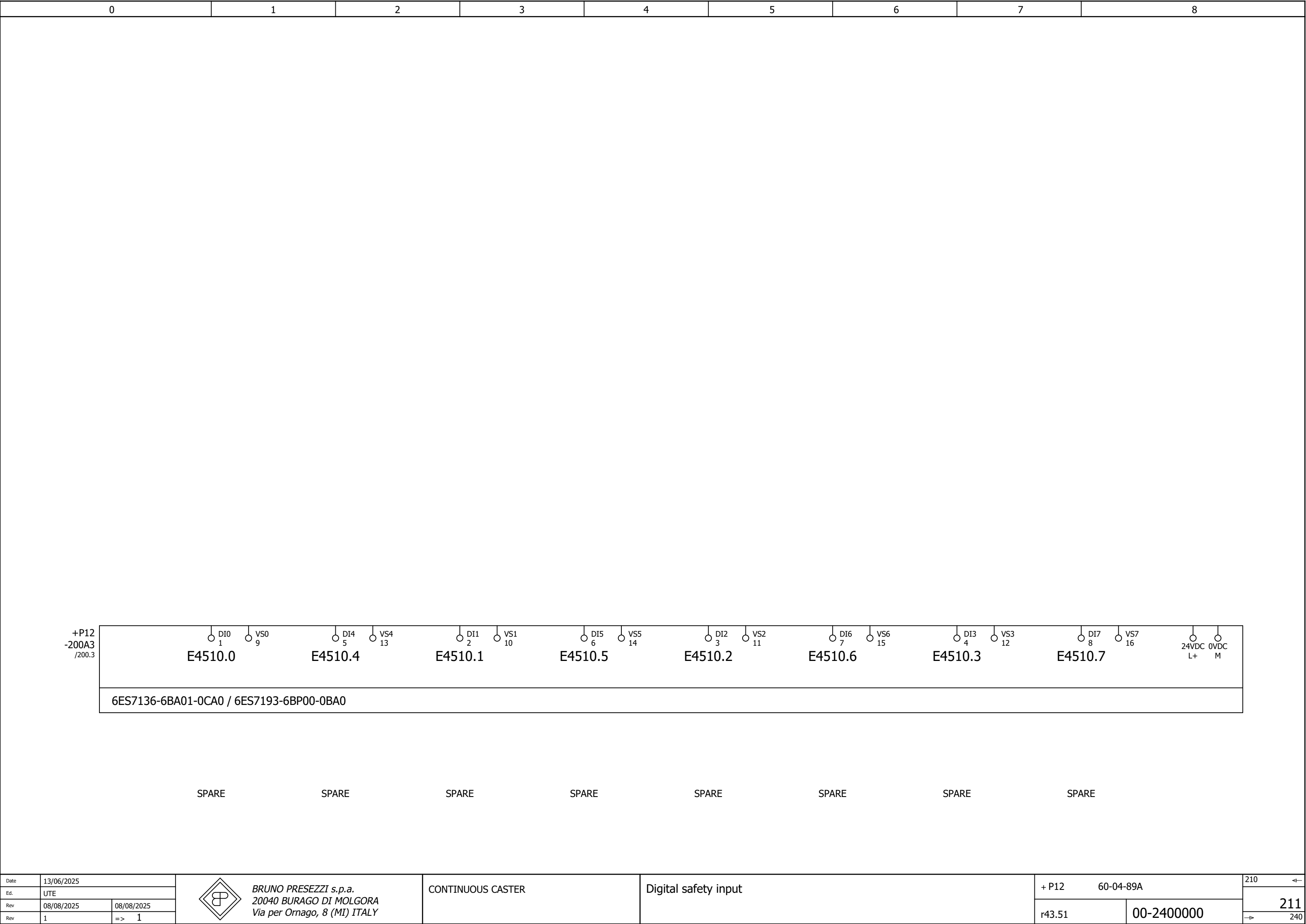


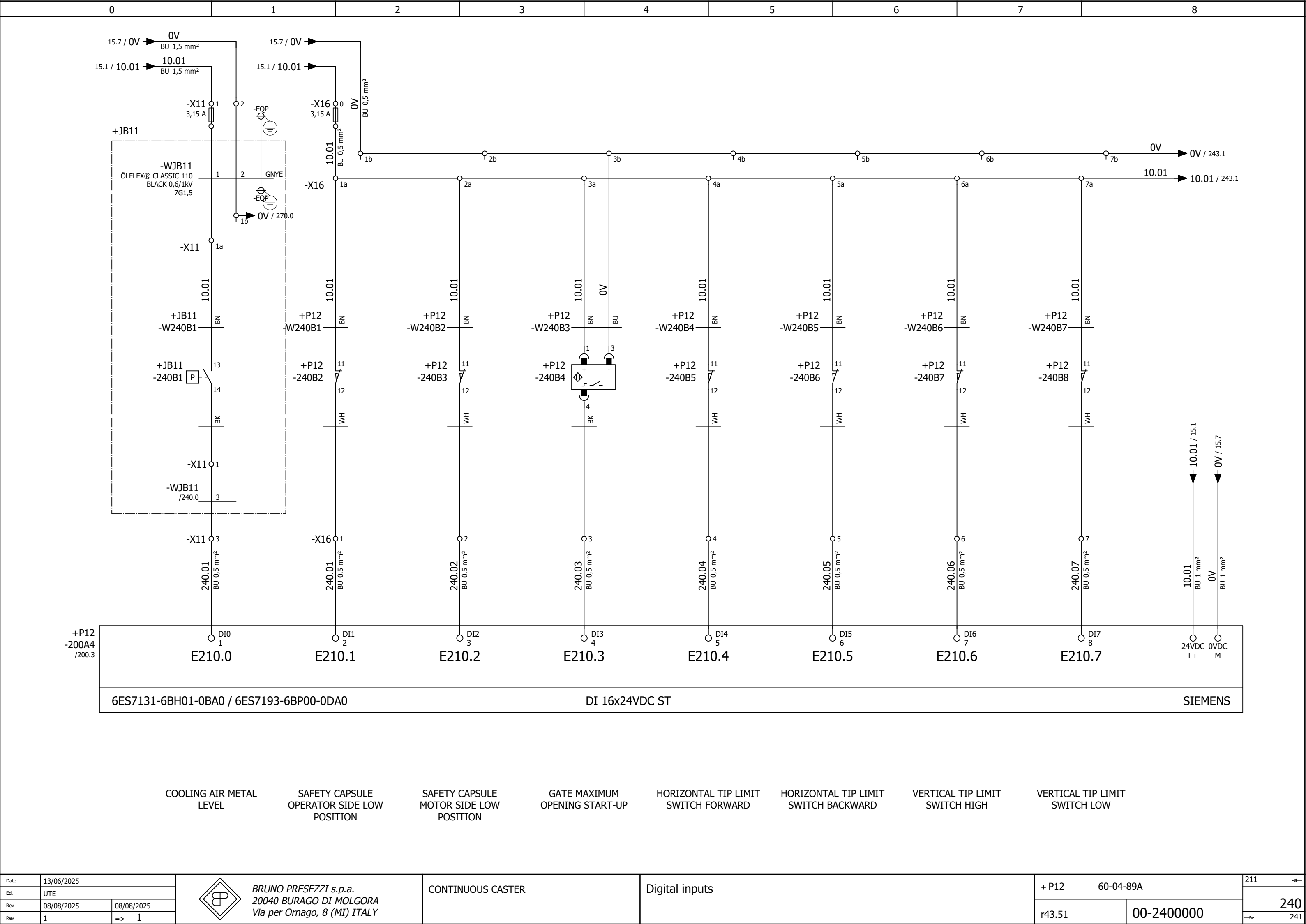
ENTRY ZONE CAGE
SAFETY LIMIT SWITCH

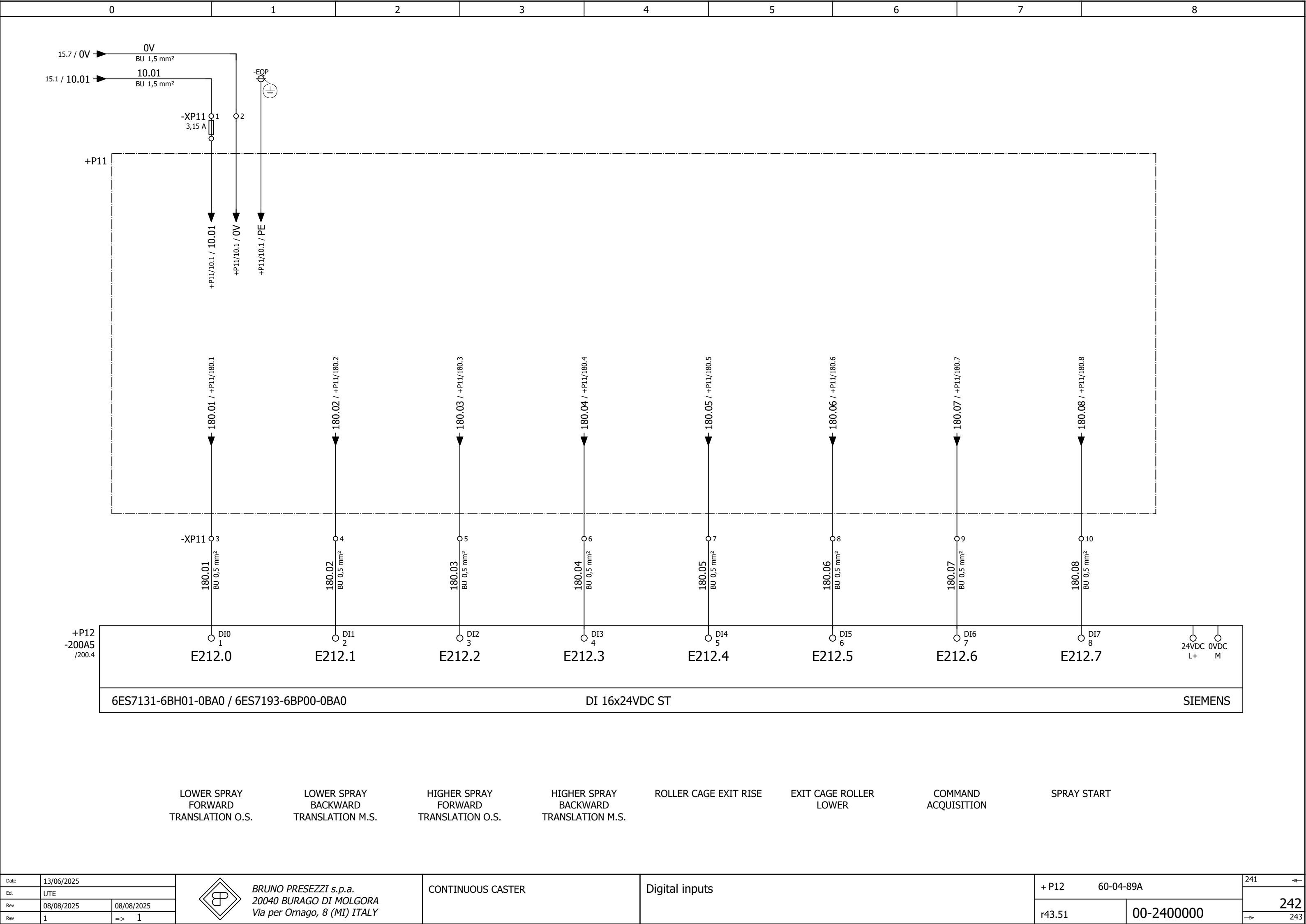


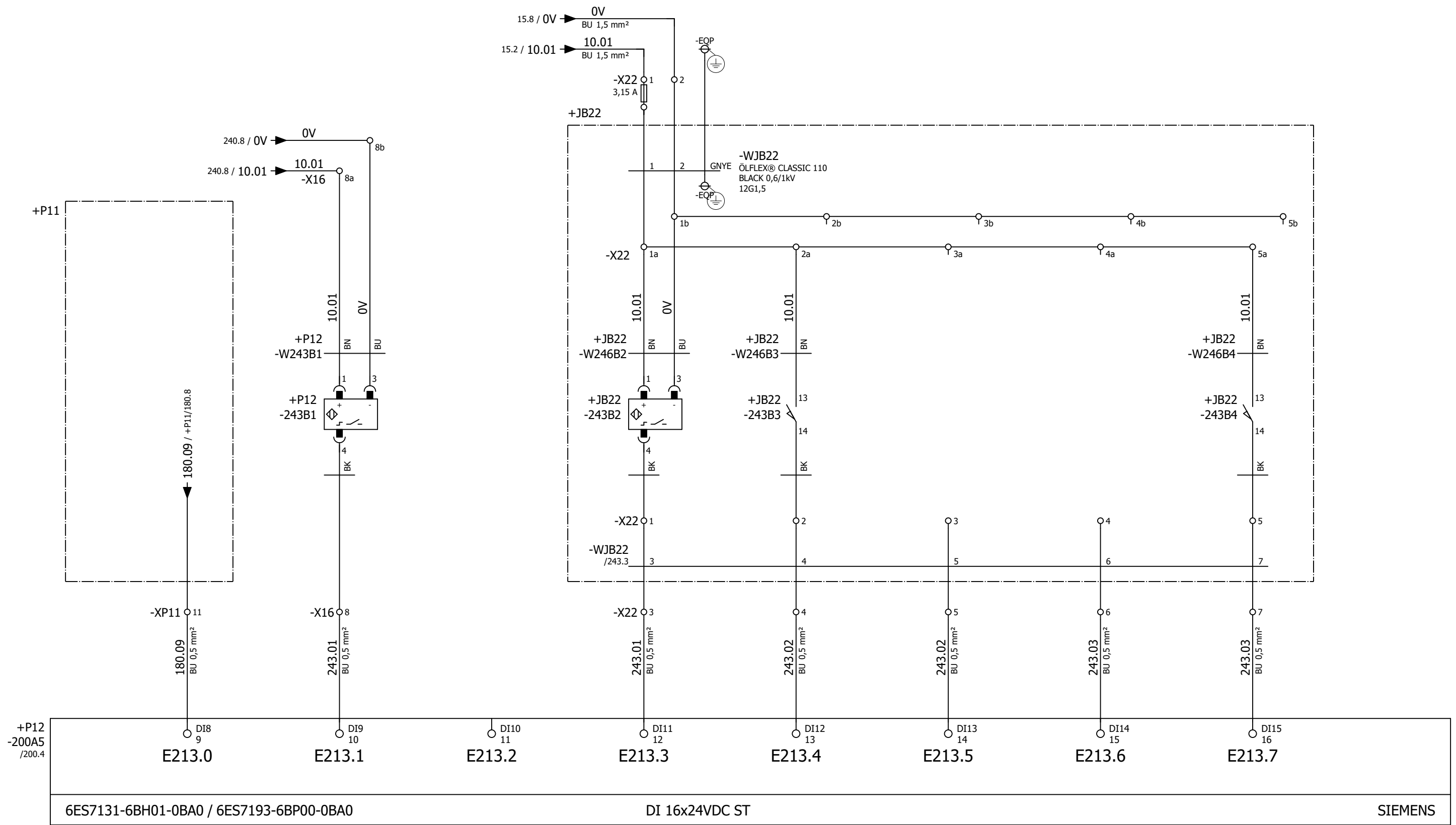
EXIT ZONE CAGE
SAFETY LIMIT SWITCH











SPRAY STOP

TIP BOARD PRESENCE

SPARE

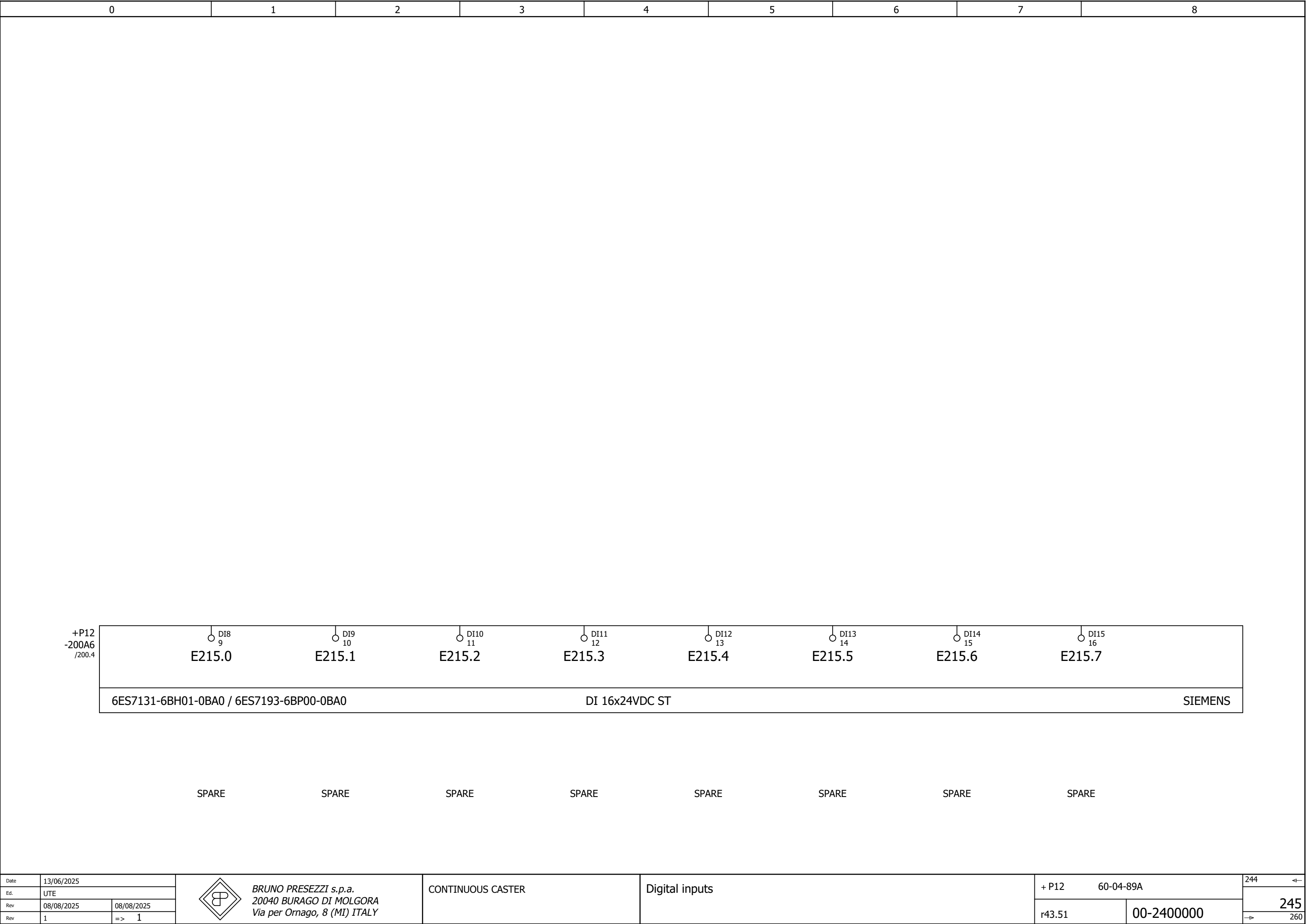
PX. CYLINDER GROUP
PACK POSITION HIGH
OPERATOR SIDE

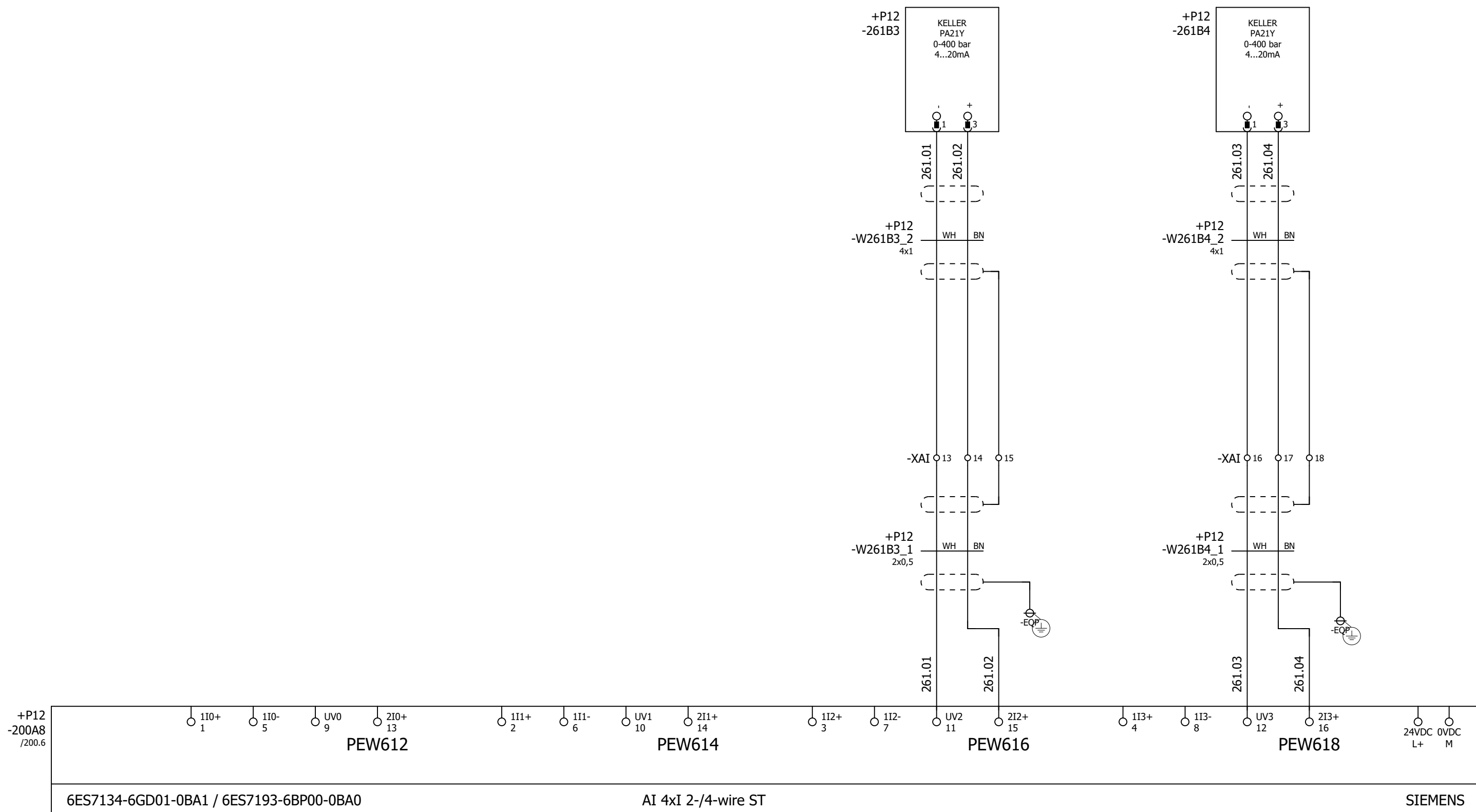
LIMIT SWITCH
CARRIAGE STOP
CYLINDER CHANGE
FORWARD POSITION

SPARE

SPARE

LIMIT SWITCH
CARRIAGE STOP
CYLINDER CHANGE
REVERSE POSITION



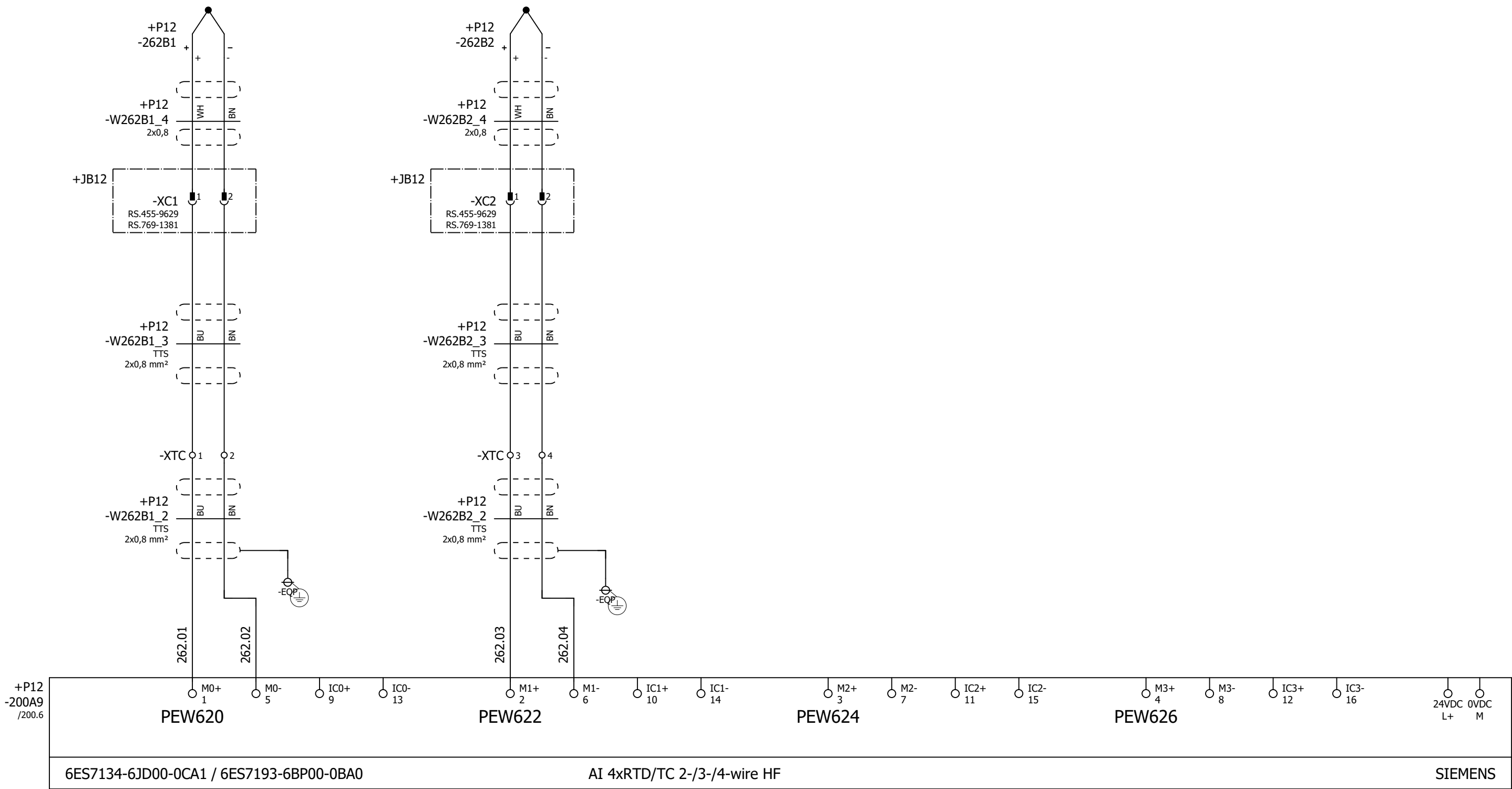


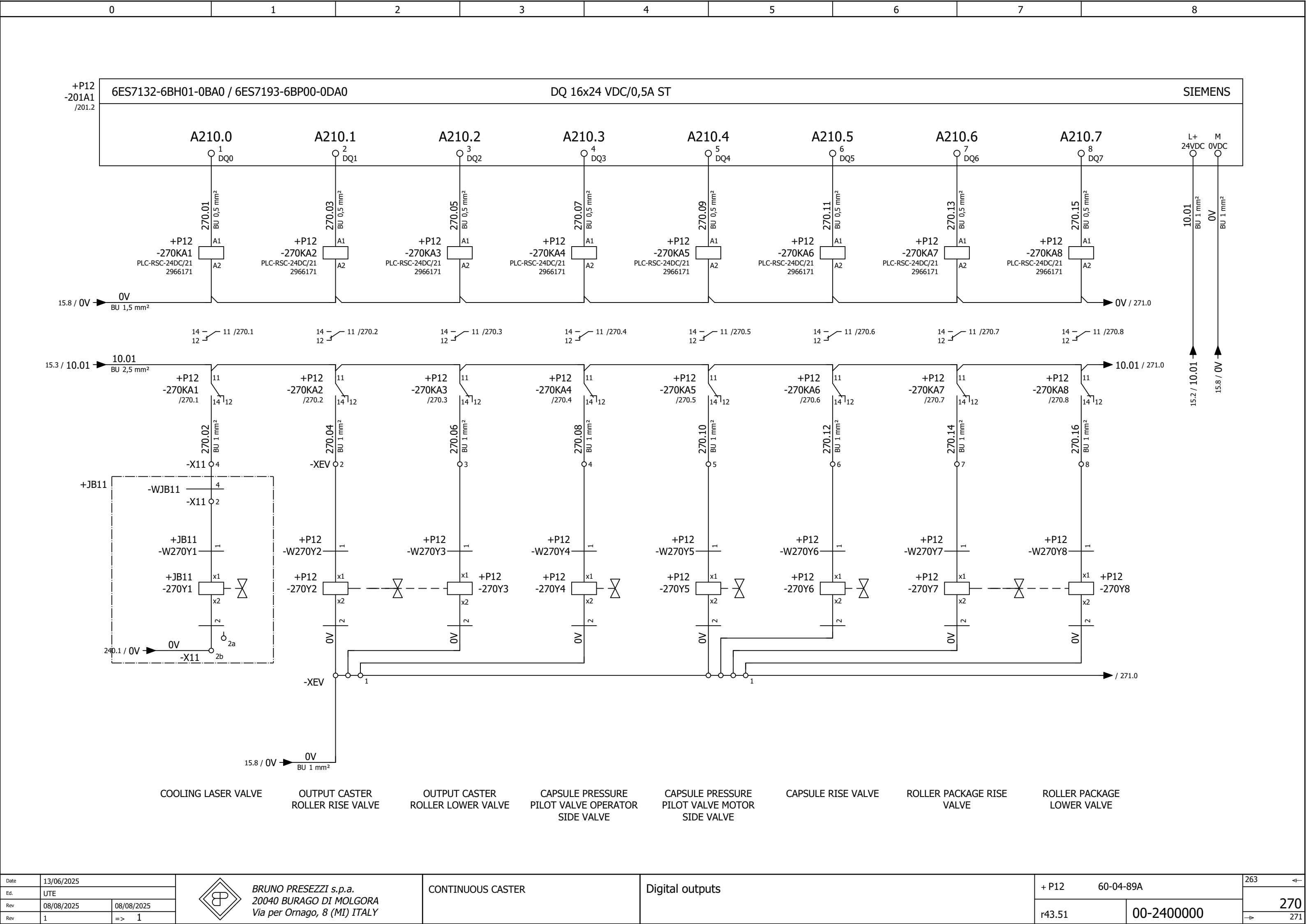
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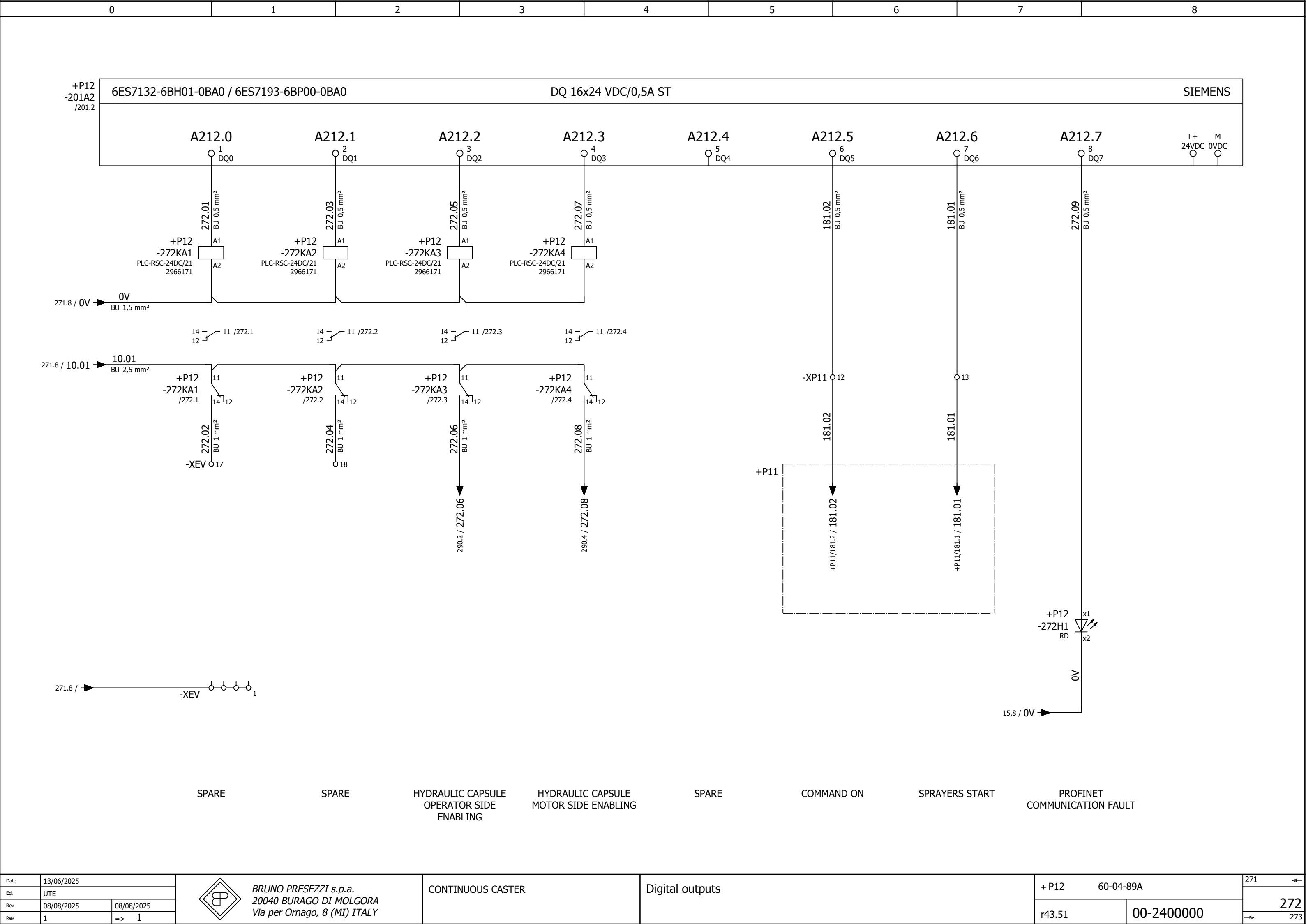
SPARE

UPPER ROLLER
PRESSURE OPERATOR
SIDE

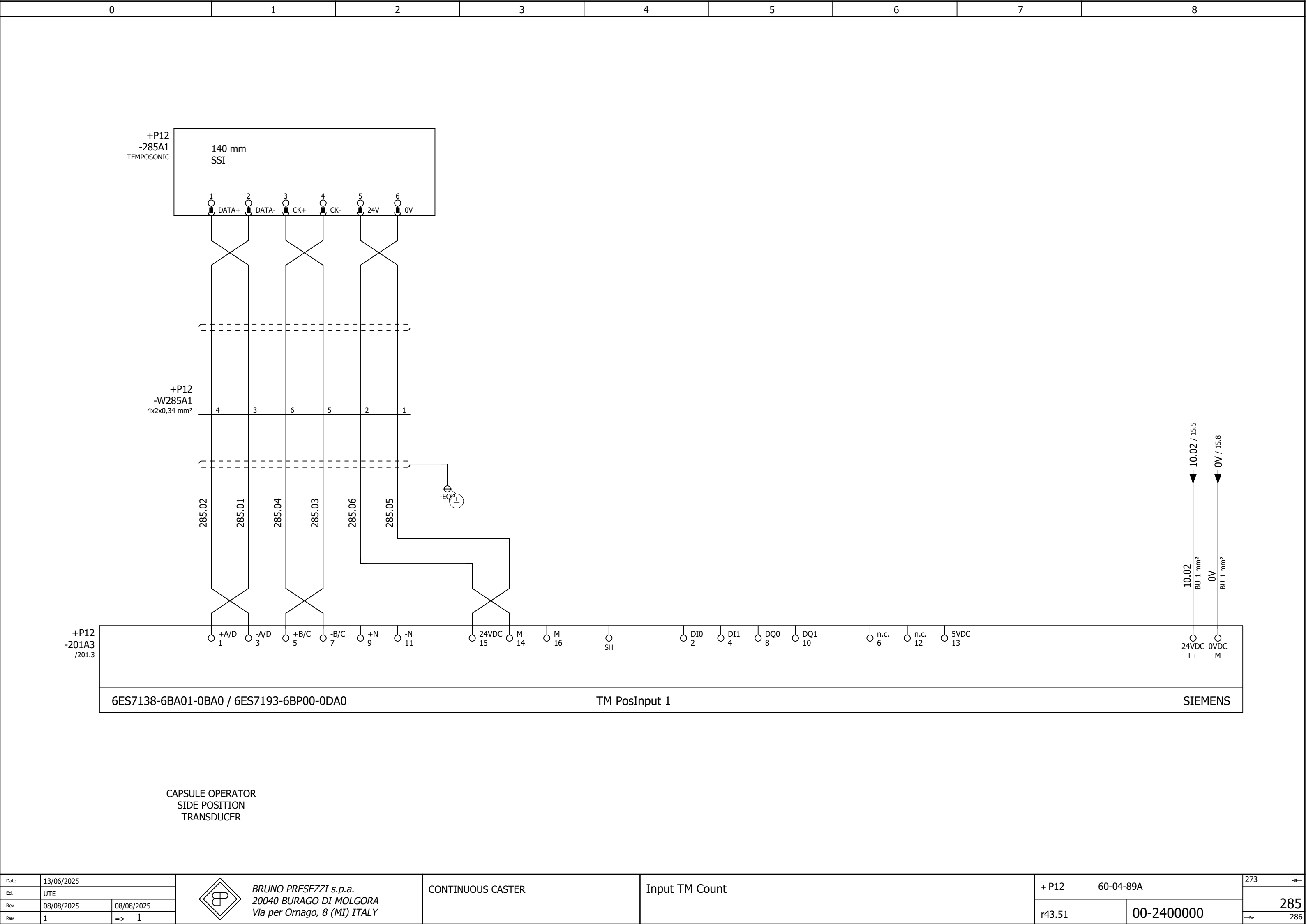
UPPER ROLLER
PRESSURE MOTOR SIDE

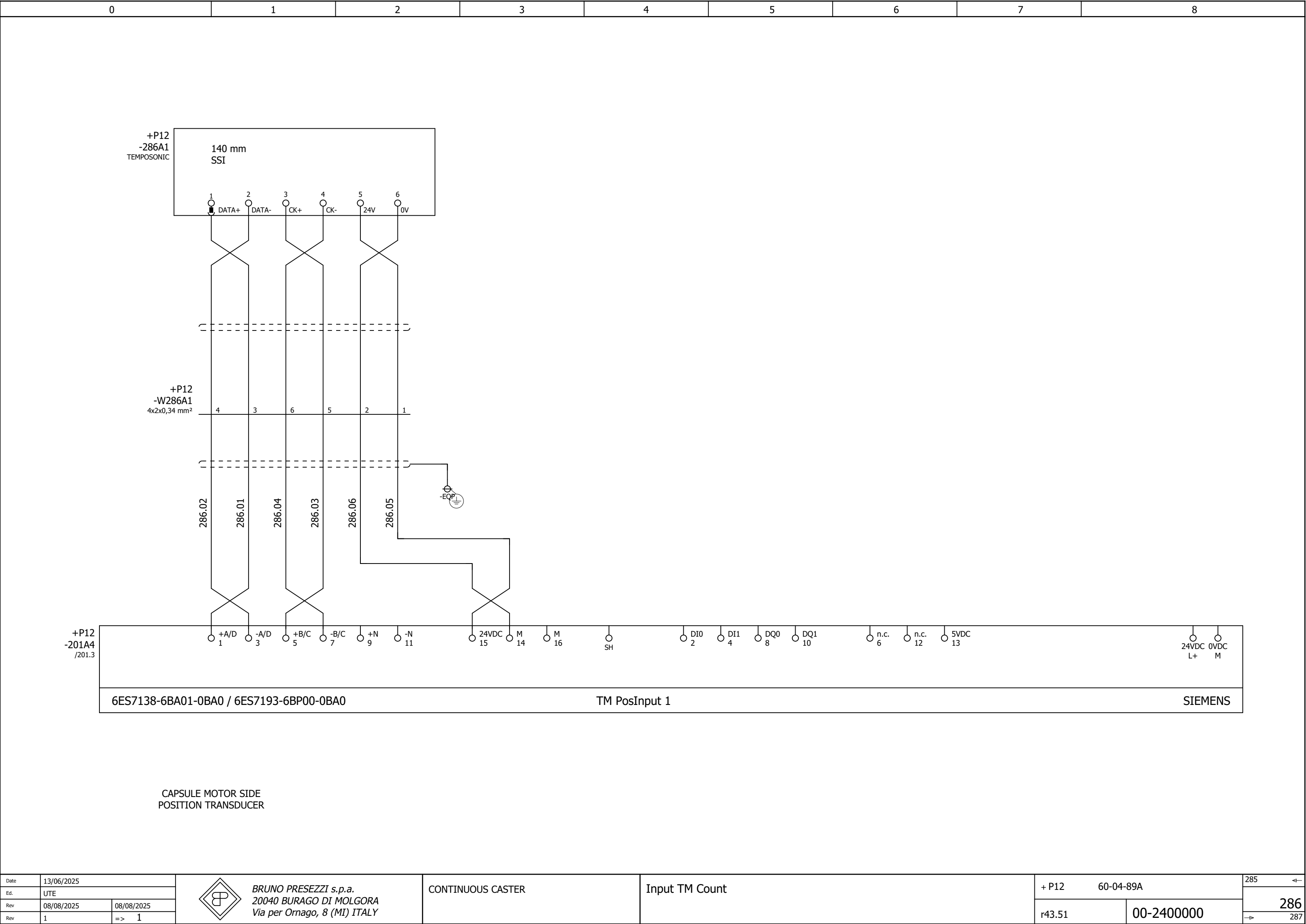


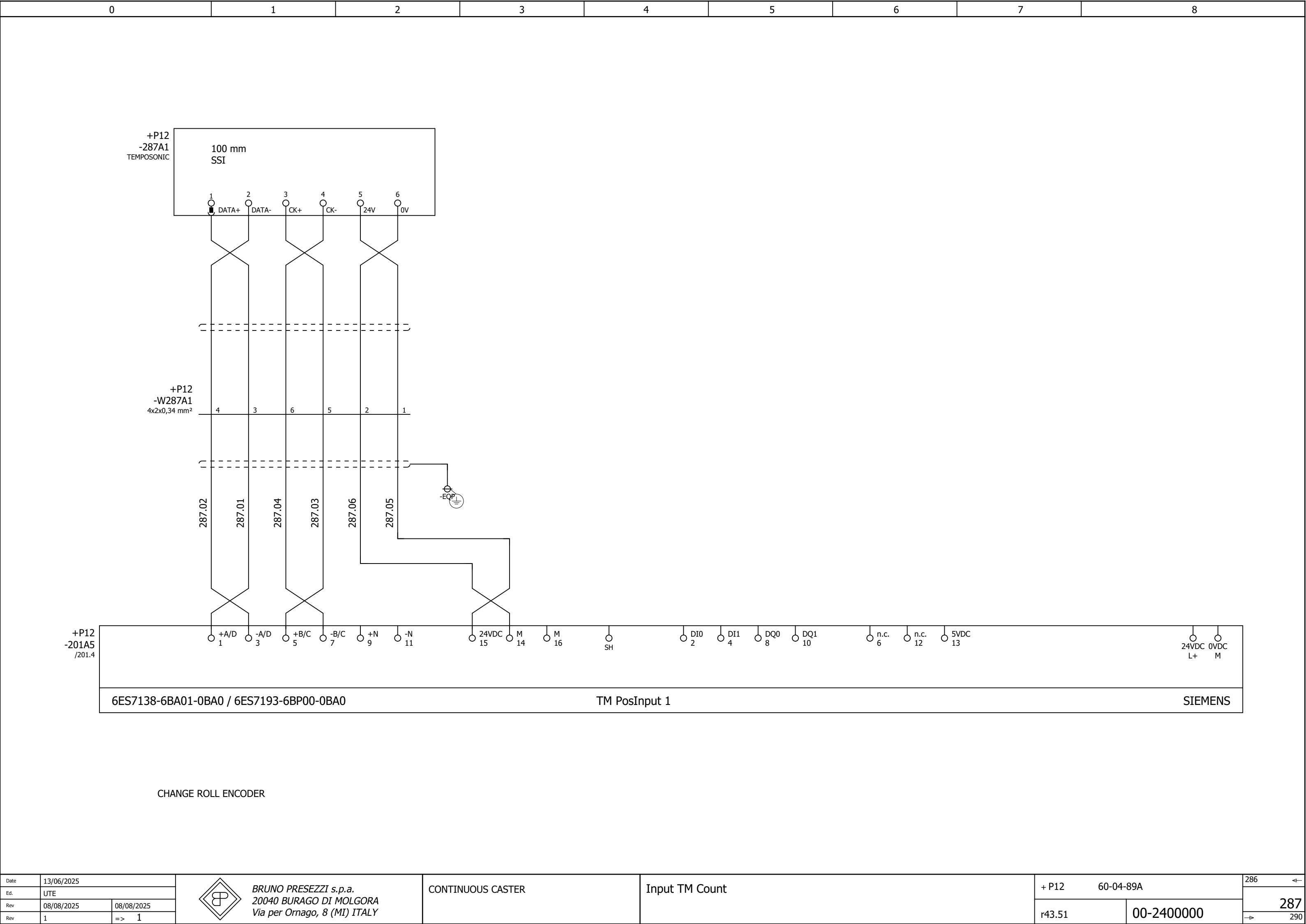




0		1		2		3		4		5		6		7		8																													
+P12 -201A2 /201.2	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0															DQ 16x24 VDC/0,5A ST															SIEMENS														
	A213.0 <div><div></div><div>9</div><div>DQ8</div></div>				A213.1 <div><div></div><div>10</div><div>DQ9</div></div>				A213.2 <div><div></div><div>11</div><div>DQ10</div></div>				A213.3 <div><div></div><div>12</div><div>DQ11</div></div>				A213.4 <div><div></div><div>13</div><div>DQ12</div></div>				A213.5 <div><div></div><div>14</div><div>DQ13</div></div>				A213.6 <div><div></div><div>15</div><div>DQ14</div></div>				A213.7 <div><div></div><div>16</div><div>DQ15</div></div>																
SPARE				SPARE				SPARE				SPARE				SPARE				SPARE				SPARE				SPARE																	
Date		13/06/2025				<div><div><div></div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>				CONTINUOUS CASTER				Digital outputs				+ P12				60-04-89A				272		←																	
Ed.		UTE																								273																			
Rev		08/08/2025		08/08/2025																																									
Rev		1		=> 1																		r43.51				00-2400000				→		285													







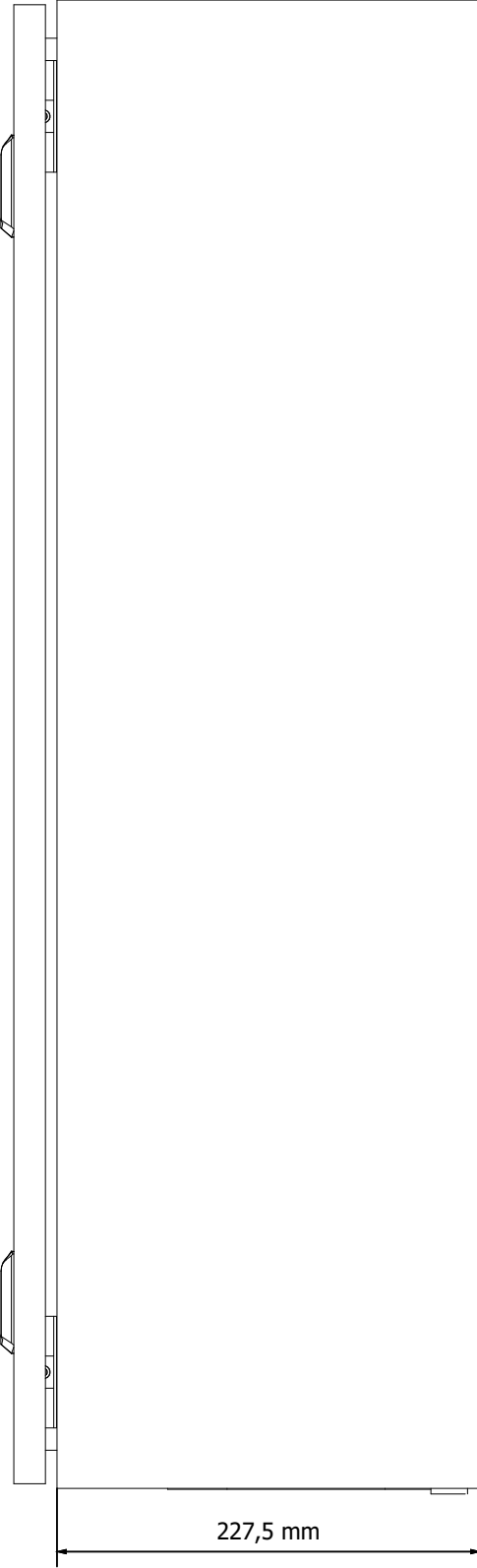
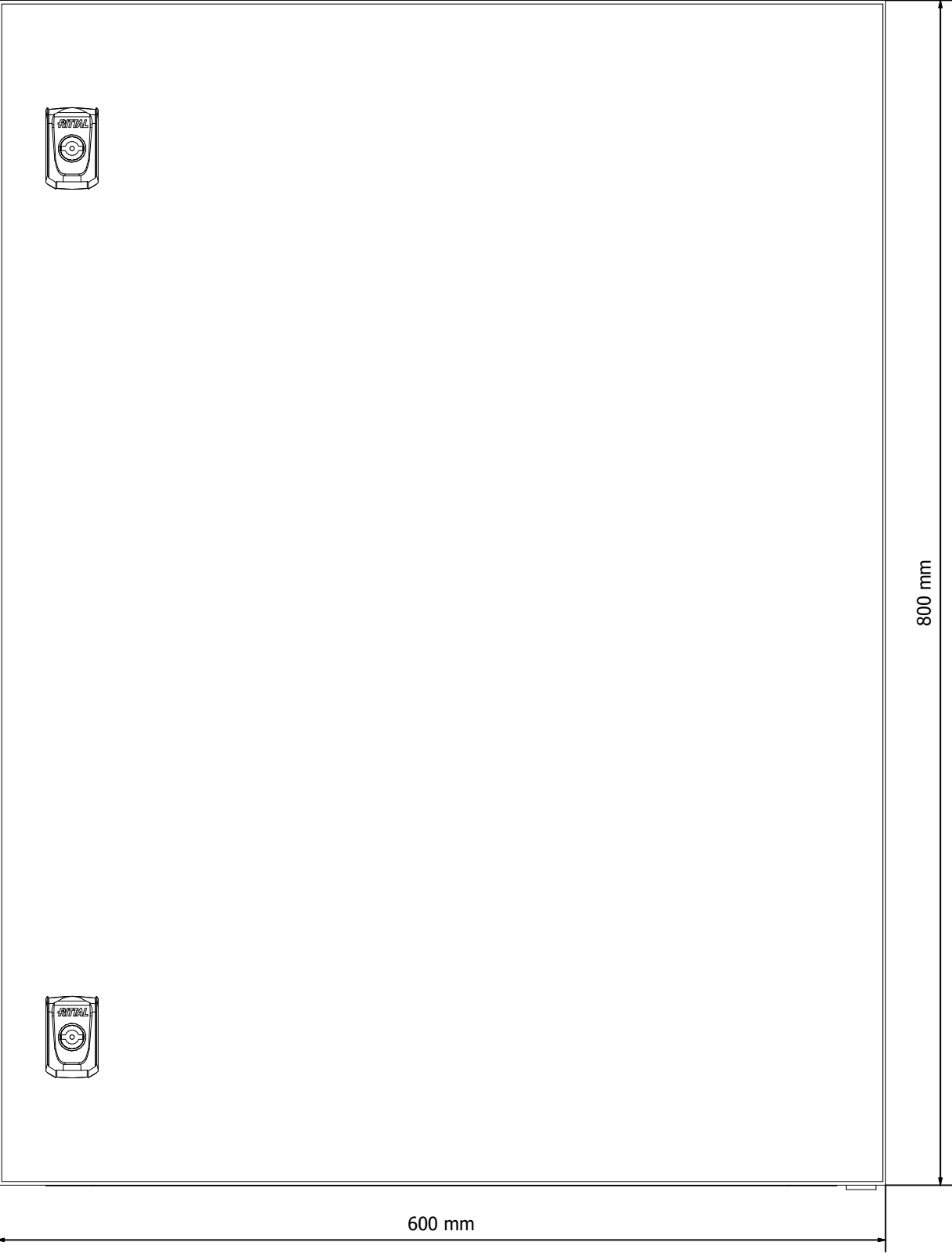
TERMINAL STRIP AND COTORS

- XP12 = Power supply terminal strip
- XP02 = Control board P02 signal terminal strip
- XP11 = Control board P11 signal terminal strip
- XP13 = Signal Box P13 terminal strip
- X24V = 24Vdc common terminal strip
- XFS1 = safety limit switch 1 terminal strip
- XFS2 = safety limit switch 2 terminal strip
- XAI = Analog input terminal strip
- XAO = Analog output terminal strip
- XEV = Solenoid valve terminal strip
- X11 = Signal JB11 terminal strip
- X15 = Signal JB15 terminal strip
- X16 = Signal JB16 terminal strip
- X22 = Signal JB22 terminal strip
- XTC = Thermocouple terminal strip

+JB11	-X11 = Signal JB11 terminal strip
+JB15	-X15 = Signal JB15 terminal strip
+JB22	-X22 = Signal JB22 terminal strip

P12

FRONT DOOR
STAINLESS STEEL



Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PREZZI *s.p.a.*
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

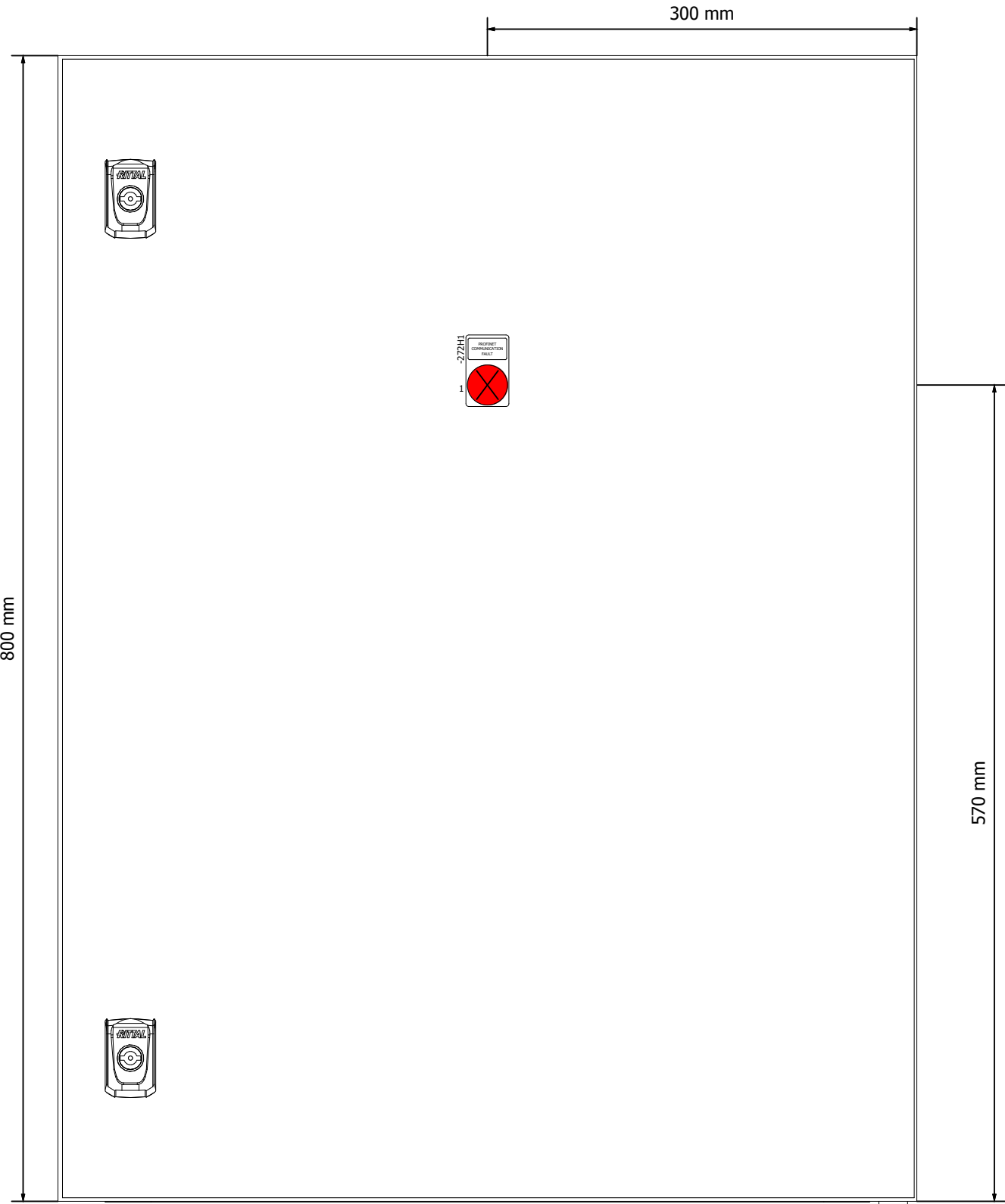
CONTINUOUS CASTER

External layout

+ P12 60-04-89A		380	←
r43.51 00-2400000		390	
		→	391

P12

FRONT DOOR
STAINLESS STEEL



Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



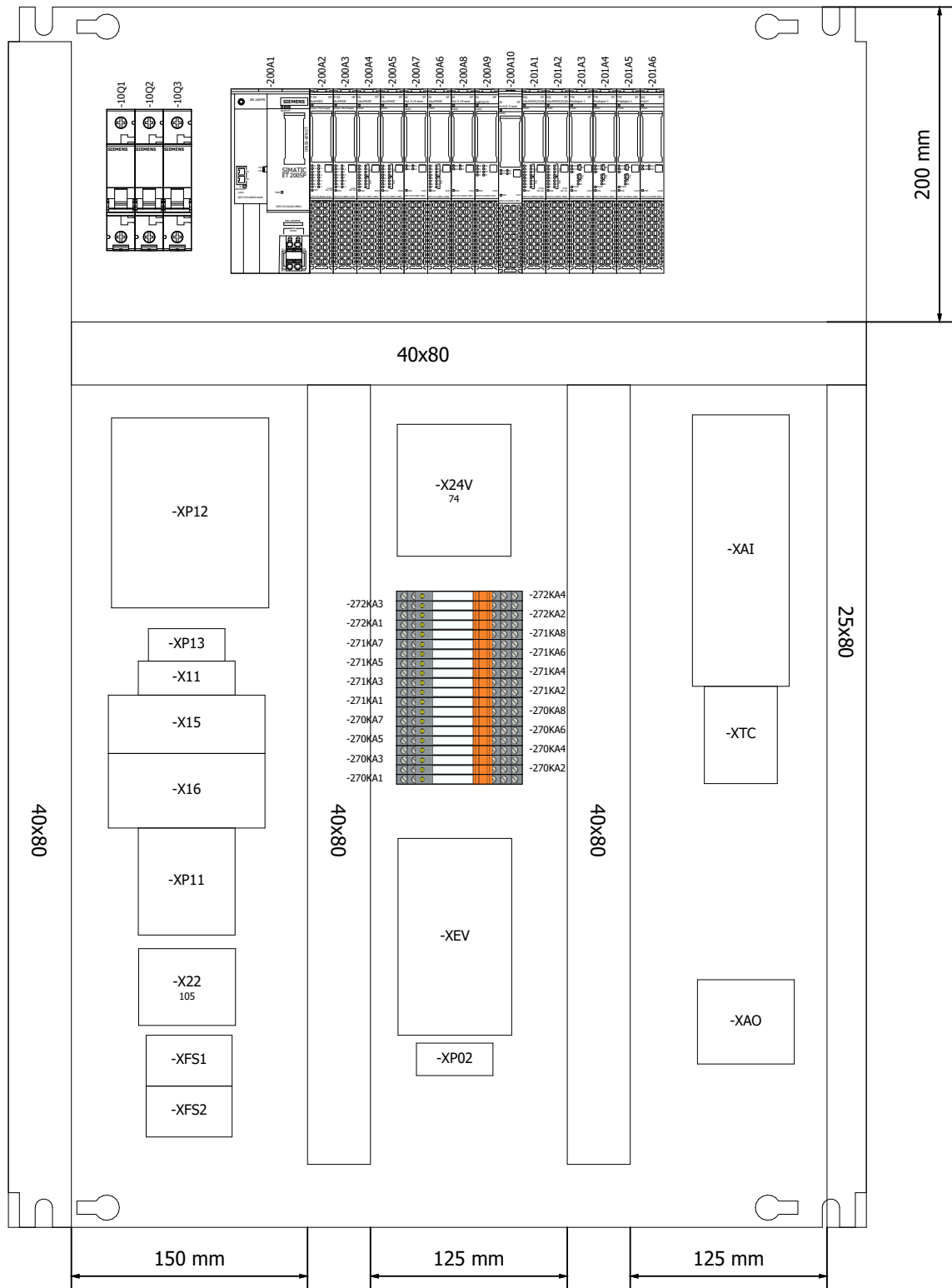
BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

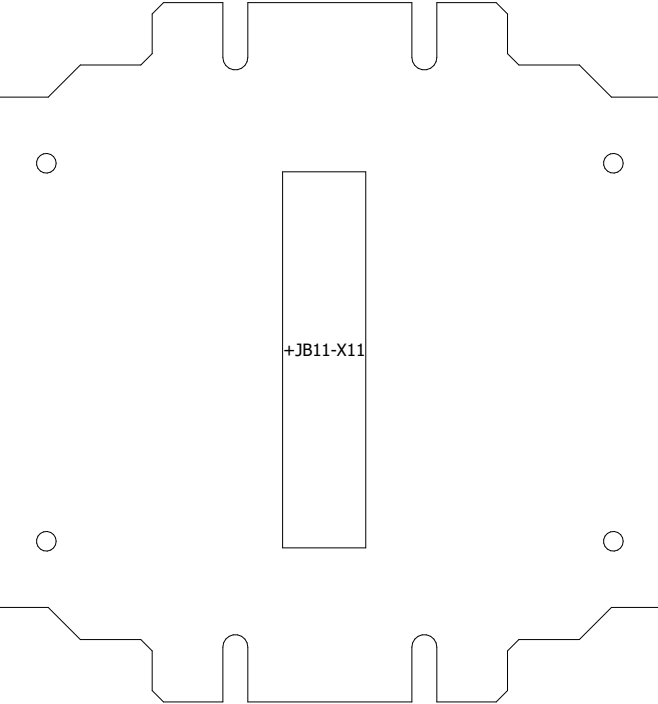
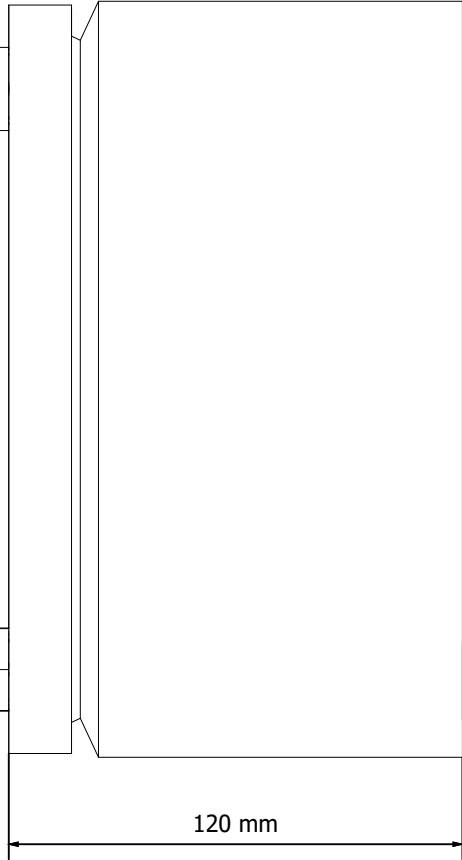
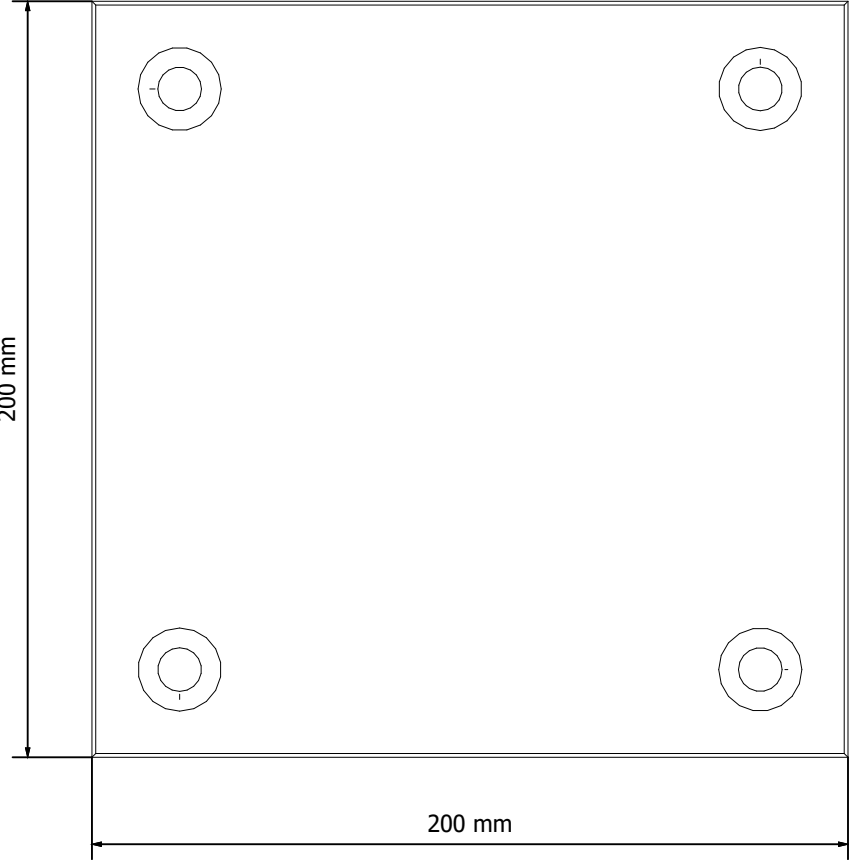
External layout

+ P12	60-04-89A	390	←
r43.51	00-2400000	391	
		→	393

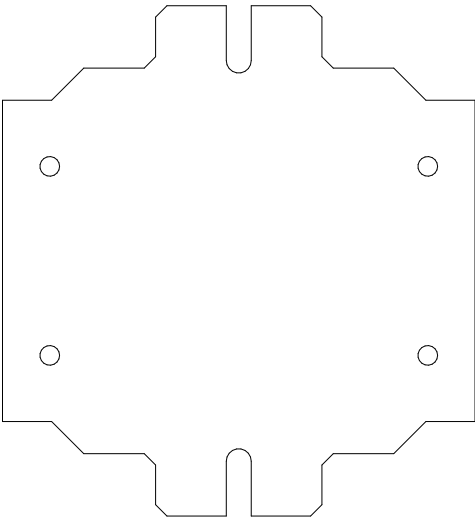
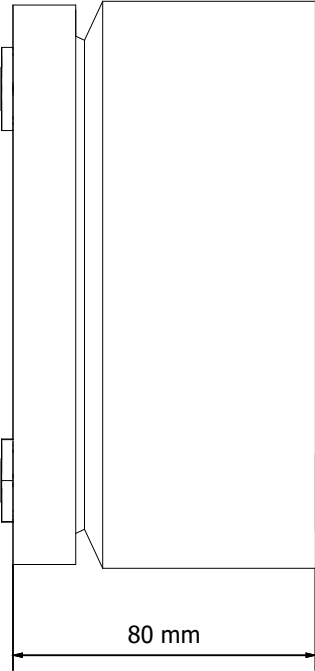
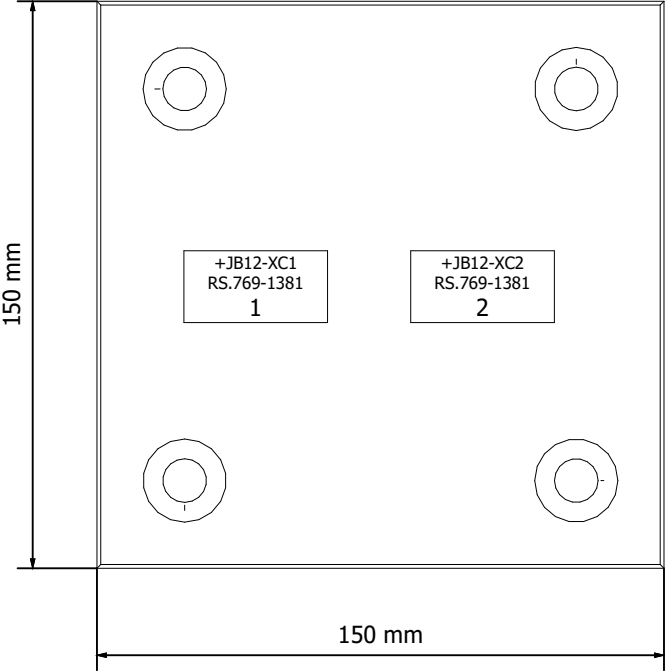
P12



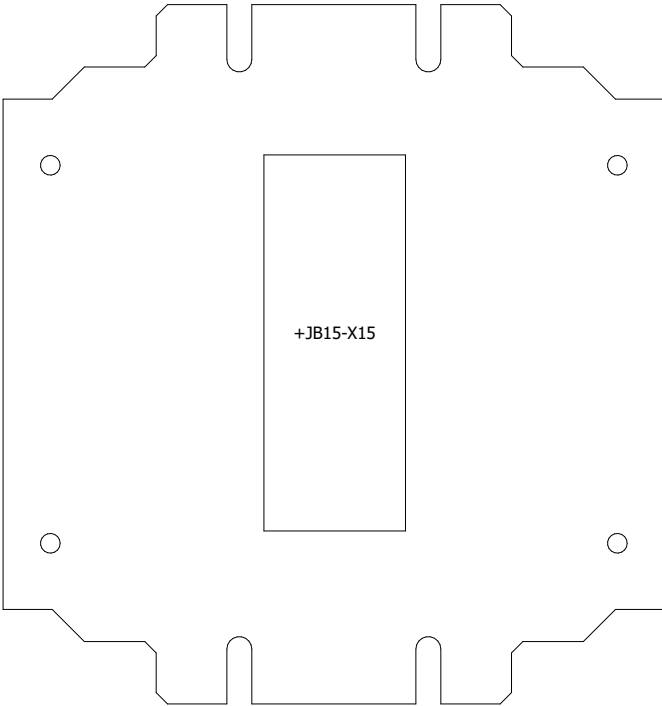
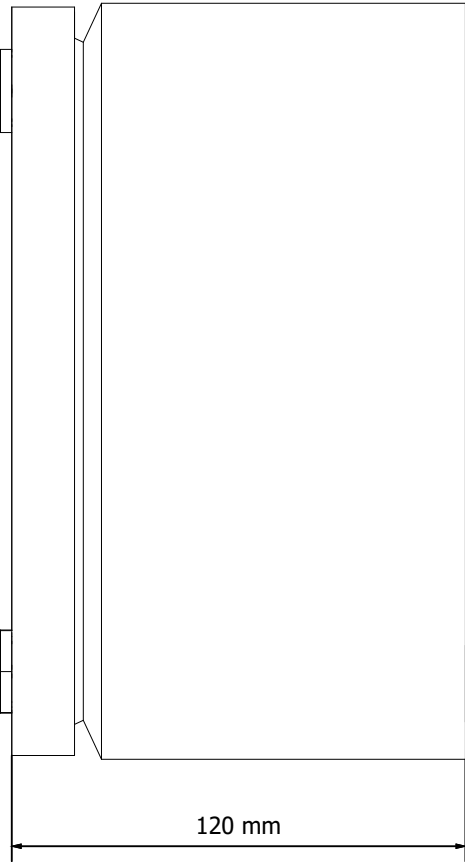
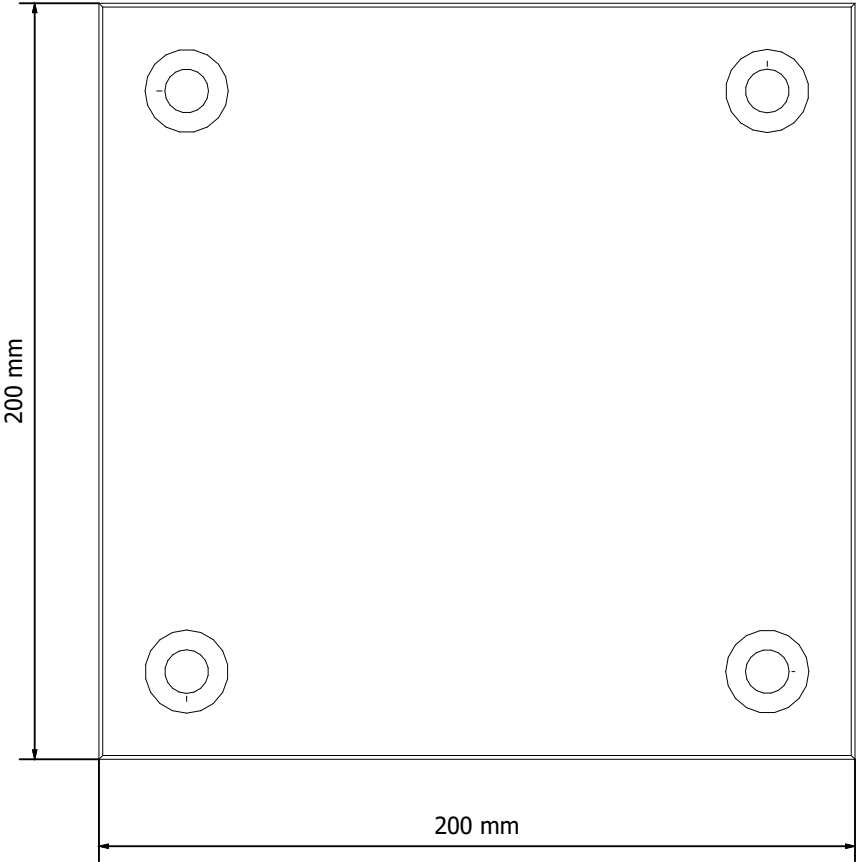
JB11



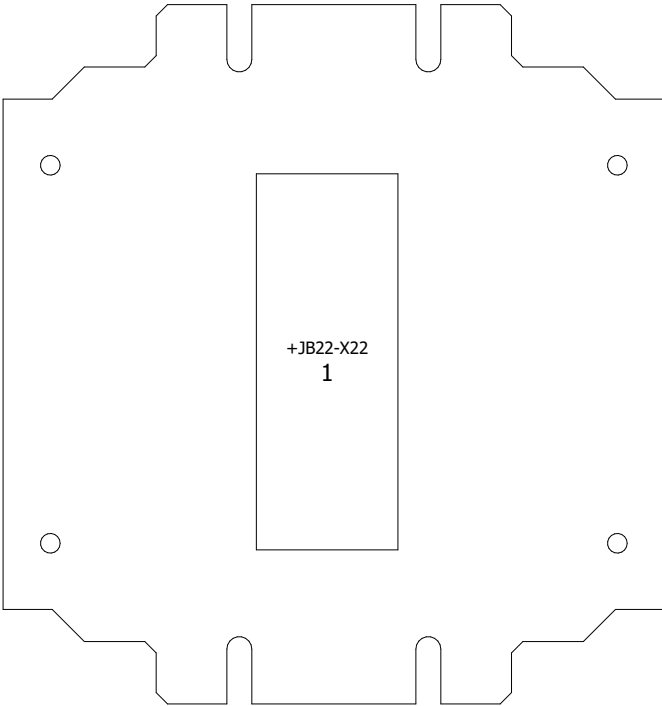
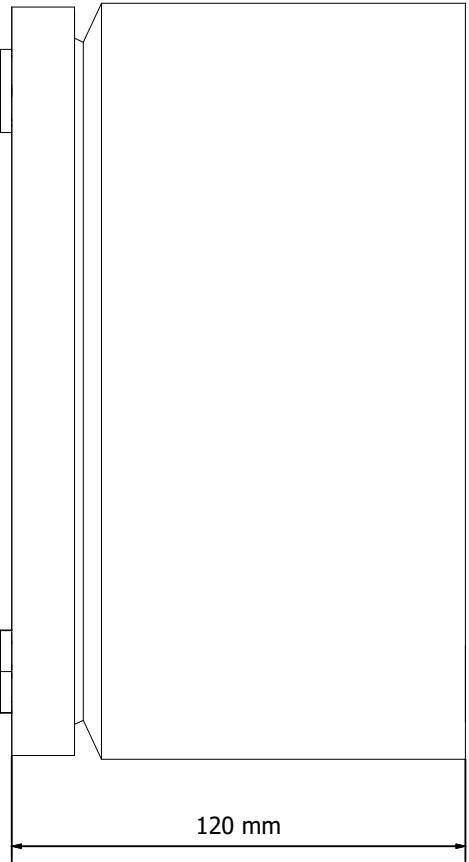
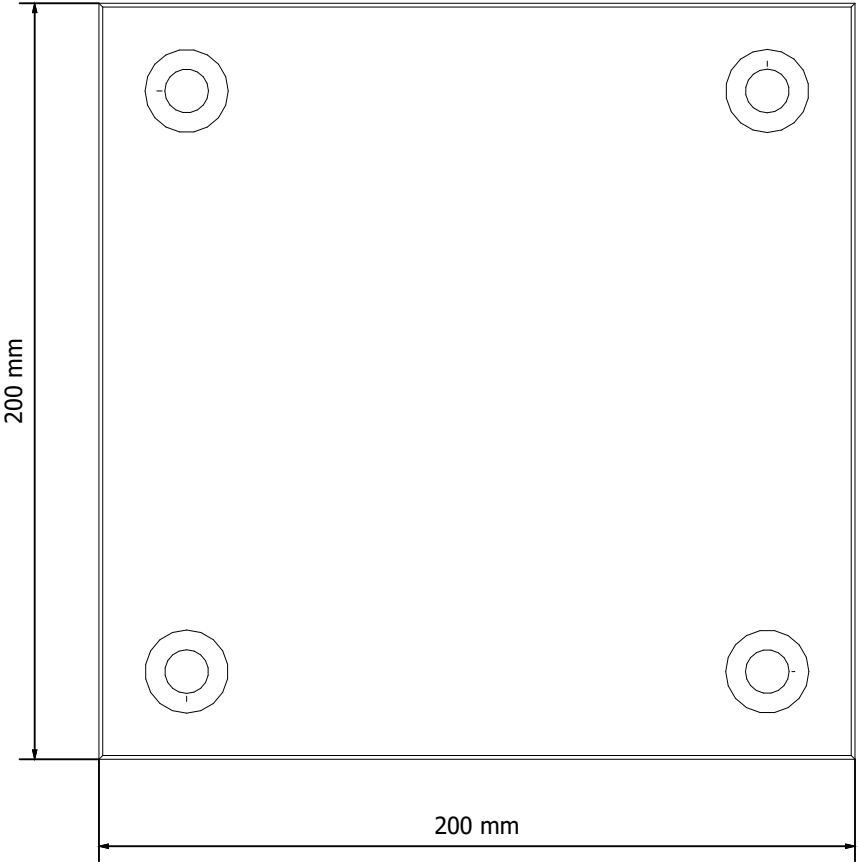
JB12




JB15




JB22





13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P12-X22	+ P12 60-04-89A		402
UTE							
08/08/2025	08/08/2025						403
1	=> 1				r43.51	00-2400000	404


Terminal diagram

	External Designation														Designation Internal					
Function text	Cable name									=+P12-X24V									Cable name	Page / column
	Cable type									24Vdc common terminal strip									Cable type	
										Component	Filo Wire		Terminal	Jumper	Tipo Type	Component				
										Internal	External	Internal								
DISTRIBUTION 24Vdc P12										-200A1	10.01	10.01	1	•	2,5	-10Q1			&SCH/15.1	
										-200A2				•						
										-X11				•						
DISTRIBUTION 24Vdc P12										-200A4	10.01	10.01	1	•	2,5	-X16			&SCH/15.1	
										-X15				•						
										-XP12				•						
DISTRIBUTION 24Vdc P12										-XAI	10.01	10.01	1	•	2,5	-XP11			&SCH/15.1	
										-200A6				•						
										-200A9				•						
DISTRIBUTION 24Vdc P12										-X22	10.01	10.01	1	•	2,5	-201A1			&SCH/15.2	
=										-200A4	10.01	10.01	2	•	2,5	-10Q2			&SCH/15.3	
										-270KA1				•						
DISTRIBUTION 24Vdc P12													2	•	2,5				&SCH/15.3	
=										-200A4	10.02	10.02	3	•	2,5	-10Q3			&SCH/15.5	
										-201A3				•						
										-XAO				•						
DISTRIBUTION 24Vdc P12										-201A6	10.02	10.02	3	•	2,5	-XAO			&SCH/15.5	
=										-XP12	0V	0V	4	•	2,5	-XP12			&SCH/15.7	
										-XP12				•						
										-200A1				•						
DISTRIBUTION 24Vdc P12										-X11	0V	0V	4	•	2,5	-200A2			&SCH/15.7	
										-X16				•						
										-200A4				•						
DISTRIBUTION 24Vdc P12										-XP11	0V	0V	4	•	2,5	-X15			&SCH/15.7	
										-XAI				•						
										-200A6				•						
DISTRIBUTION 24Vdc P12										-270KA1	0V	0V	4	•	2,5	-200A9			&SCH/15.8	
										-XEV				•						
										-201A1				•						
DISTRIBUTION 24Vdc P12										-201A3	0V	0V	4	•	2,5	-272H1			&SCH/15.8	

13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+P12-XAI	+ P12 60-04-89A		404.a ←
UTE					r43.51	00-2400000	405
08/08/2025	08/08/2025						→ 405.a
1	=> 1						

13/06/2025		 <i>BRUNO PRESEZZI s.p.a.</i> <i>20040 BURAGO DI MOLGORA</i> <i>Via per Ornago, 8 (MI) ITALY</i>	CONTINUOUS CASTER	Terminal diagram =+P12-XAO	+ P12 60-04-89A		405.a ←
UTE							406
08/08/2025	08/08/2025						
1	=> 1				r43.51	00-2400000	

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P12-XP12	+ P12 60-04-89A		411
UTE							41
08/08/2025	08/08/2025						41
1	=> 1				r43.51	00-2400000	41

13/06/2025		 <div>BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+JB15-X15	+ P12 60-04-89A		415 ←
UTE					r43.51	00-2400000	416
08/08/2025	08/08/2025						→ &DIST/500
1	=> 1						

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-10Q2	1	Circui breaker	5SY6116-7	Siemens	SIE.5SY6116-7
-10Q3	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-XP12	5	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP12	2	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-XP12	2	Feed-through terminal	ST 35	Phoenix Contact	PXC.3036178
-XP12	1	Feed-through terminal	ST 35-PE	Phoenix Contact	PXC.3036194
-X24V	14	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XFS1	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XFS2	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A2	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A4	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A5	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A6	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A7	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A7	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A8	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A8	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A9	1	Analog input card	6ES7134-6JD00-0CA1	Siemens	SIE.6ES7134-6JD00-0CA1

Parts list


Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A9	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A10	1	Analog input card	6ES7134-6HD01-0BA1	Siemens	SIE.6ES7134-6HD01-0BA1
-200A10	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-201A1	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-201A1	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-201A2	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-201A2	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A3	1	TM Posinput card	6ES7138-6BA01-0BA0	Siemens	SIE.6ES7138-6BA01-0BA0
-201A3	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-201A4	1	TM Posinput card	6ES7138-6BA01-0BA0	Siemens	SIE.6ES7138-6BA01-0BA0
-201A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A5	1	TM Posinput card	6ES7138-6BA01-0BA0	Siemens	SIE.6ES7138-6BA01-0BA0
-201A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-201A6	1	Analog output card	6ES7135-6HD00-0BA1	Siemens	SIE.6ES7135-6HD00-0BA1
-201A6	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-XP02	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XP13	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X11	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X11	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X11	3	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X16	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X16	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X16	8	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
-X15	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X15	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X15	6	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XP11	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XP11	1	Fuse 5x20	0103153	Italweber	IW.0103153

Parts list









Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-XP11	12	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X22	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X22	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X22	6	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XAI	1	Fuse 5x20	0101001	Italweber	IW.0101001
-XAI	17	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XTC	2	Thermoelectric voltage terminal block pair	MTKD-NICR/NI	Phoenix Contact	PXC.3100062
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XEV	5	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XEV	17	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-271KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-272H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-272H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-272H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-272KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XAO	2	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XAO	2	Fuse 5x20	0103153	Italweber	IW.0103153
-XAO	10	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-390M1	1	AX compact box	AX.1058000	Rittal	RIT.1058000
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
+JB11-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB11-X11	2	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB11-394M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB11-394M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB11-394M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB15-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB15-X15	5	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB15-396M1	1	KX Box	KX.1502000	Rittal	RIT.1502000
+JB15-396M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB15-396M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010

Date	13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	COVER	+ P13 60-04-98A		+P12&DIST/500.
Ed.	UTE							
Rev	08/08/2025	08/08/2025				1		
Rev	1	=> 1				2		
						r43.51	00-2400000	

WIRES COLOR TABLE

 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

0		1		2		3		4		5		6		7		8	
Table of contents																	
Assignment				Page		Page description								Revision		Edited by	
+P13				BOX HIGH PRESSURE UNIT													
				1		COVER								1		UTE	
				2		WIRES COLOR TABLE								1		UTE	
				4		Table of contents								1		UTE	
				4.a		Table of contents								1		UTE	
				10		Supply Line								1		UTE	
				15		Distribution 24Vdc								1		UTE	
				120		HUB Drive CliQ								1		UTE	
				121		HUB Drive CliQ								1		UTE	
				150		Pump temperature relay								1		UTE	
				170		Level regulator								1		UTE	
				180		Push button								1		UTE	
				200		PLC								1		UTE	
				240		Digital inputs								1		UTE	
				241		Digital inputs								1		UTE	
				242		Digital inputs								1		UTE	
				243		Digital inputs								1		UTE	
				260		Analog input								1		UTE	
				261		Analog input								1		UTE	
				262		Analog input								1		UTE	
				270		Digital outputs								1		UTE	
				271		Digital outputs								1		UTE	
				380		Terminal strip								1		UTE	
				390		External layout								1		UTE	
				391		External layout								1		UTE	
393		Internal layout								1		UTE					
394		Layout +JB17								1		UTE					
395		Layout +JB18								1		UTE					
400		Terminal diagram =+P13-X13								1		UTE					


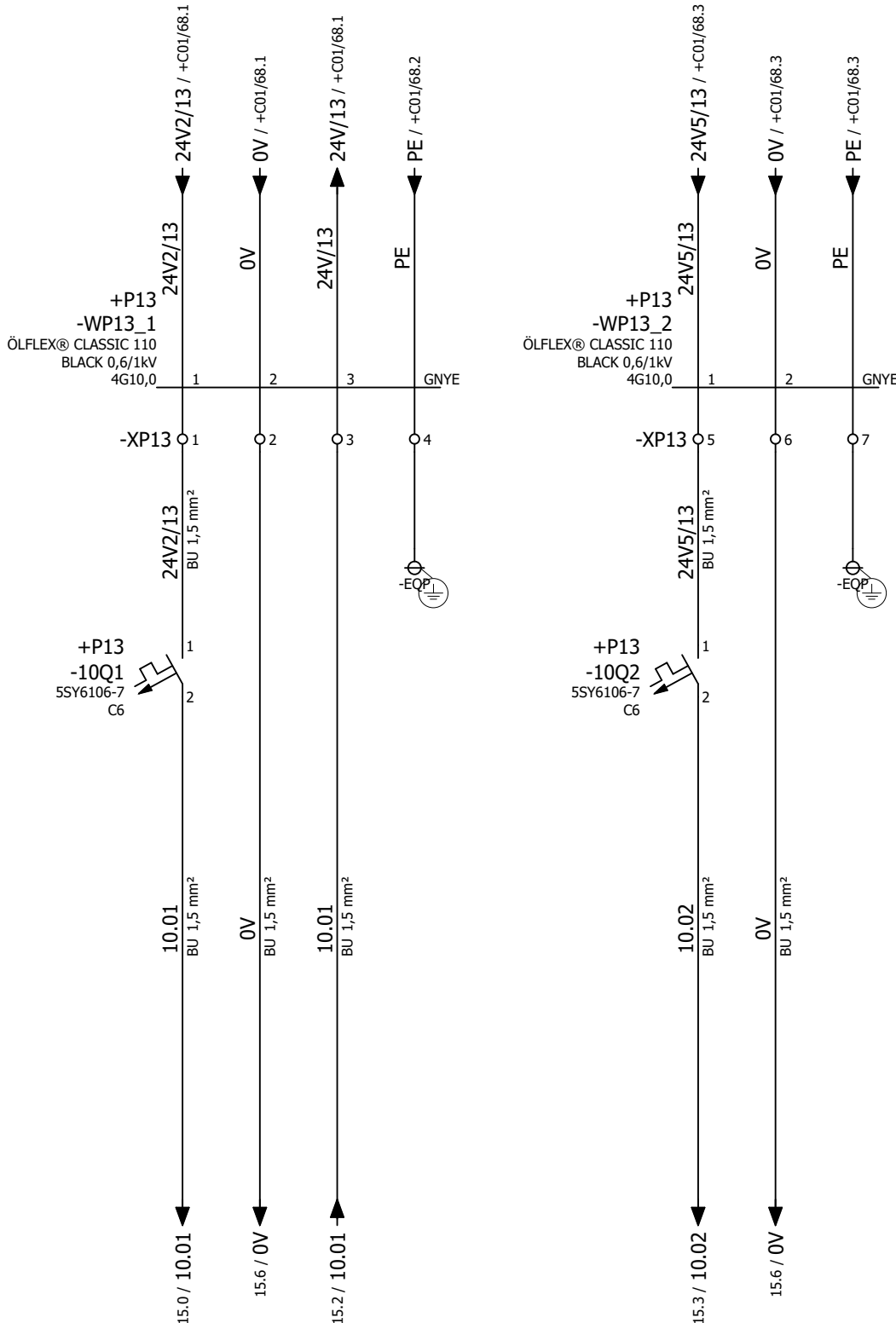
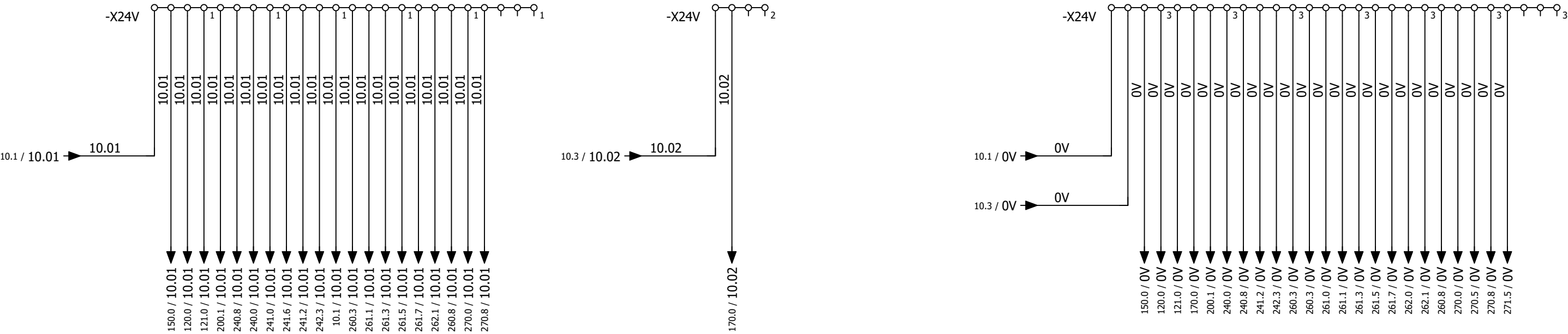
ate	13/06/2025		<div></div> <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>		CONTINUOUS CASTER		Table of contents		+ P1360-04-98A		2			
UTE														
ev	08/08/2025	08/08/2025							r43.51		00-2400000			
ev	1	=> 1											4	

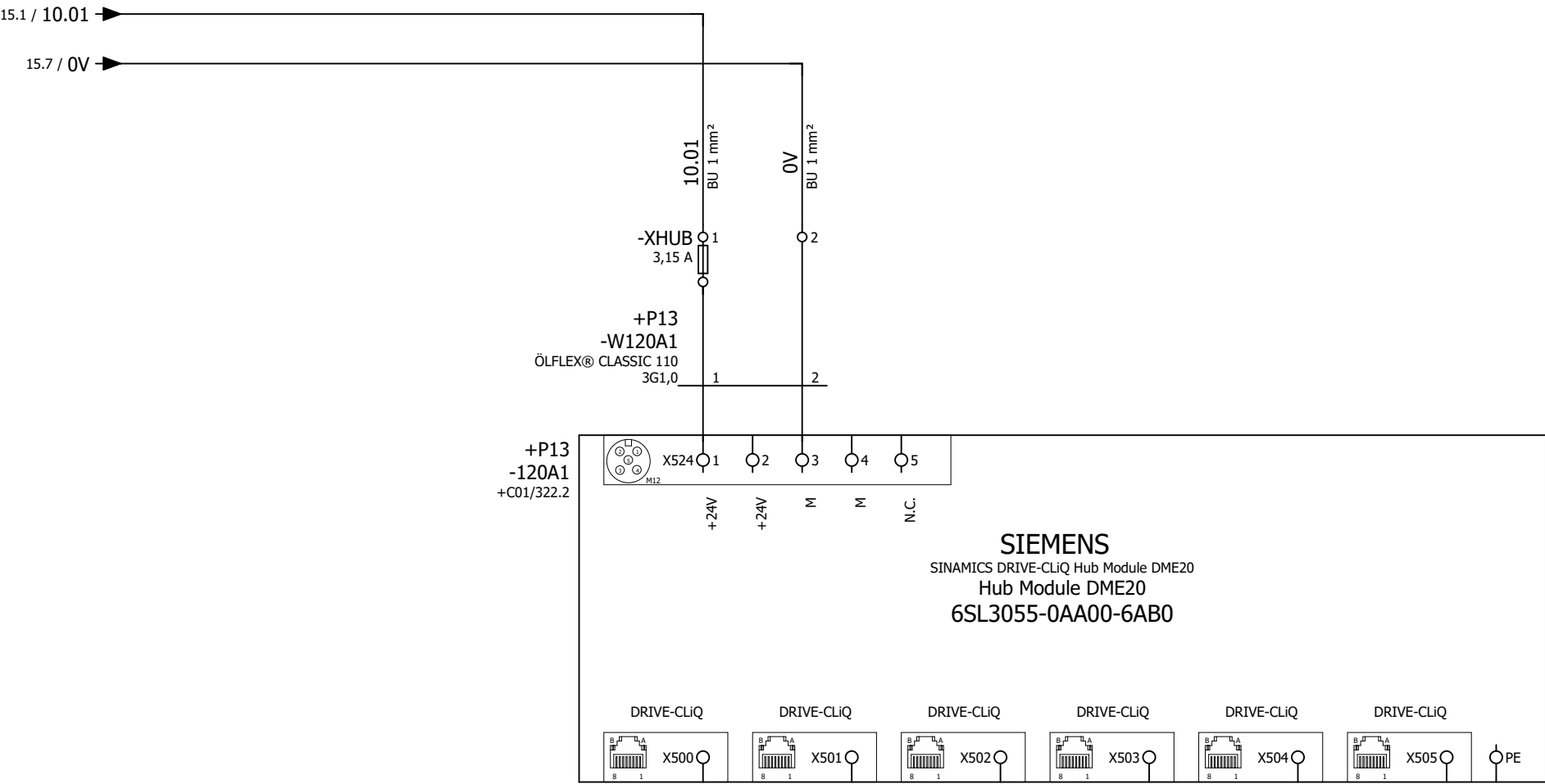
Table of contents

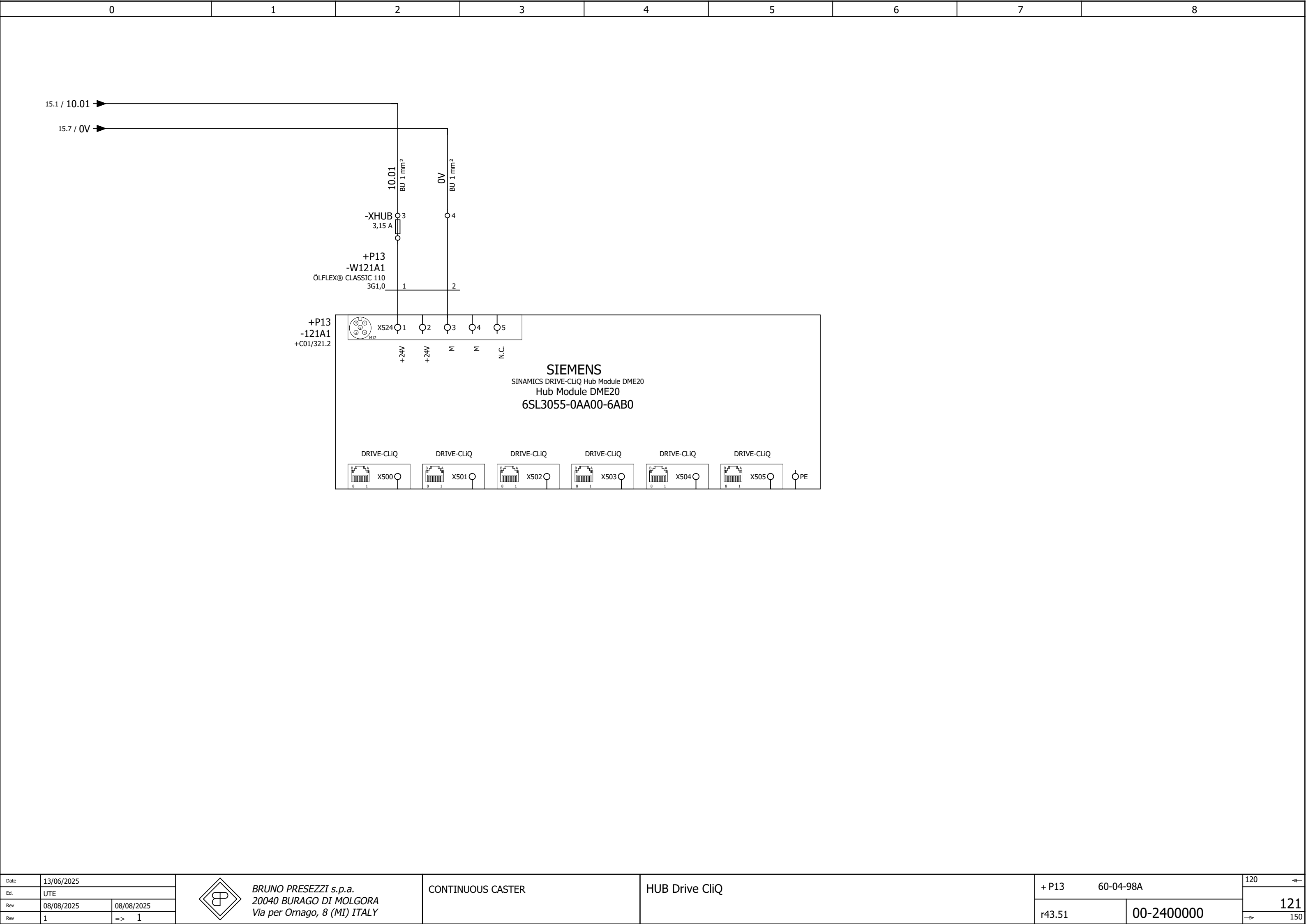
Assignment	Page	Page description	Revision	Edited by
+P13		BOX HIGH PRESSURE UNIT		
	401	Terminal diagram =+P13-X17	1	UTE
	402	Terminal diagram =+P13-X18	1	UTE
	403	Terminal diagram =+P13-X24V	1	UTE
	403.a	Terminal diagram =+P13-X24V	1	UTE
	404	Terminal diagram =+P13-XAI	1	UTE
	404.a	Terminal diagram =+P13-XAI	1	UTE
	404.b	Terminal diagram =+P13-XAI	1	UTE
	404.c	Terminal diagram =+P13-XAI	1	UTE
	405	Terminal diagram =+P13-XEV	1	UTE
	406	Terminal diagram =+P13-XHUB	1	UTE
	407	Terminal diagram =+P13-XP13	1	UTE
	408	Terminal diagram =+P13-XT	1	UTE
	409	Terminal diagram =+JB17-X17	1	UTE
	409.a	Terminal diagram =+JB17-X17	1	UTE
	410	Terminal diagram =+JB17-X17.A	1	UTE
	410.a	Terminal diagram =+JB17-X17.A	1	UTE
	411	Terminal diagram =+JB18-X18	1	UTE
	411.a	Terminal diagram =+JB18-X18	1	UTE
	412	Terminal diagram =+JB18-X18.A	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE
	500.c	Parts list	1	UTE

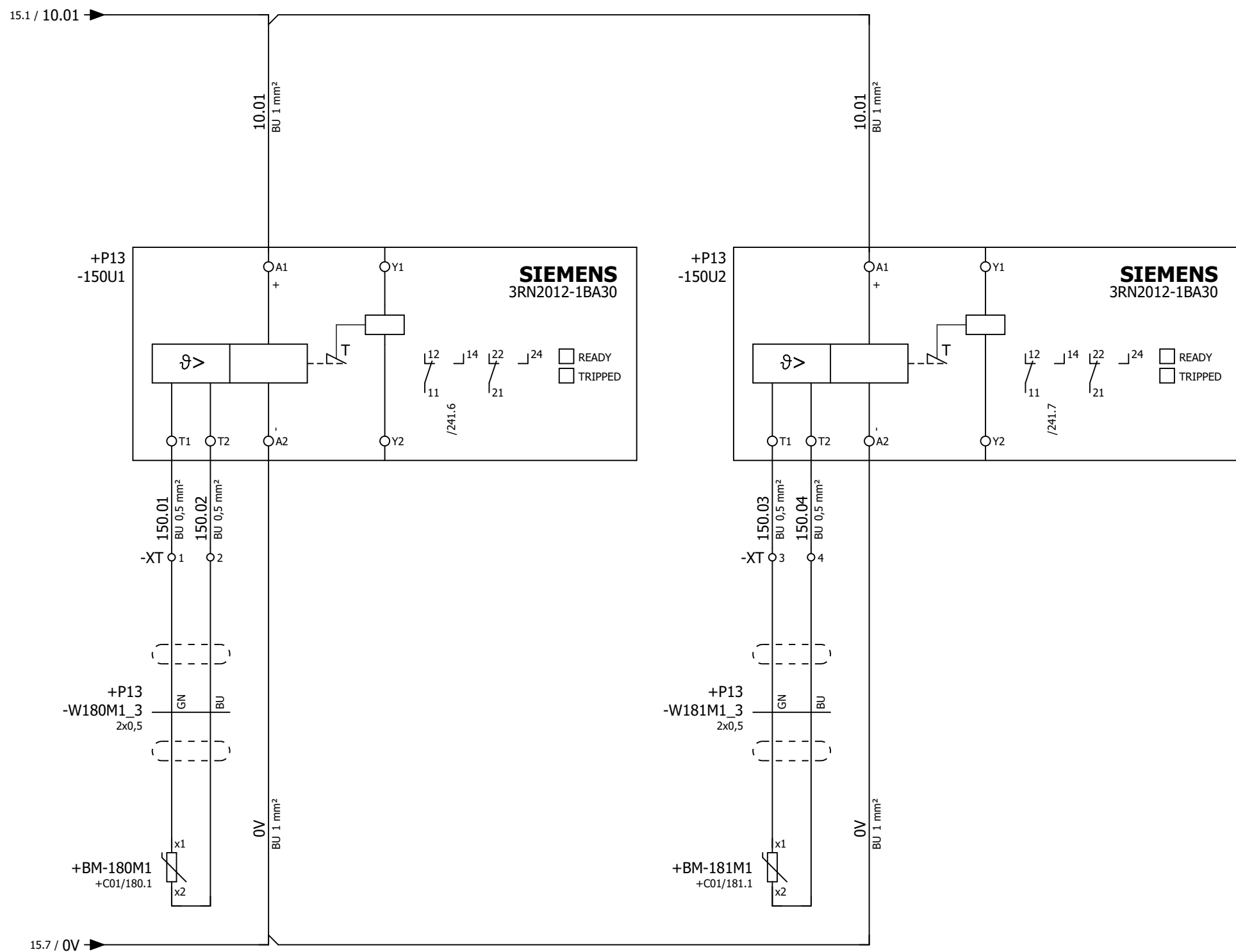




DISTRIBUTION 24Vdc P13

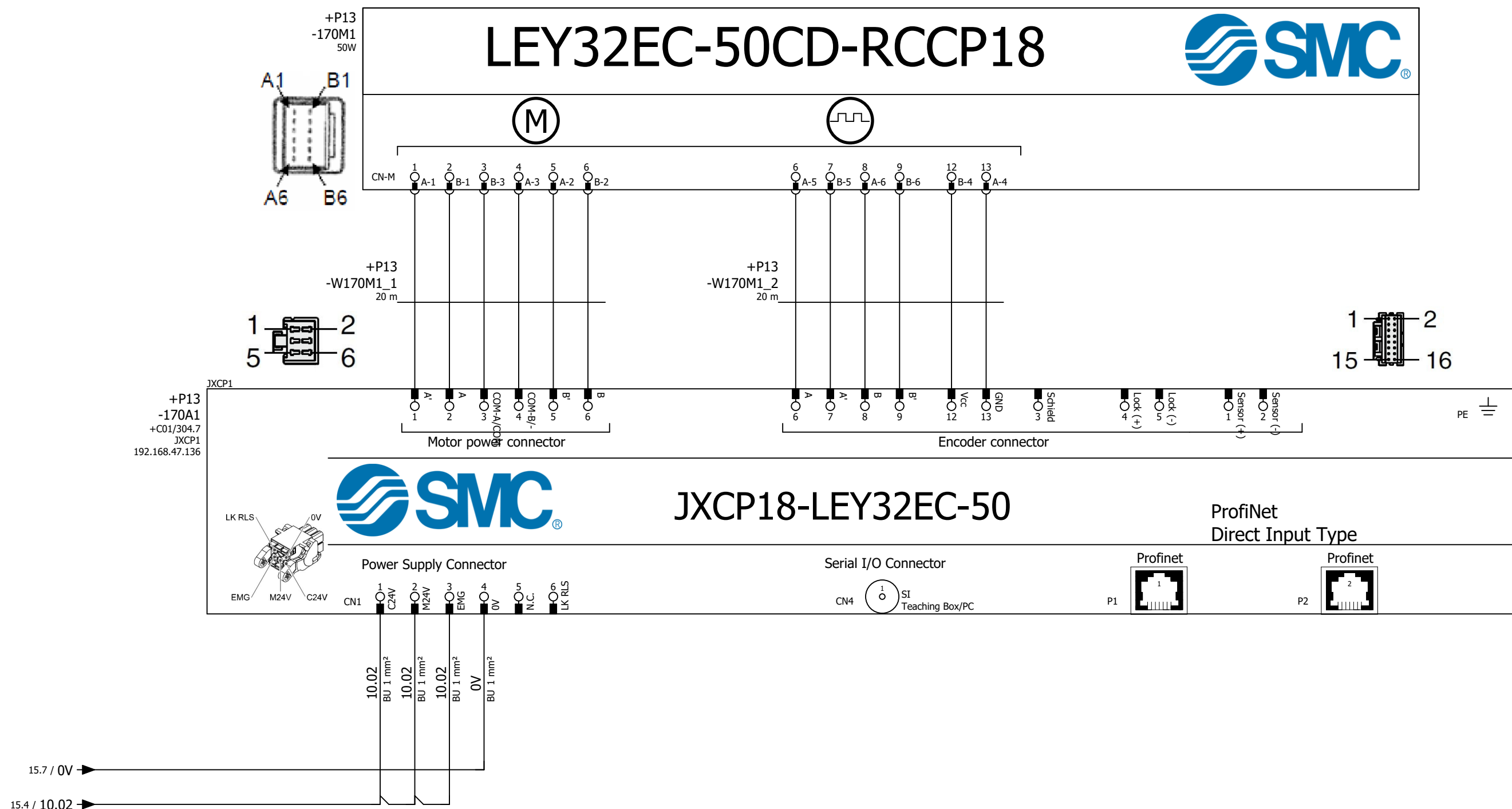


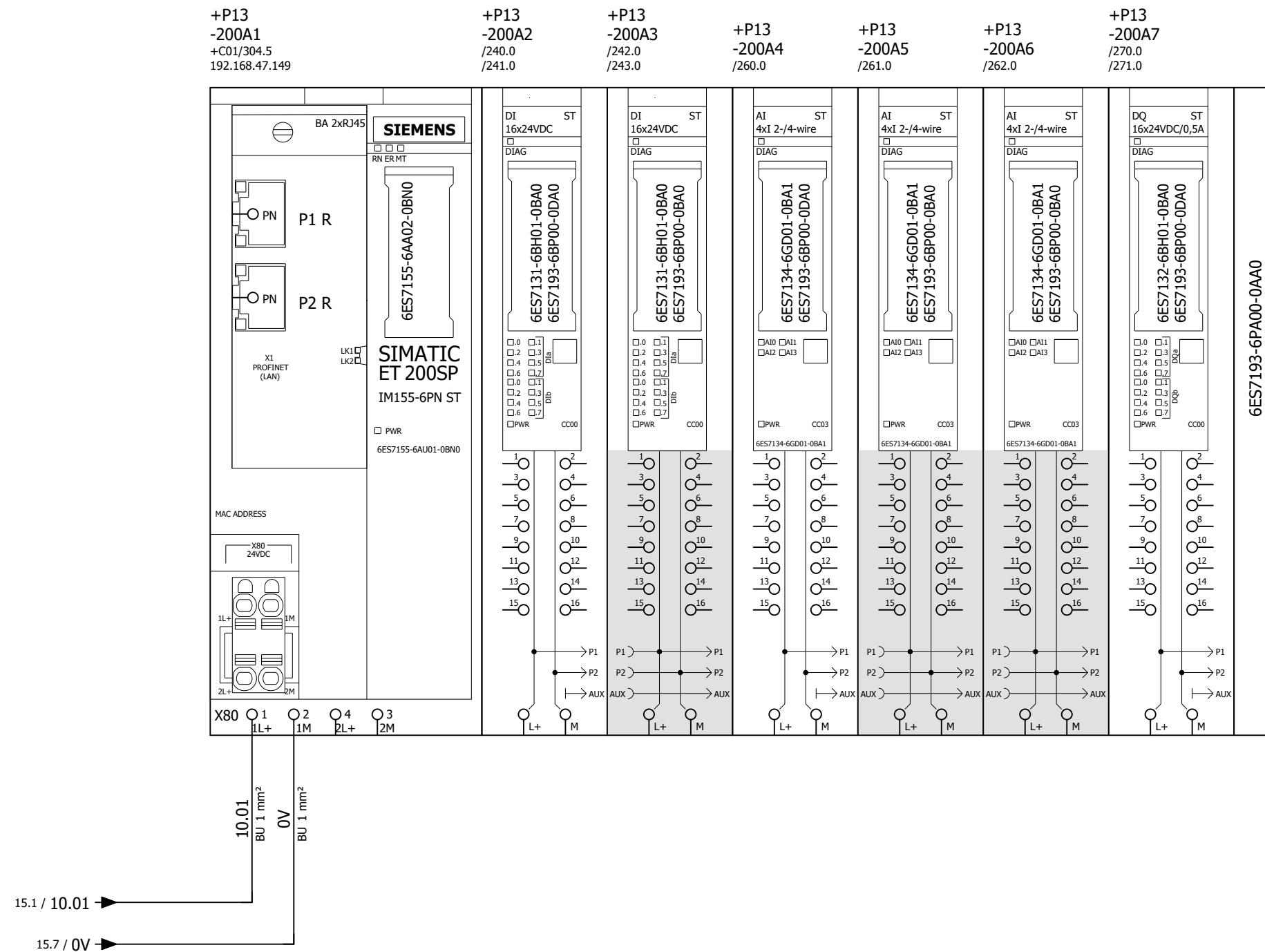


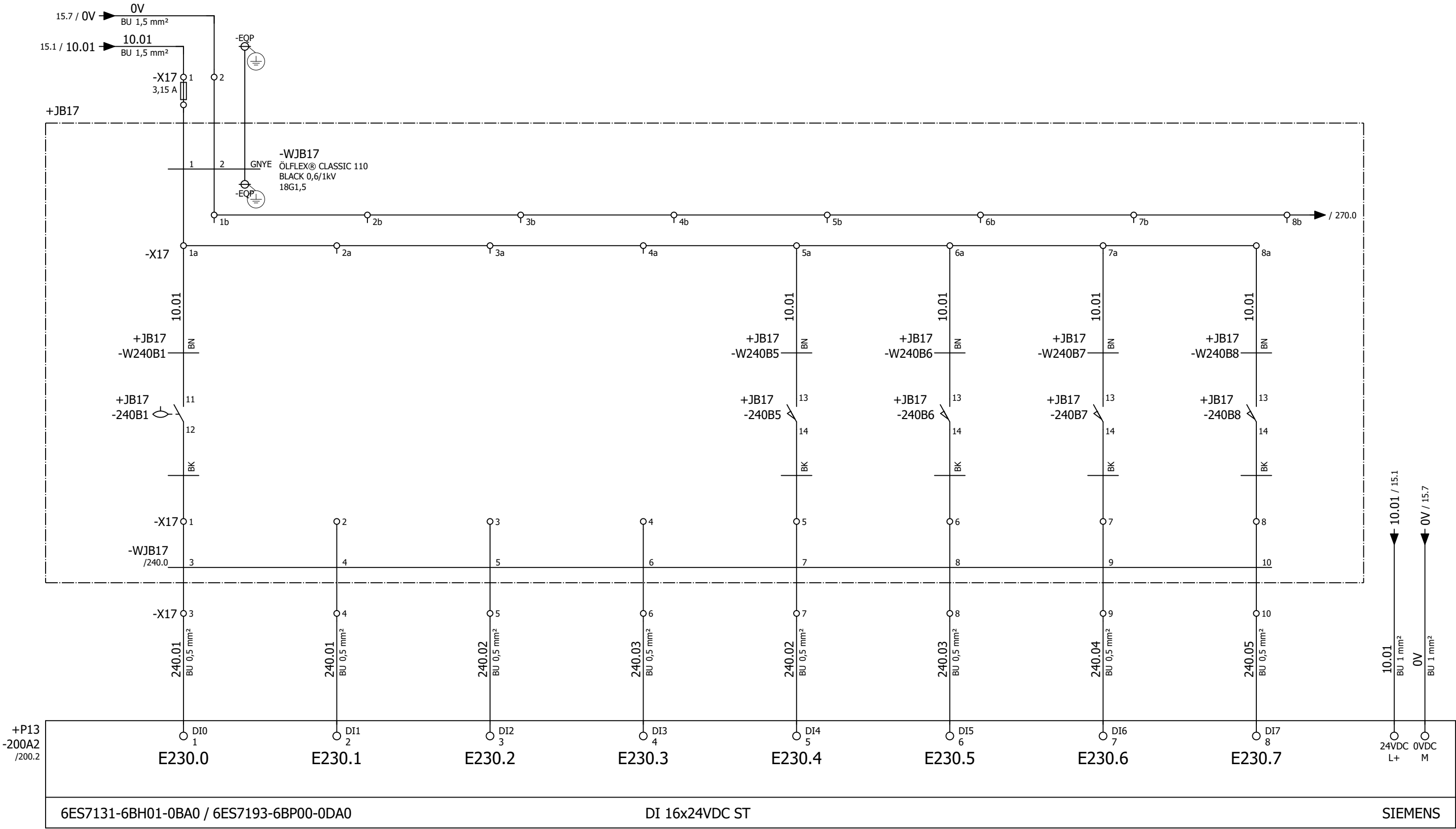


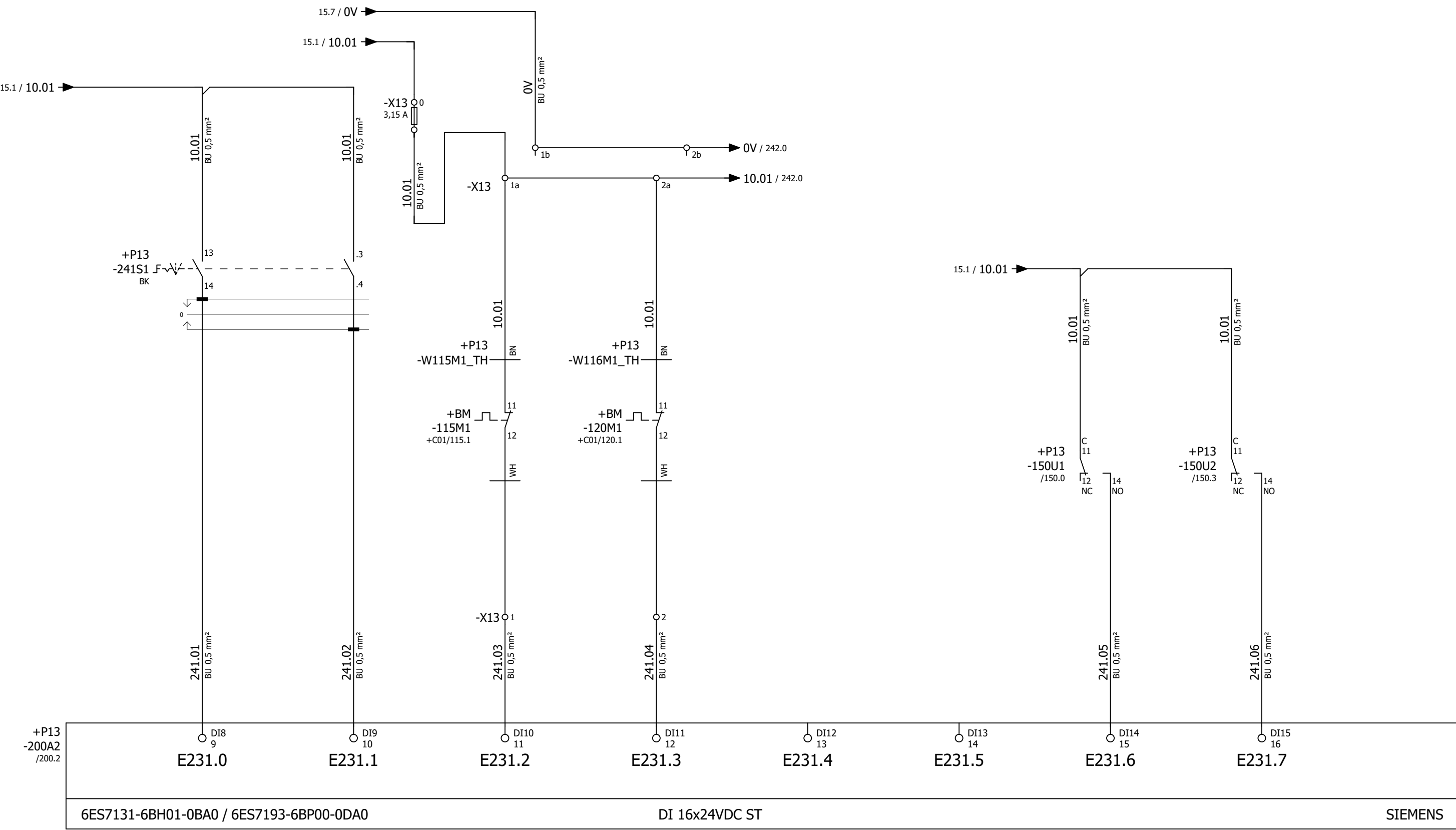
RELAY PUMP 1 HIGH
PRESSURE
TEMPERATURE (180M1)

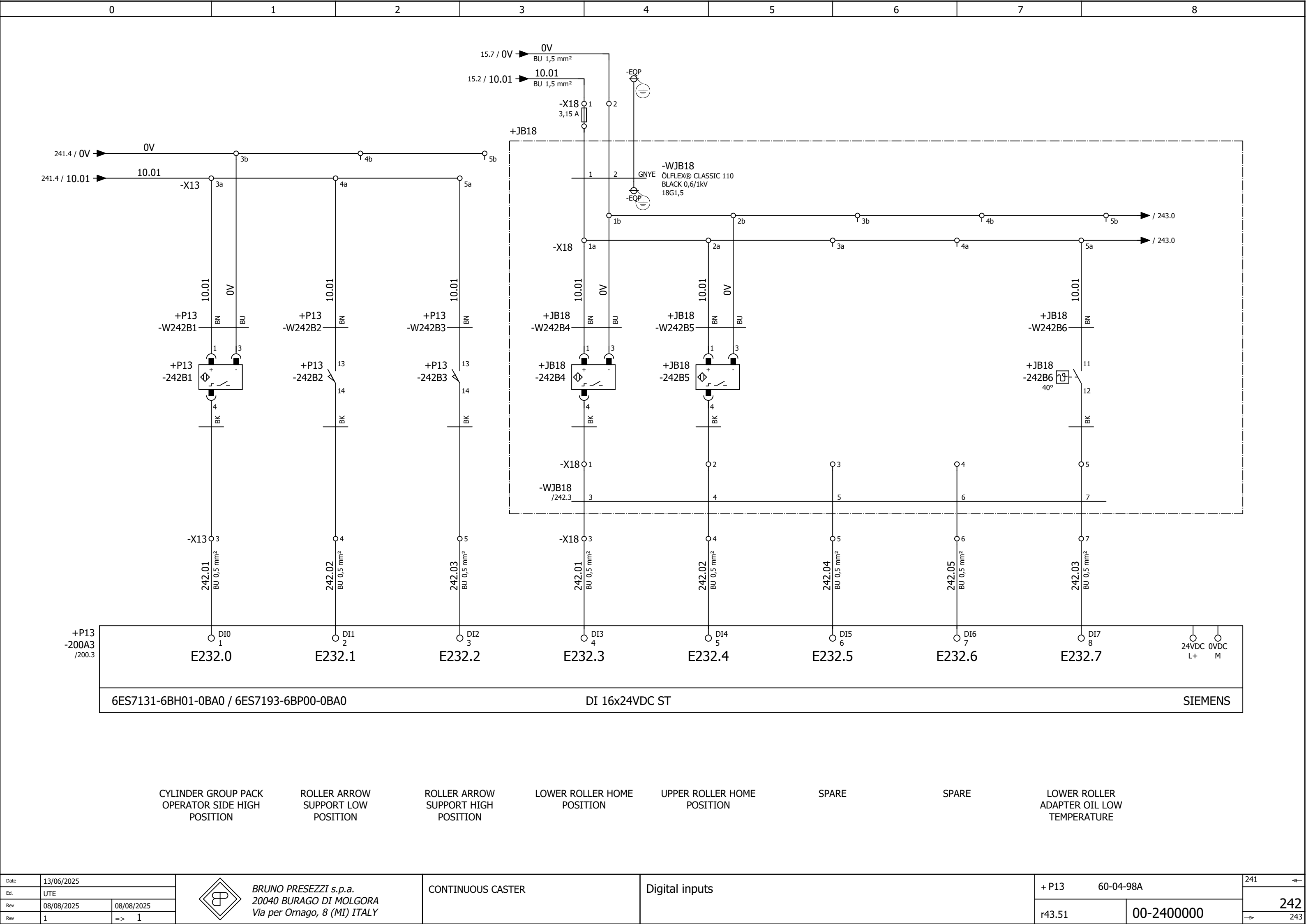
RELAY PUMP 2 HIGH
PRESSURE
TEMPERATURE (181M1)

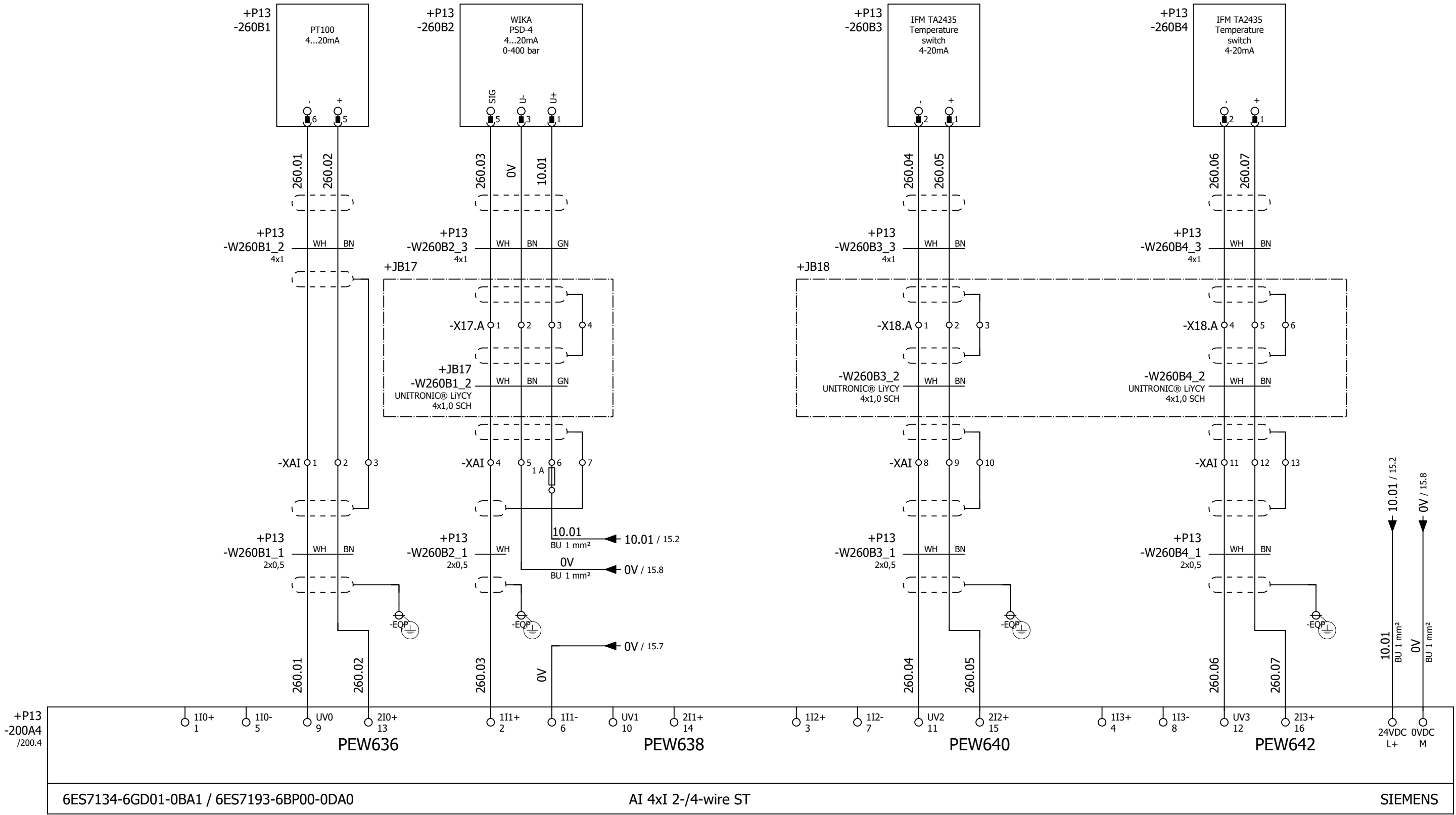


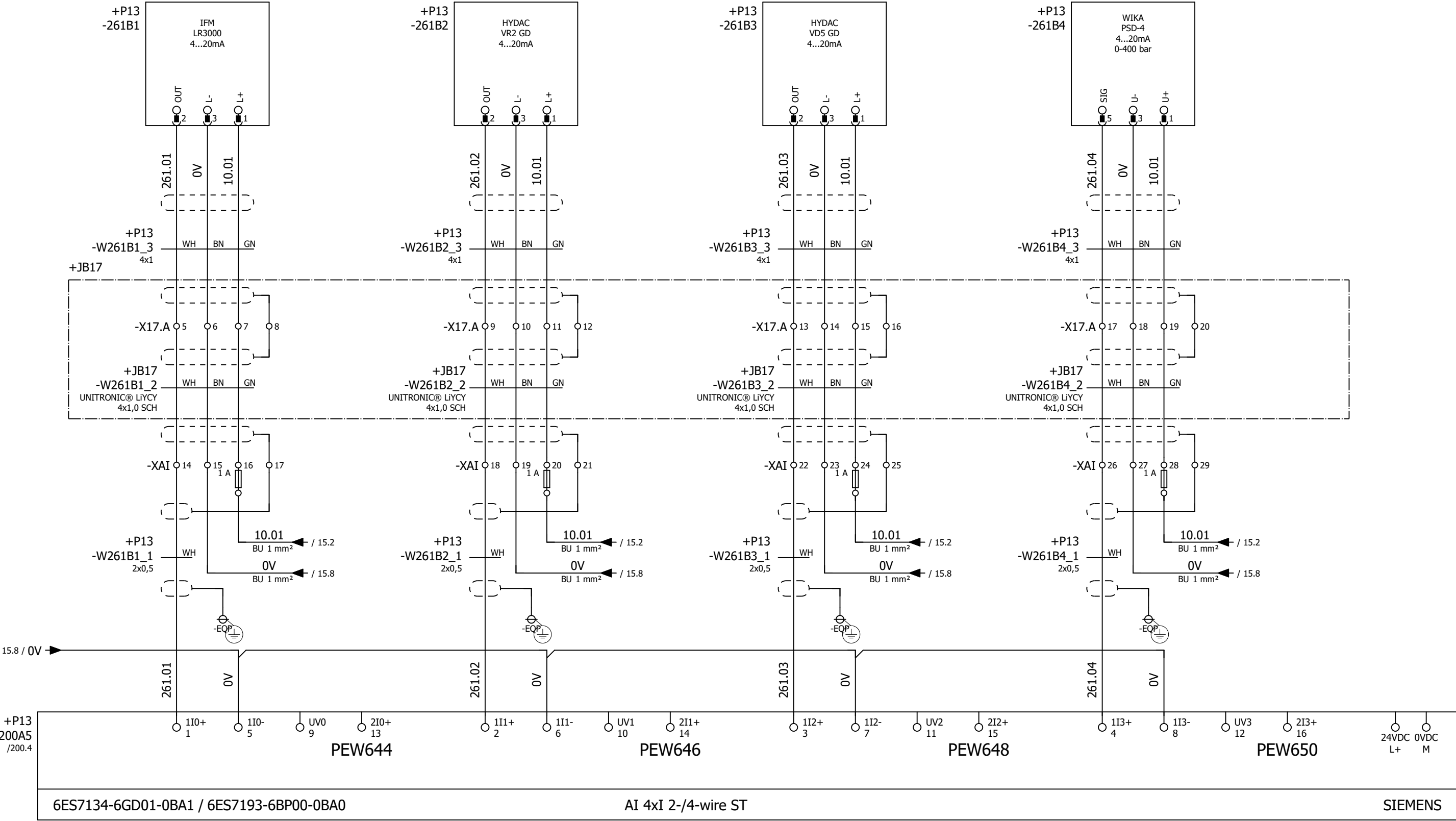










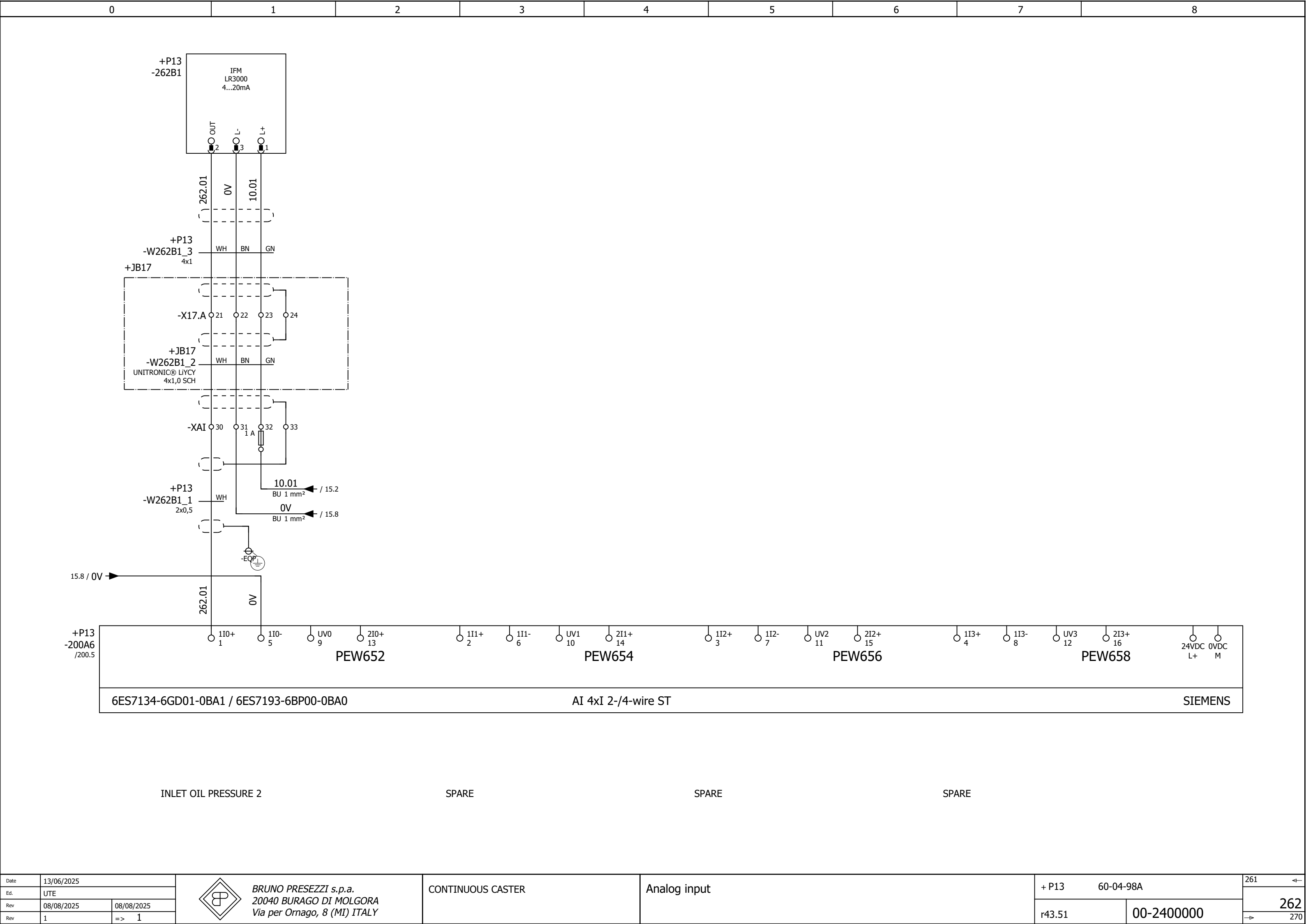


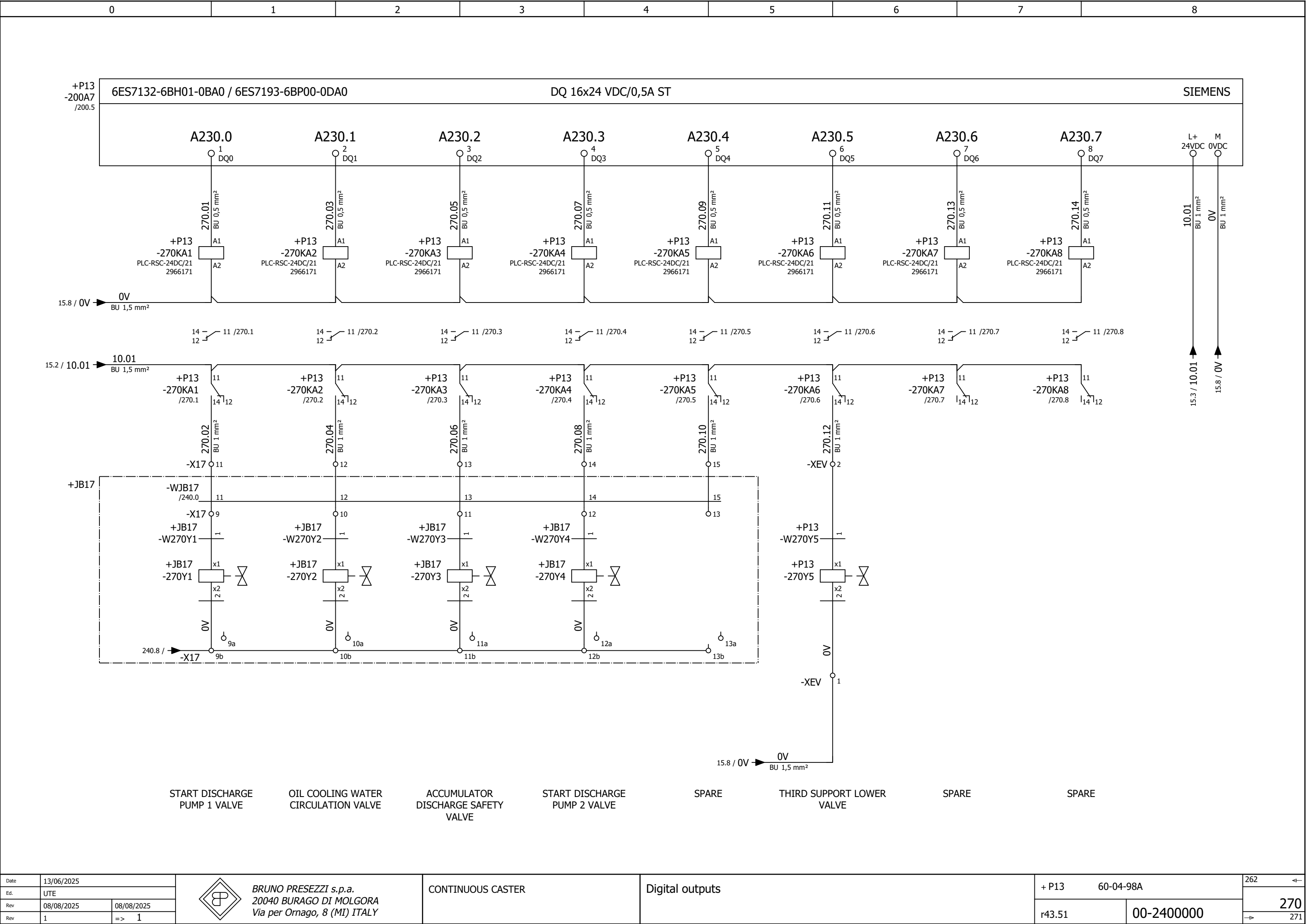
ABSOLUTE MINIMUM
TANK OIL LEVEL

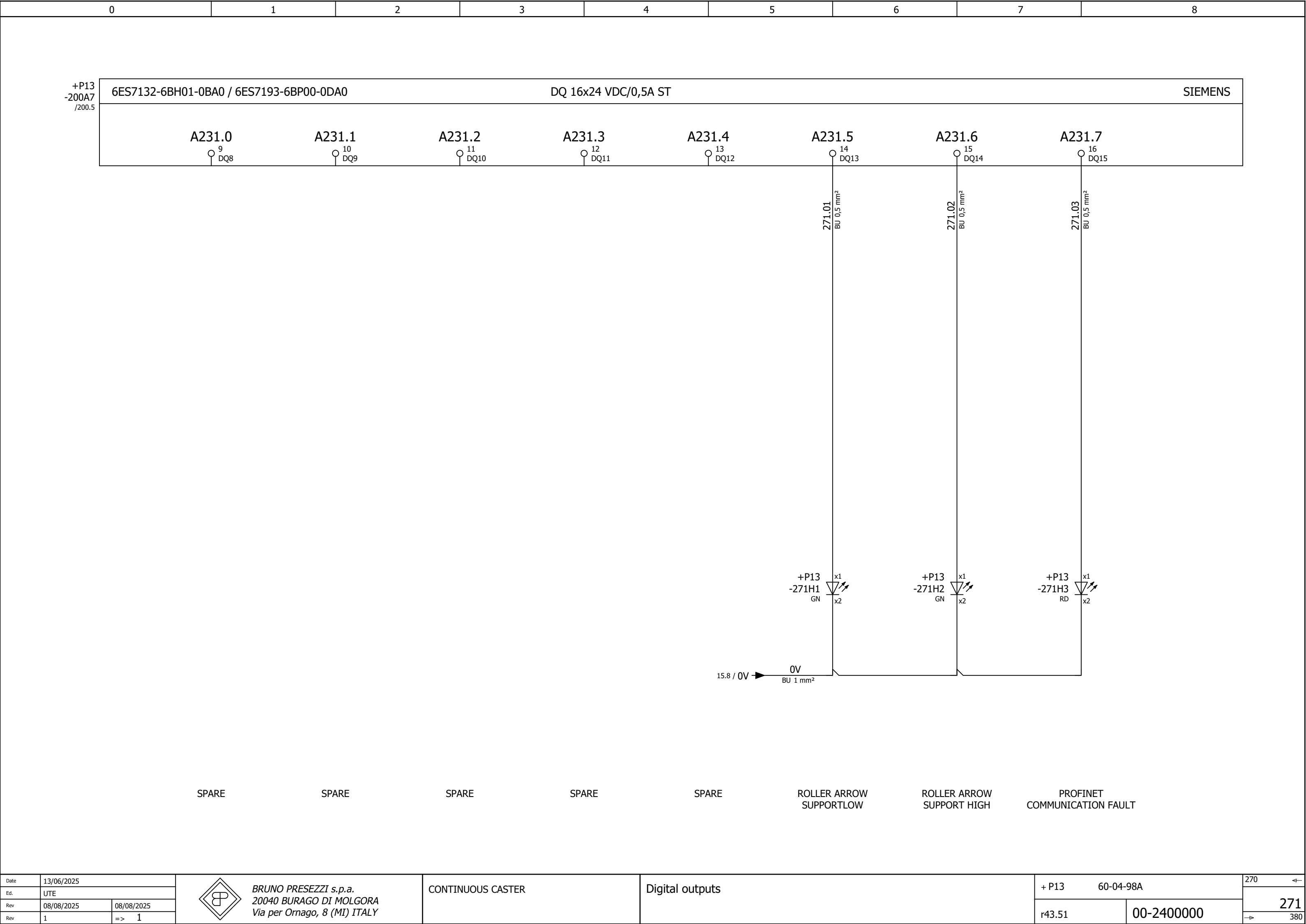
RECIRCULATION FILTER
OBSTRUCTED

INLET FILTER
OBSTRUCTED

INLET OIL PRESSURE 1







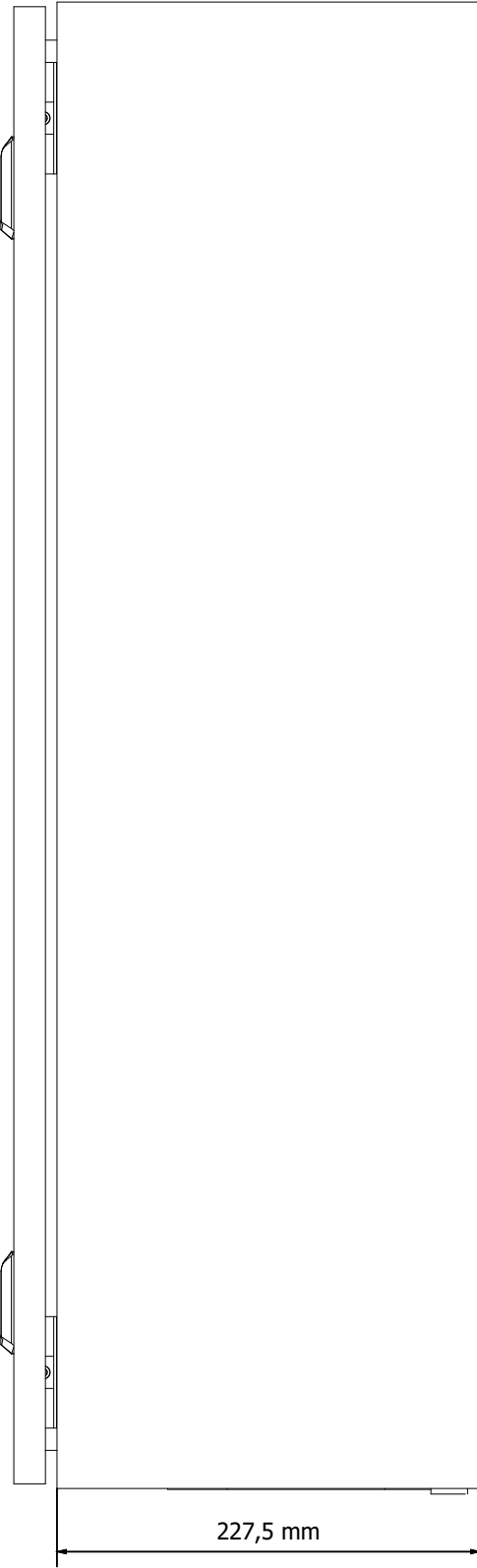
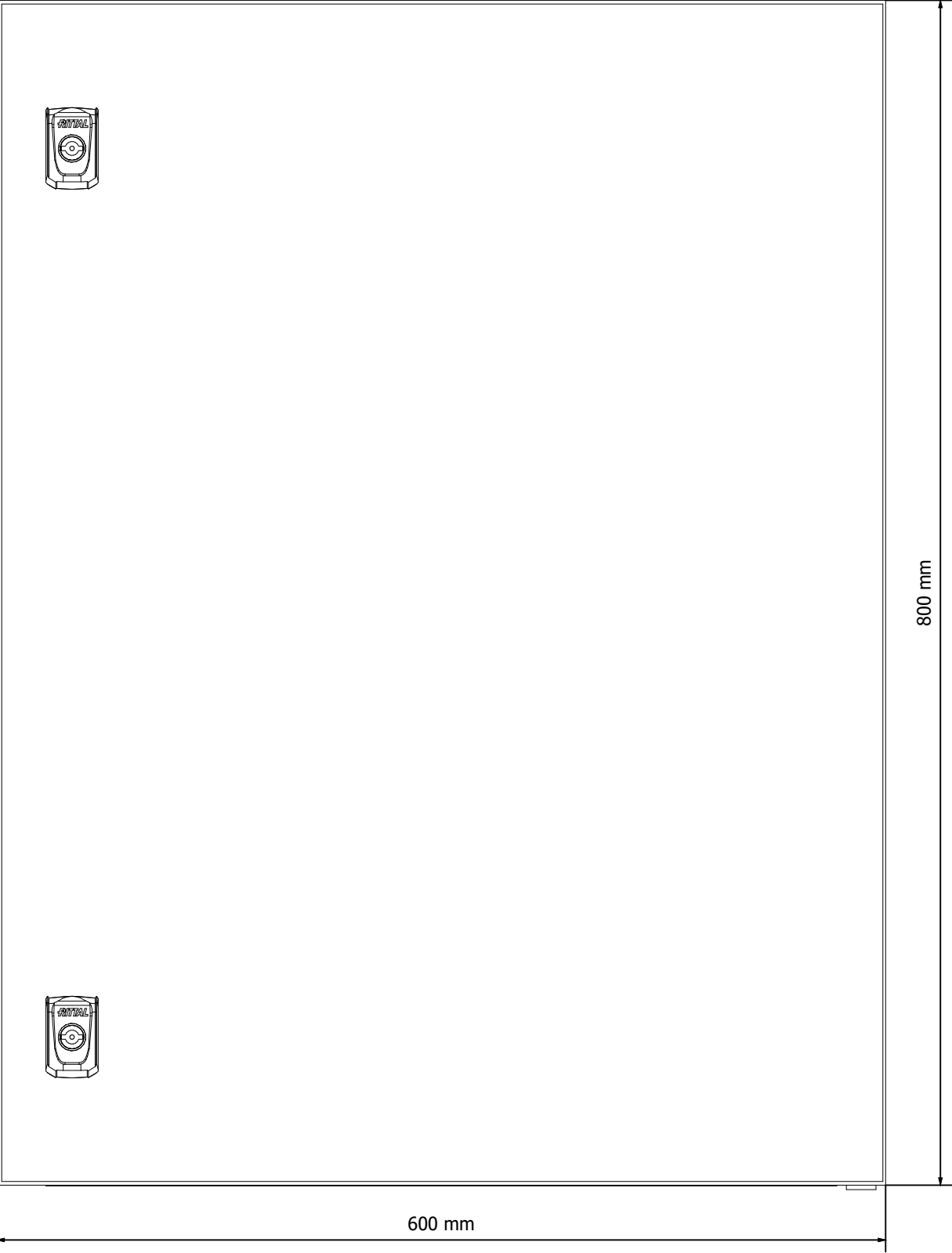
TERMINAL STRIP AND COTORS

- XP13 = Power supply terminal strip
- X24V = 24Vdc common terminal strip
- XEV = Solenoid valve terminal strip
- XHUB = Hub power supply terminal strip
- XAI = Analog input terminal strip
- X13 = Signal JB13 terminal strip
- X17 = Signal JB17 terminal strip
- X18 = Signal JB18 terminal strip
- XT = Temperature sensors terminal block

+JB17
-X17 = Signal JB17 terminal strip
-X17.A = Analog input terminal strip
+JB18
-X18 = Signal JB18 terminal strip
-X18.A = Analog input terminal strip

P13

FRONT DOOR
STAINLESS STEEL



Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PREZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

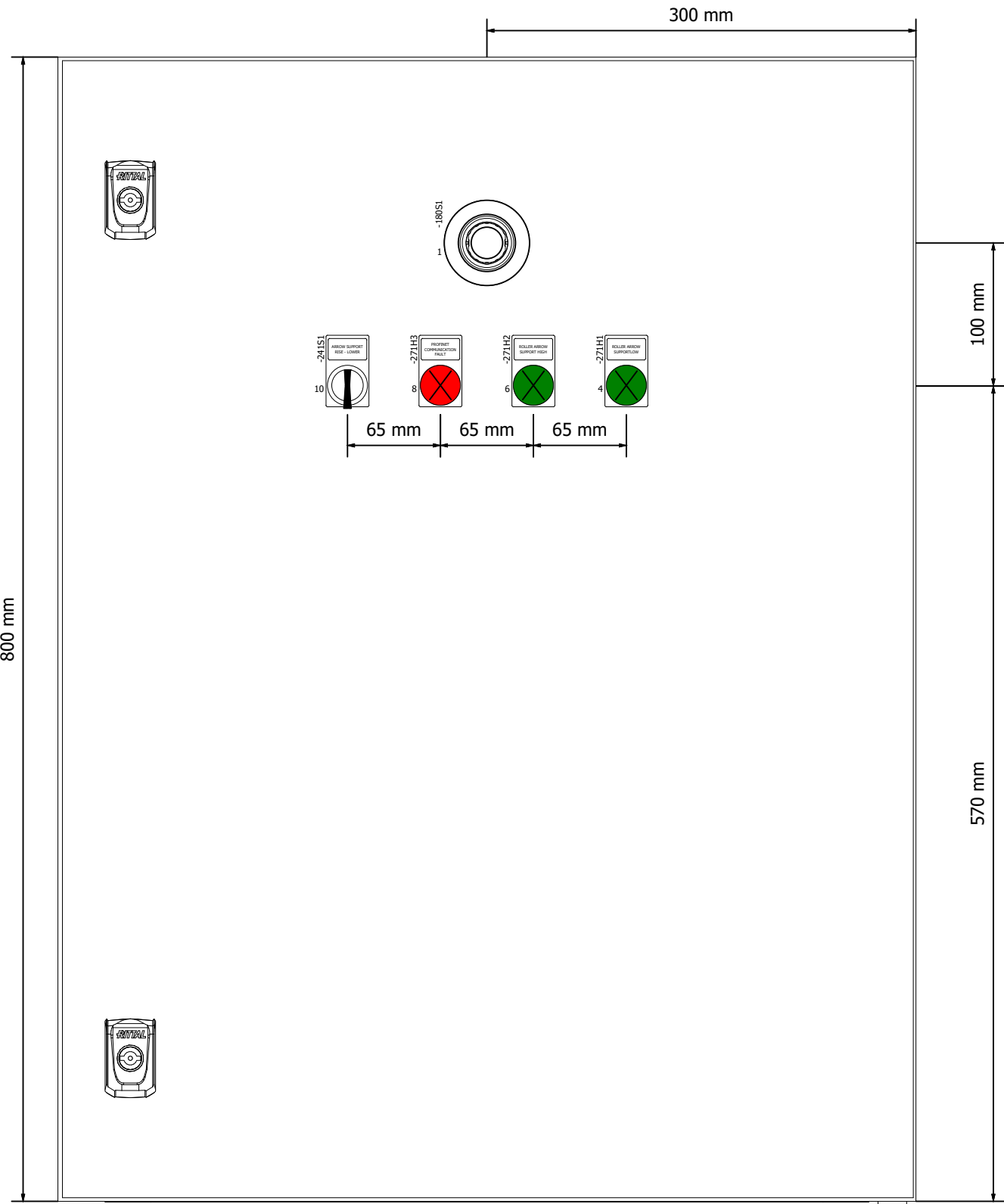
CONTINUOUS CASTER

External layout

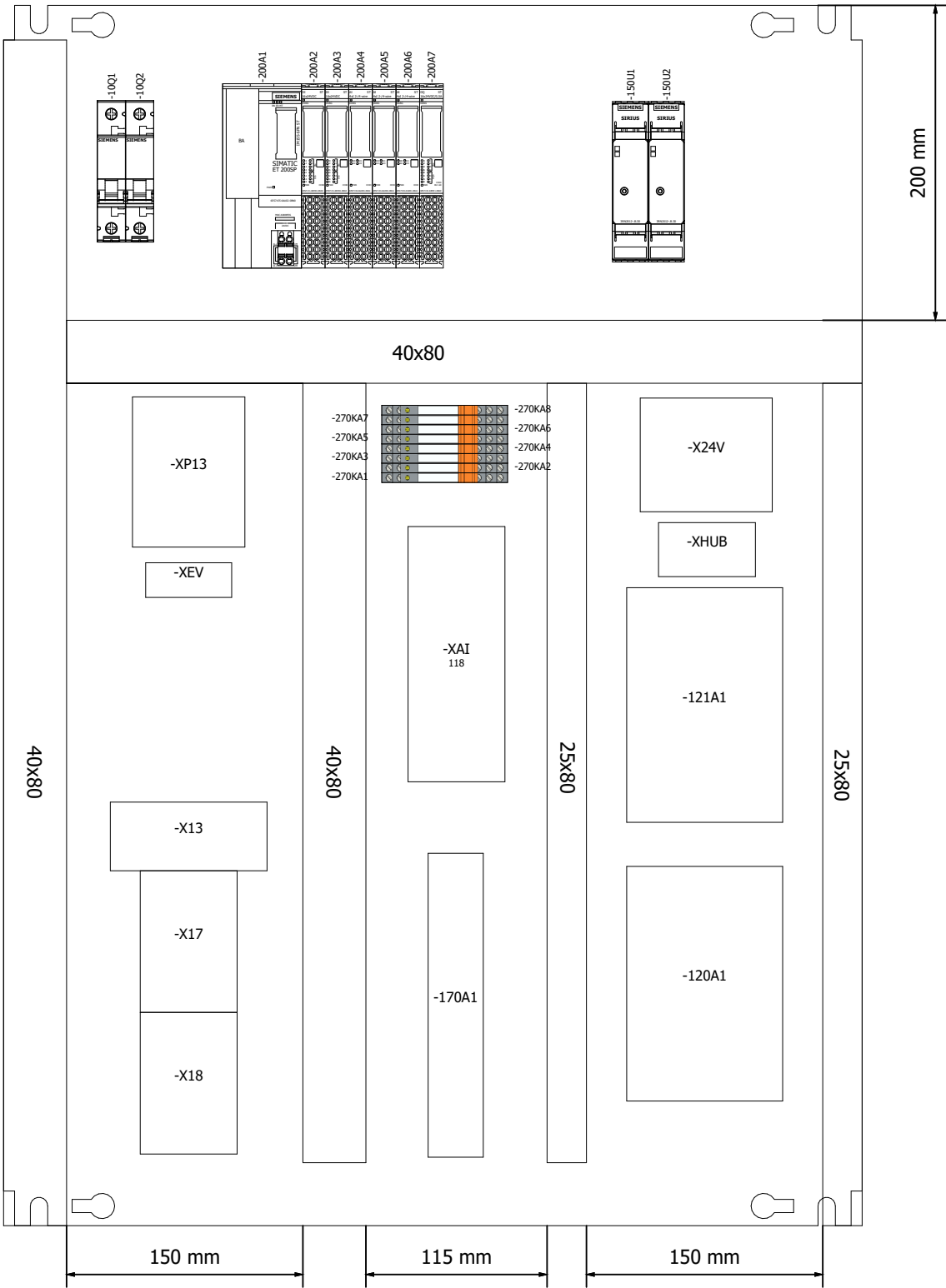
+ P13 60-04-98A		380	←
r43.51 00-2400000		390	
		→	391

P13

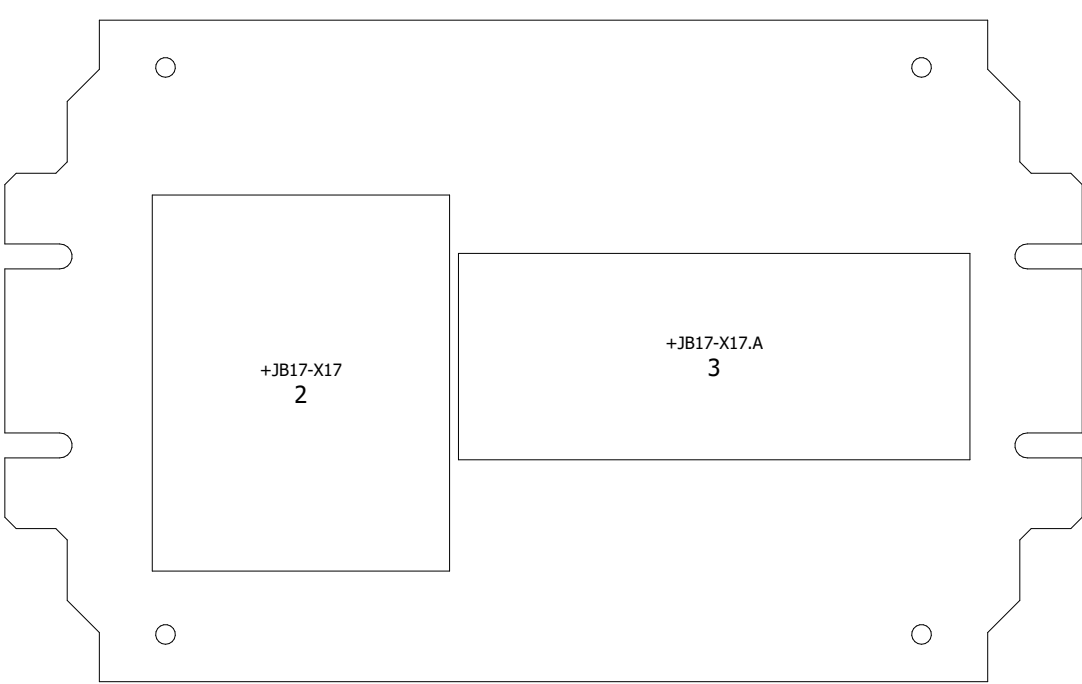
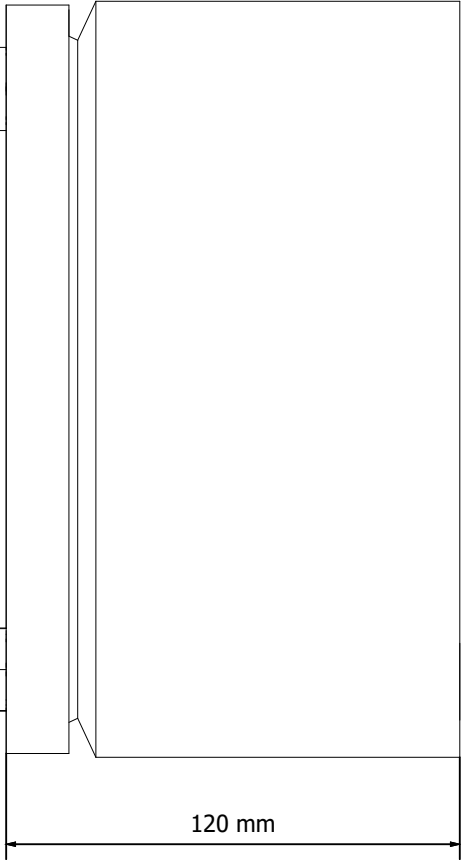
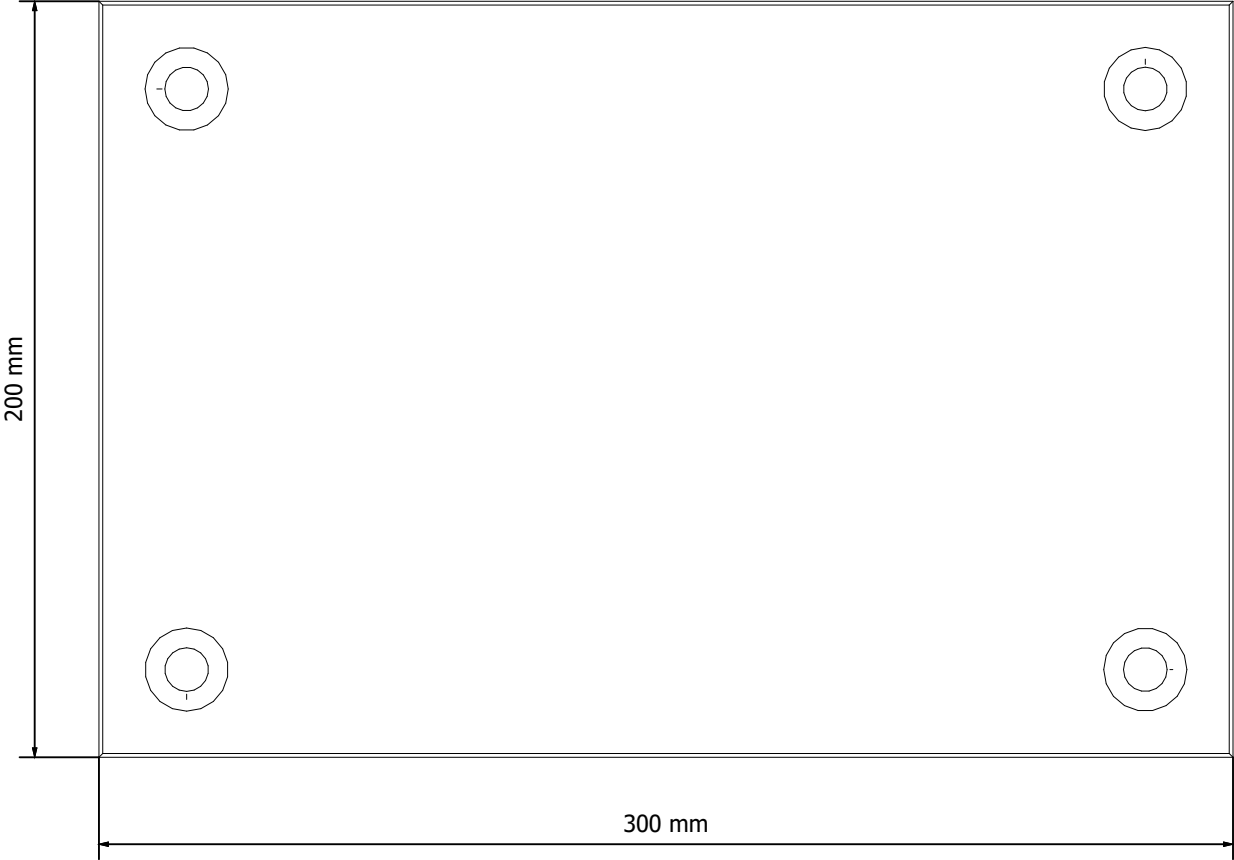
FRONT DOOR
STAINLESS STEEL



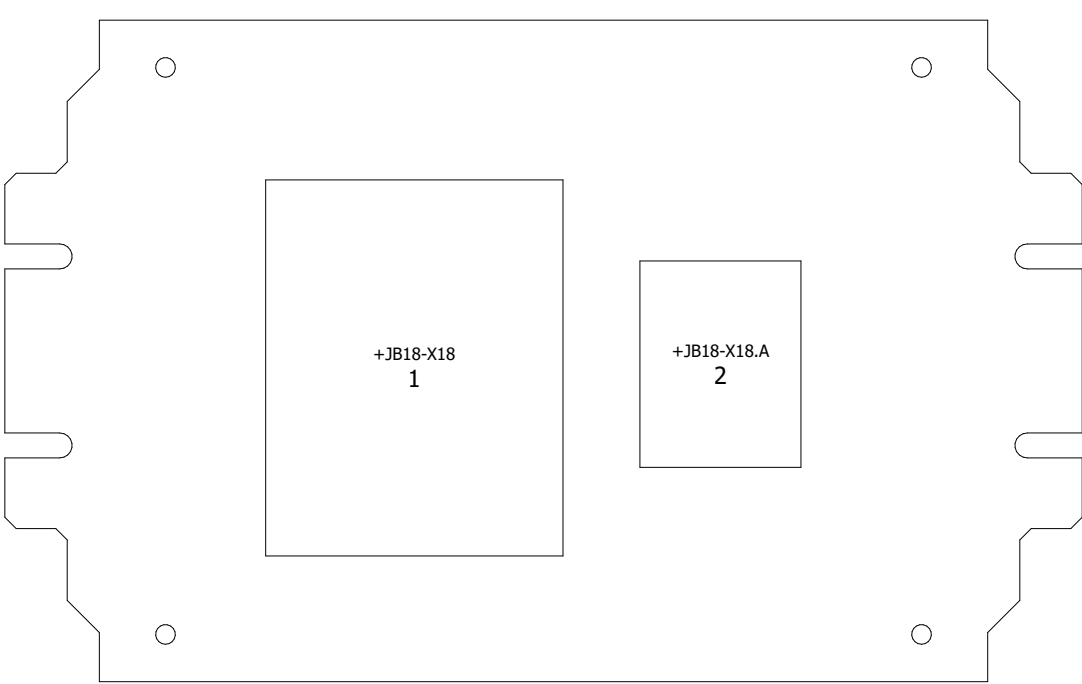
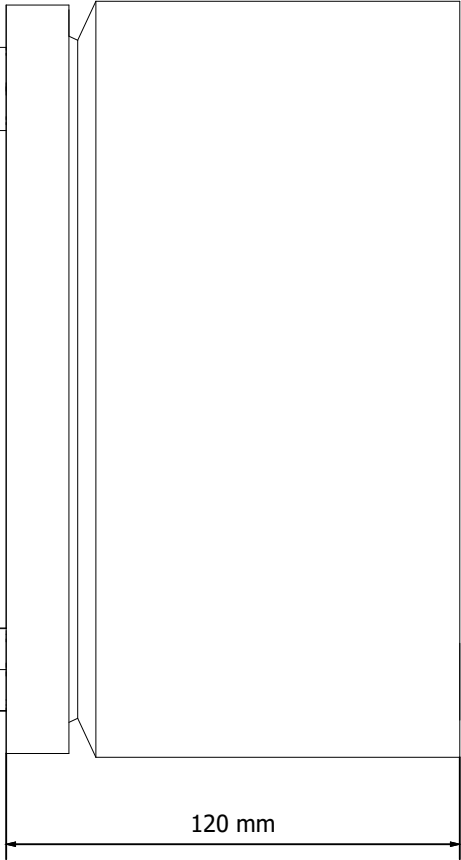
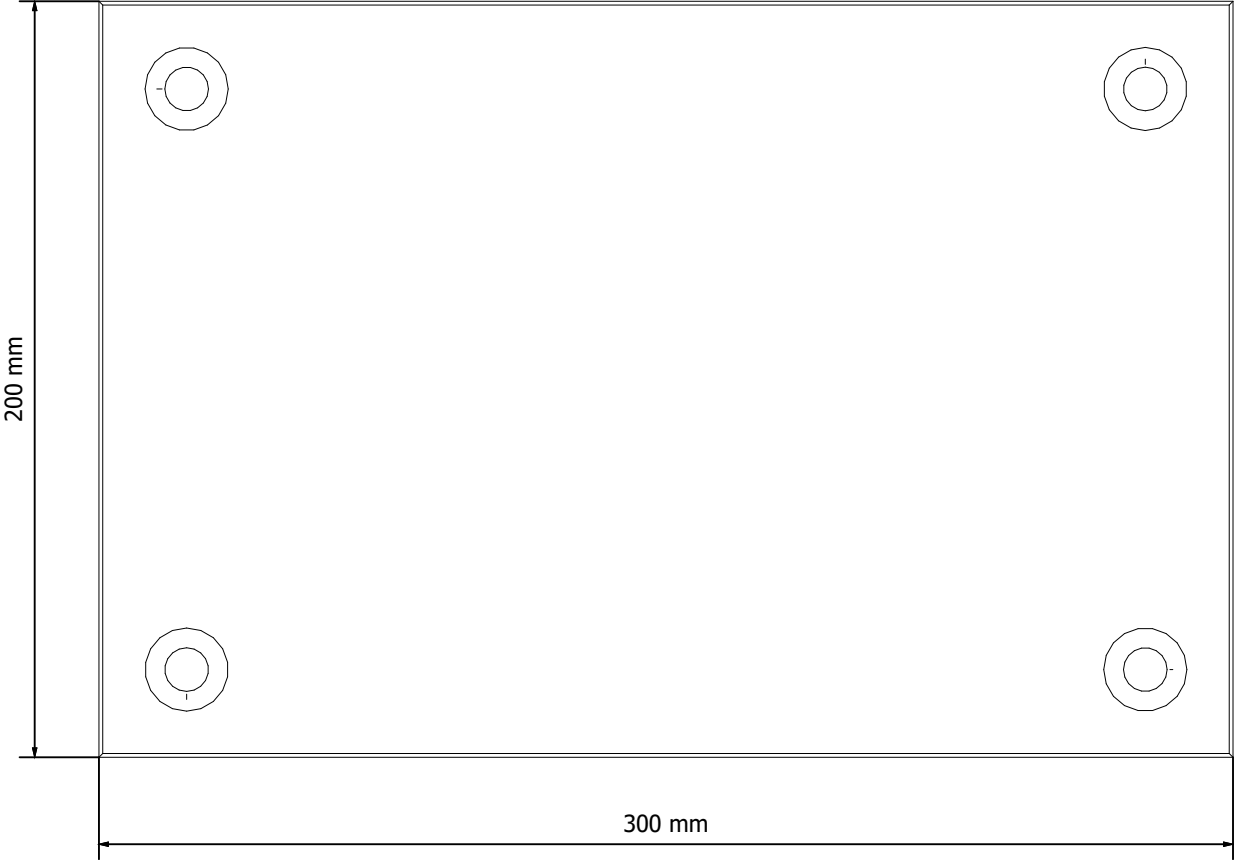
P13



JB17




JB18




Terminal diagram


[illegible]


Date	13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P13-X13	+ P13 60-04-98A		&SCH/395 ←
Ed.	UTE					r43.51	00-2400000	400
Rev	08/08/2025	08/08/2025						→ 401
Rev	1	=> 1						


Terminal diagram


										External Designation										Designation Internal					
Function text	Cable name									=+P13-X24V									Cable name	Page / column					
	Cable type									24Vdc common terminal strip									Cable type						
										Component Internal	Filo Wire External Internal	Terminal	Jumper	Tipo Type	Component										
DISTRIBUTION 24Vdc P13										-150U1	10.01 10.01	1	•	2,5	-10Q1				&SCH/15.1						
										-XHUB															
										-XHUB															
DISTRIBUTION 24Vdc P13										-200A2	10.01 10.01	1	•	2,5	-200A1				&SCH/15.1						
										-X17															
										-241S1															
DISTRIBUTION 24Vdc P13										-X13	10.01 10.01	1	•	2,5	-150U1				&SCH/15.1						
										-X18															
										-XP13															
DISTRIBUTION 24Vdc P13										-XAI	10.01 10.01	1	•	2,5	-XAI				&SCH/15.2						
										-XAI															
										-XAI															
DISTRIBUTION 24Vdc P13										-XAI	10.01 10.01	1	•	2,5	-XAI				&SCH/15.2						
										-200A4															
										-270KA1															
DISTRIBUTION 24Vdc P13											10.01	1	•	2,5	-200A7				&SCH/15.3						
=										-170A1	10.02 10.02	2	•	2,5	-10Q2				&SCH/15.4						
=										-XP13	0V 0V	3	•	2,5	-XP13				&SCH/15.6						
										-150U1															
										-XHUB															
DISTRIBUTION 24Vdc P13										-170A1	0V 0V	3	•	2,5	-XHUB				&SCH/15.7						
										-200A1															
										-X17															
DISTRIBUTION 24Vdc P13										-X13	0V 0V	3	•	2,5	-200A2				&SCH/15.7						
										-X18															
										-200A4															
DISTRIBUTION 24Vdc P13										-200A5	0V 0V	3	•	2,5	-XAI				&SCH/15.8						
										-XAI															
										-XAI															
DISTRIBUTION 24Vdc P13										-XAI	0V 0V	3	•	2,5	-XAI				&SCH/15.8						


13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P13-XAI	+ P13 60-04-98A		404 ←
UTE							404.a
08/08/2025	08/08/2025						→ 404.b
1	=> 1				r43.51	00-2400000	


13/06/2025		 <div>BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+P13-XAI	+ P13 60-04-98A		404.a ←
UTE							404.b
08/08/2025	08/08/2025						→ 404.c
1	=> 1				r43.51	00-2400000	

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P13-XP13	+ P13 60-04-98A		406
UTE							
08/08/2025	08/08/2025						40
1	=> 1				r43.51	00-2400000	40

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+JB17-X17	+ P13 60-04-98A		409 ←
UTE					r43.51	00-2400000	409.a
08/08/2025	08/08/2025						
1	=> 1						

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+JB17-X17.A	+ P13 60-04-98A		410 ←
UTE					r43.51	00-2400000	410.a → 411
08/08/2025	08/08/2025						
1	=> 1						

13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+JB18-X18	+ P13 60-04-98A		410.a
UTE							
08/08/2025	08/08/2025						411
1	=> 1				r43.51	00-2400000	411.a

13/06/2025		 <div>BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram = +JB18-X18.A	+ P13 60-04-98A		411.a ←
UTE					r43.51	00-2400000	412
08/08/2025	08/08/2025						→ &DIST/500
1	=> 1						

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-10Q2	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-XP13	5	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
-XP13	2	Feed-through terminal	ST 10-PE	Phoenix Contact	PXC.3036136
-X24V	14	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-120A1	1	Hub Module DME20	6SL3055-0AA00-6AB0	Siemens	SIE.6SL3055-0AA00-6AB0
-120A1	1	Plug	6GK1907-0DC10-6AA3	Siemens	SIE.6GK1907-0DC10-6AA3
-XHUB	2	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XHUB	2	Fuse 5x20	0103153	Italweber	IW.0103153
-XHUB	2	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-121A1	1	Hub Module DME20	6SL3055-0AA00-6AB0	Siemens	SIE.6SL3055-0AA00-6AB0
-150U1	1	SIRIUS Thermistor motor protection relay	3RN2012-1BA30	Siemens	SIE.3RN2012-1BA30
-150U2	1	SIRIUS Thermistor motor protection relay	3RN2012-1BA30	Siemens	SIE.3RN2012-1BA30
-XT	4	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-170A1	1	DRIVE MOTOR	JXCP1	SMC	SMC.JXCP1
-180S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-180S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-180S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-180S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-XP13	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A2	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A4	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A4	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A5	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A6	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A7	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A7	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-X17	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X17	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X17	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-241S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-241S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-X13	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X13	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X13	5	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
-X18	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X18	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X18	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	27	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	6	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XAI	6	Fuse 5x20	0101001	Italweber	IW.0101001
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-270KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XEV	2	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-271H1	1	Lamp	ZB4BV033	Schneider Electric	SE.ZB4BV033
-271H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-271H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-271H2	1	Lamp	ZB4BV033	Schneider Electric	SE.ZB4BV033
-271H2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-271H2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-271H3	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-271H3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H3	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-271H3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-390M1	1	AX compact box	AX.1058000	Rittal	RIT.1058000
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
-200A1	1	IM 155-6 PN ST	6ES7155-6AU02-0BN0	Siemens	SIE.6ES7155-6AU02-0BN0
+JB17-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB17-X17	13	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
+JB17-X17.A	24	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
+JB17-394M1	1	KX Box	KX.1503000	Rittal	RIT.1503000
+JB17-394M1	1	Mounting plate	KX.1563800	Rittal	RIT.1563800
+JB17-394M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010
+JB18-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+JB18-X18	13	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
+JB18-X18.A	6	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
+JB18-395M1	1	KX Box	KX.1503000	Rittal	RIT.1503000
+JB18-395M1	1	Mounting plate	KX.1562800	Rittal	RIT.1562800
+JB18-395M1	1	Wall mounting bracket	KX.1590010	Rittal	RIT.1590010

AL INVEST

Designation system

CONTINUOUS CASTER

Job : 00-2400000

Mounting location:

P31 BOX WATER PUMP

Drawing : 60-04-91A

Power supply

400Vac 50Hz

Input lead

3ph + PE

Auxiliary voltage

230Vac - 24Vdc









Year of manufacture

2025

5		
4		
3		
2		
1	08/08/2025	SECOND ISSUED
0	13/06/2025	FIRST ISSUED
Rev.	Date	Description

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WIRES COLOR TABLE

 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

0		1		2		3		4		5		6		7		8	
Table of contents																	
Assignment				Page		Page description								Revision		Edited by	
+P31				BOX WATER PUMP													
				1		COVER								1		UTE	
				2		WIRES COLOR TABLE								1		UTE	
				4		Table of contents								1		UTE	
				4.a		Table of contents								1		UTE	
				10		Supply Line								1		UTE	
				15		Distribution 24Vdc								1		UTE	
				150		Pump temperature relay								1		UTE	
				180		Push button								1		UTE	
				198		HMI								1		UTE	
				200		PLC								1		UTE	
				240		Digital inputs								1		UTE	
				241		Digital inputs								1		UTE	
				242		Digital inputs								1		UTE	
				243		Digital inputs								1		UTE	
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				245		Digital inputs								1		UTE	
				246		Digital inputs								1		UTE	
				247		Digital inputs								1		UTE	
				260		Analog input								1		UTE	
				261		Analog input								1		UTE	
				262		Analog input								1		UTE	
				263		Analog input								1		UTE	
				270		Digital outputs								1		UTE	
				271		Digital outputs								1		UTE	
272		Digital outputs								1		UTE					
273		Digital outputs								1		UTE					
290		Analog output								1		UTE					
380		Terminal strip								1		UTE					


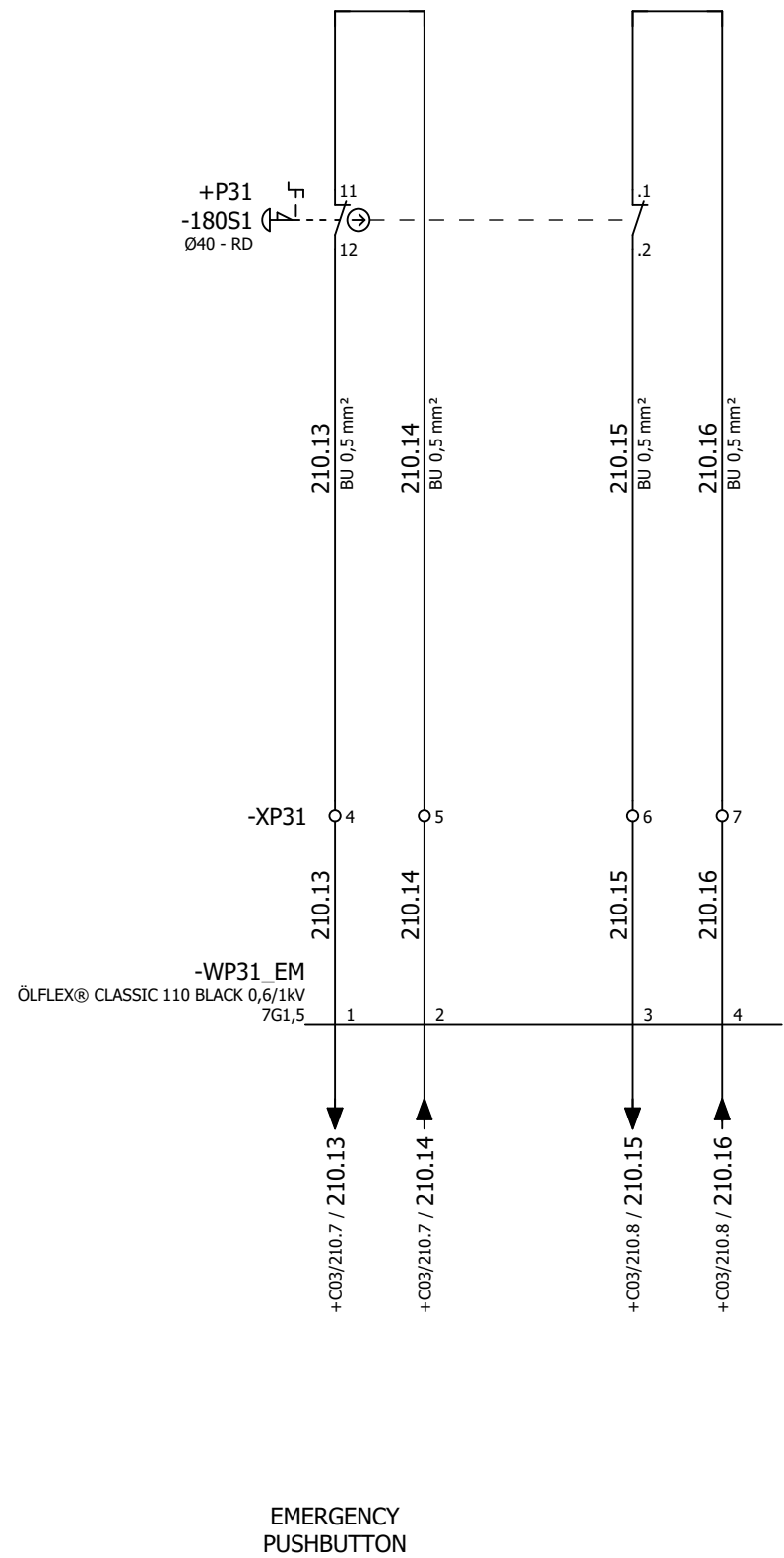
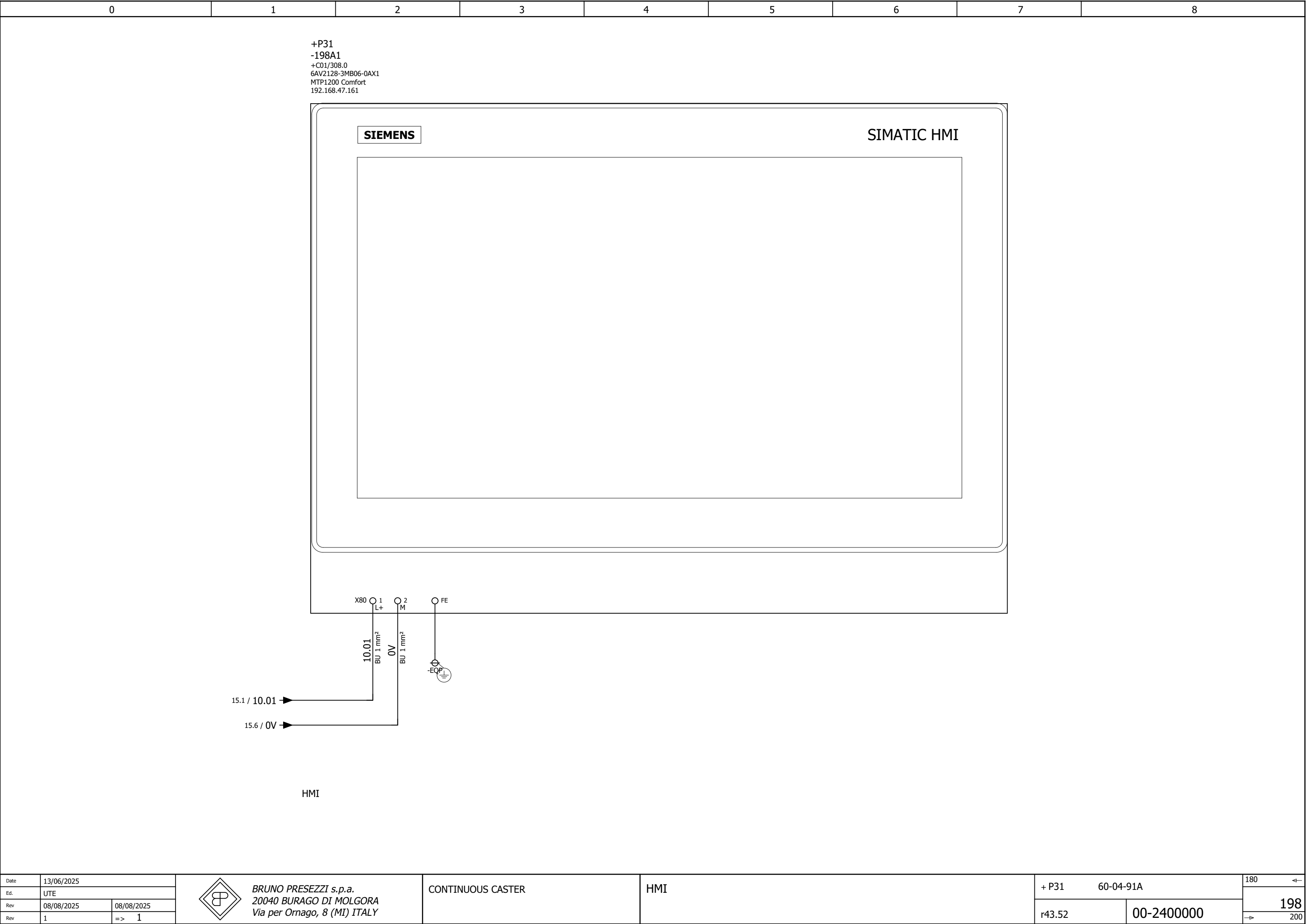
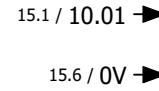
ate	13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER		Table of contents		+ P31 60-04-91A		2	<	
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ev	08/08/2025	08/08/2025						r43.52		00-2400000	4.a	→
ev	1	=> 1										

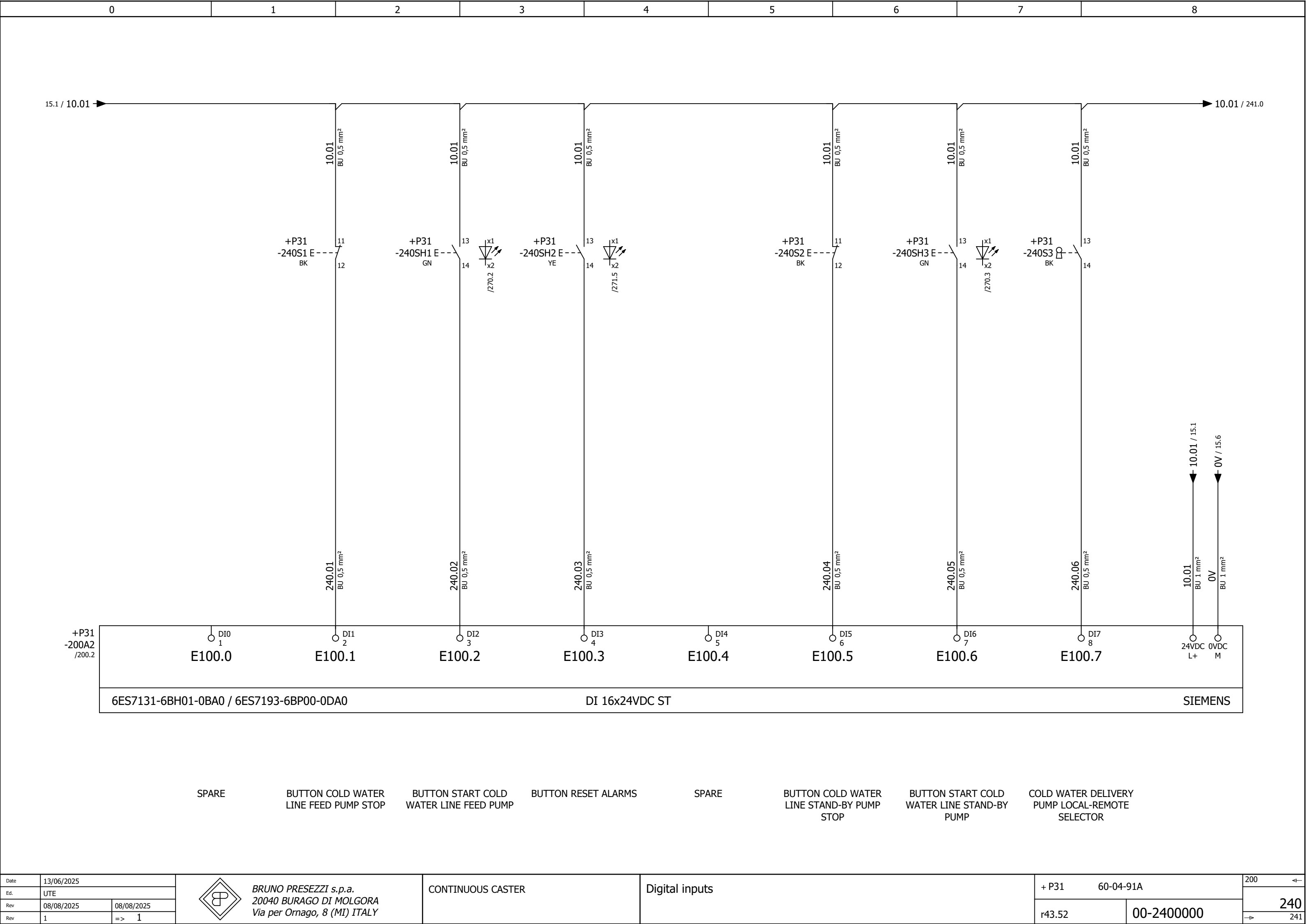
Table of contents

Assignment	Page	Page description	Revision	Edited by
+P31		BOX WATER PUMP		
	390	External layout	1	UTE
	391	External layout	1	UTE
	393	Internal layout	1	UTE
	396	Layout +JB31	1	UTE
	400	Terminal diagram =+P31-X24V	1	UTE
	400.a	Terminal diagram =+P31-X24V	1	UTE
	401	Terminal diagram =+P31-X31	1	UTE
	402	Terminal diagram =+P31-X50	1	UTE
	403	Terminal diagram =+P31-XA	1	UTE
	404	Terminal diagram =+P31-XAI	1	UTE
	404.a	Terminal diagram =+P31-XAI	1	UTE
	404.b	Terminal diagram =+P31-XAI	1	UTE
	404.c	Terminal diagram =+P31-XAI	1	UTE
	405	Terminal diagram =+P31-XEV	1	UTE
	406	Terminal diagram =+P31-XEXT1	1	UTE
	407	Terminal diagram =+P31-XEXT2	1	UTE
	408	Terminal diagram =+P31-XEXT3	1	UTE
	409	Terminal diagram =+P31-XP31	1	UTE
	410	Terminal diagram =+P31-XT	1	UTE
	411	Terminal diagram =+P31-XTS	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE
	500.c	Parts list	1	UTE
	500.d	Parts list	1	UTE









Date

13/06/2025

Ed.

UTE

Rev

08/08/2025

08/08/2025

Rev

1

=> 1

BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ P31

60-04-91A

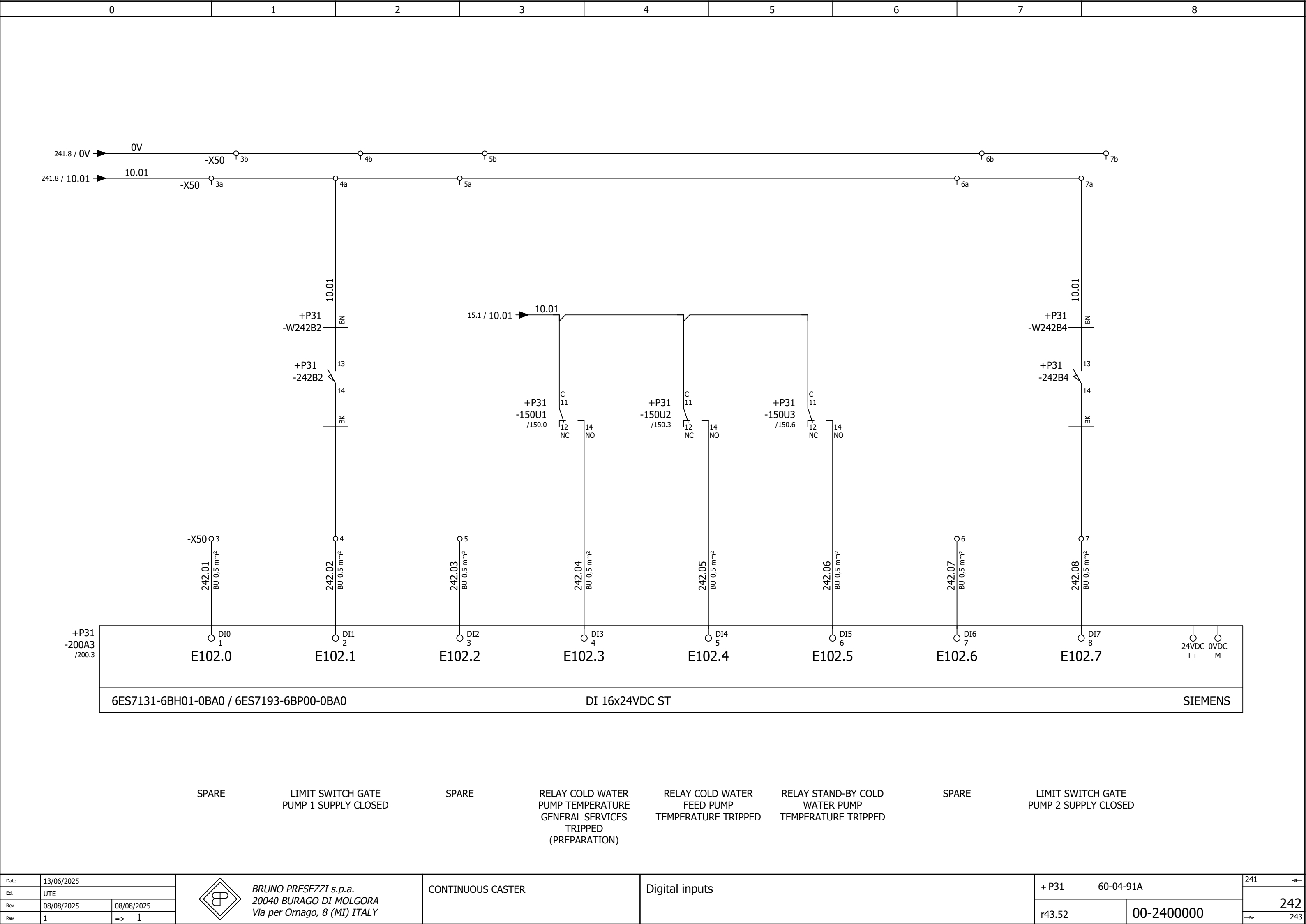
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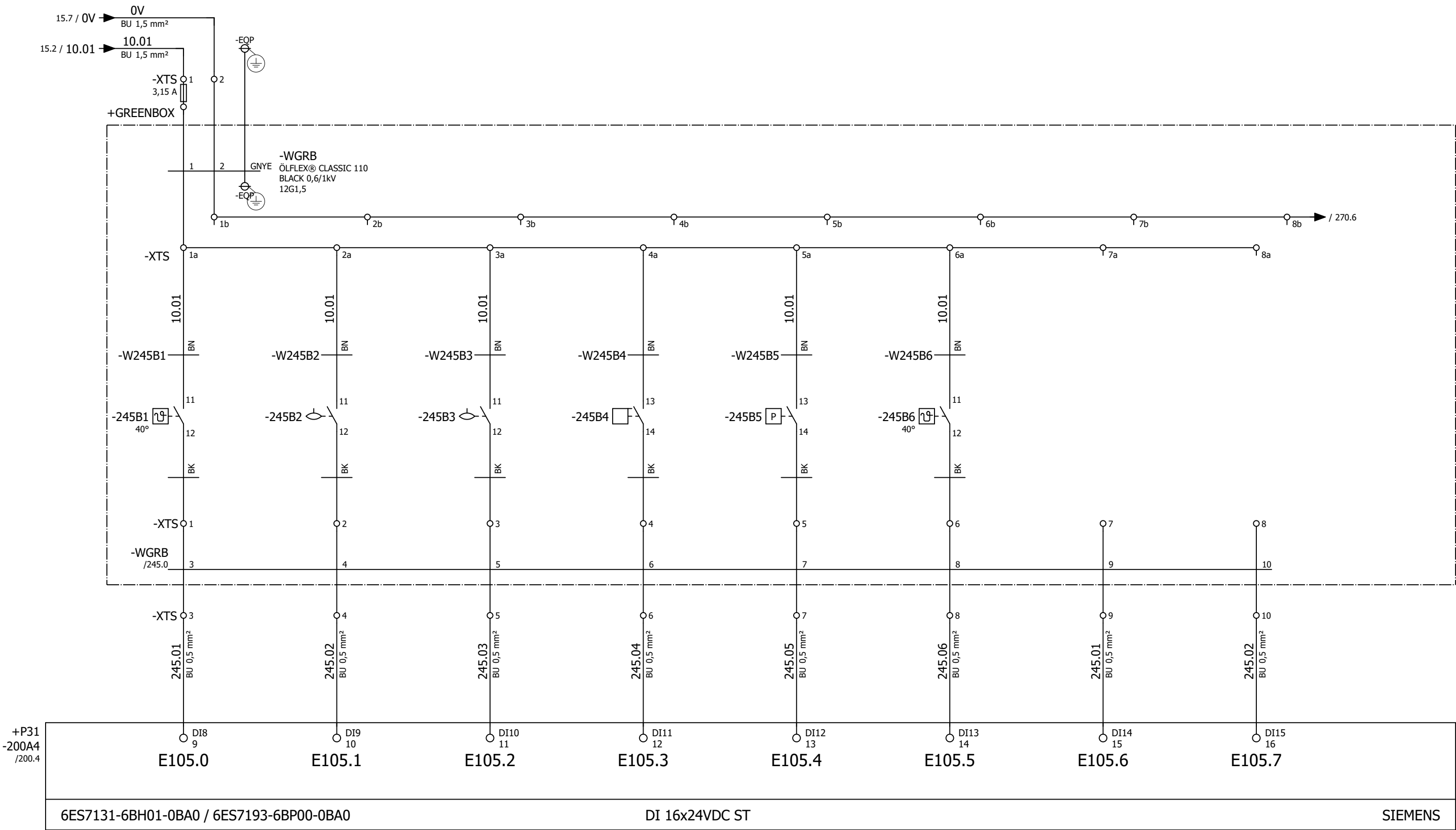
00-2400000

200

240

241





THERMOSTAT SAFETY
TS2

LEVEL SWITCH
MINIMUM SL1MIN

LEVEL SWITCH
MINIMUM SL1MAX

FLOW SWITCH WATER
SF1

WATER PRESSURE
SWITCH SPD1
(OPTIONAL)

THERMOSTAT SAFETY
TS1

SPARE

SPARE

Date	13/06/2025	
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Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

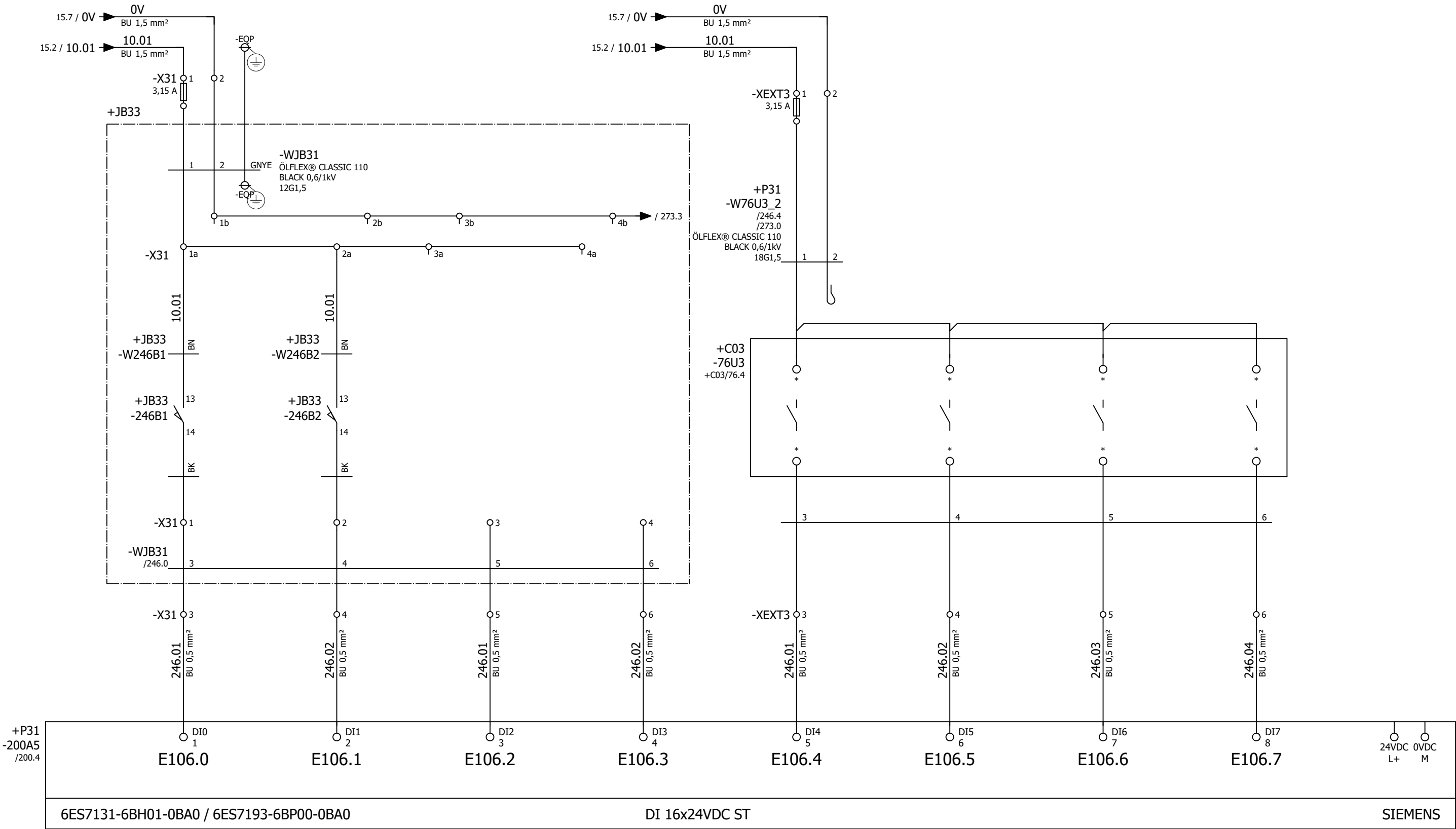
CONTINUOUS CASTER

Digital inputs

+ P31 60-04-91A

r43.52

00-2400000



LIMIT SWITCH VALVE
PUMP 1 DELIVERY
CLOSED AUXILIARY
SKID

LIMIT SWITCH VALVE
PUMP 2 DELIVERY
CLOSED AUXILIARY
SKID

SPARE

SPARE

ALARM SIGNAL FROM
FILTER CLEANING UNIT 1
AUXILIARY SKID

WASHING SIGNAL FROM
FILTER CLEANING UNIT 1
AUXILIARY SKID

FILTRATION SIGNAL FROM
FILTER CLEANING UNIT 1
AUXILIARY SKID

SUPPLY ON SIGNAL FROM
FILTER CLEANING UNIT 1
AUXILIARY SKID

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Rev	1	=> 1



BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ P31 60-04-91A

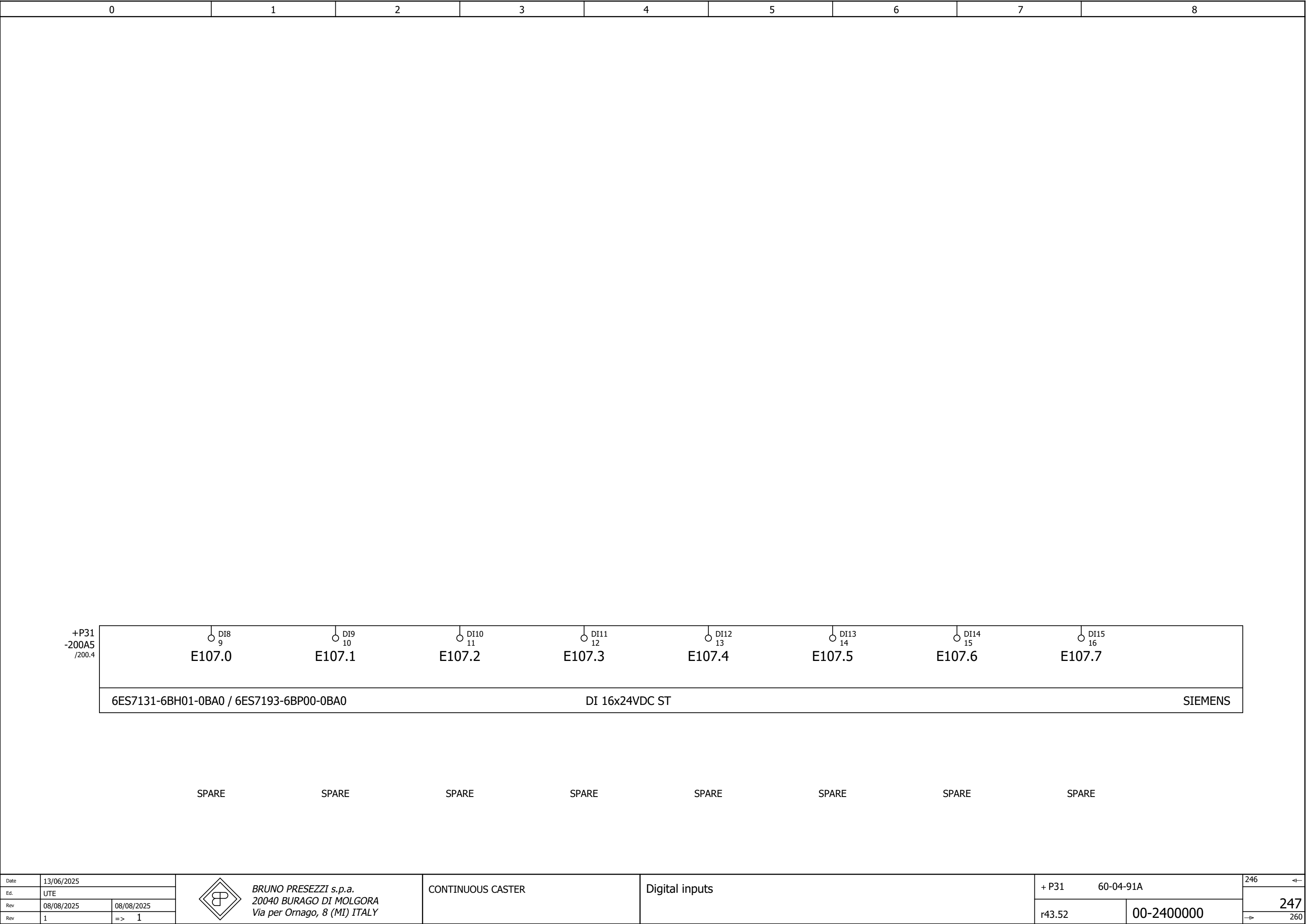
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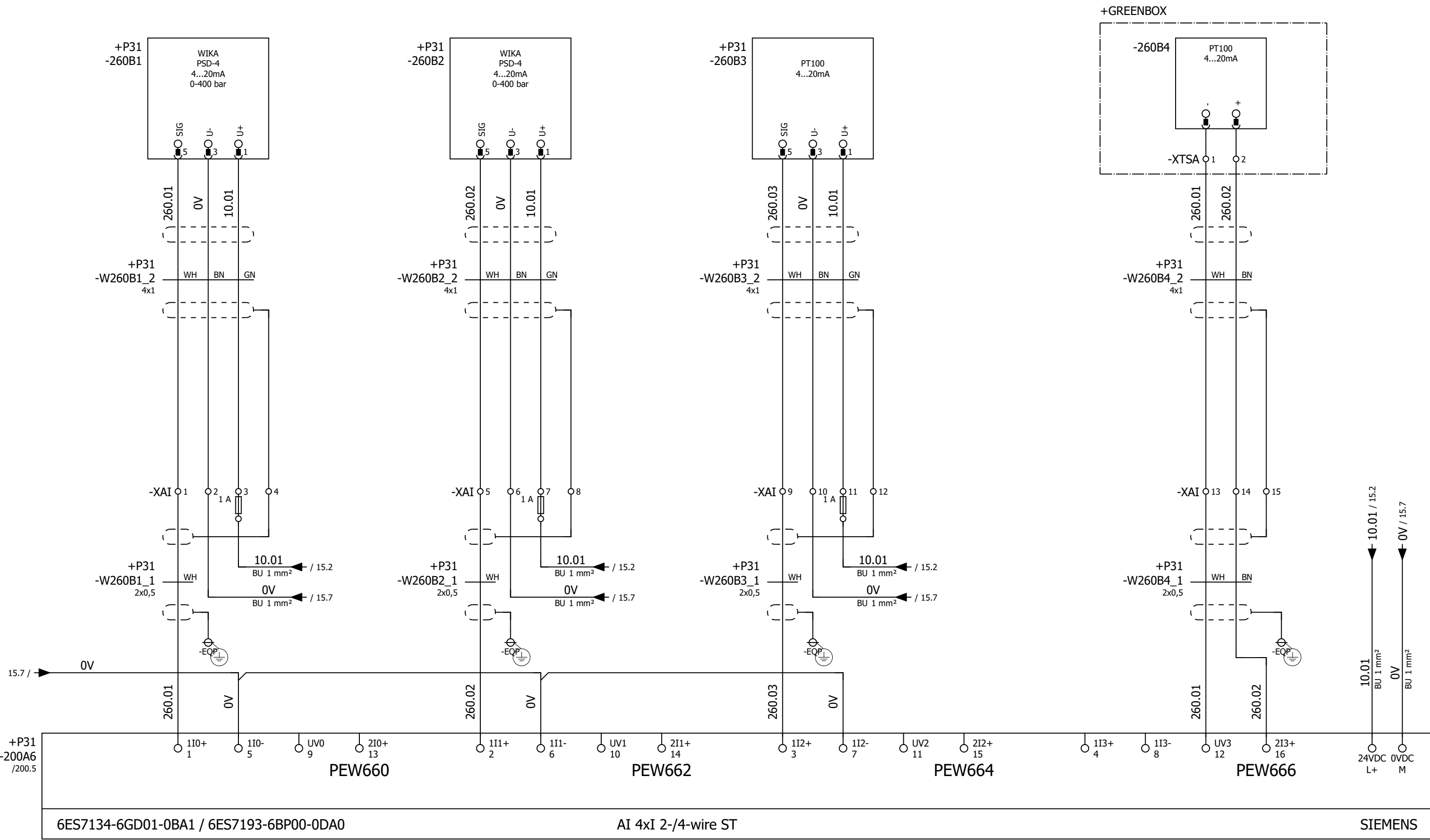
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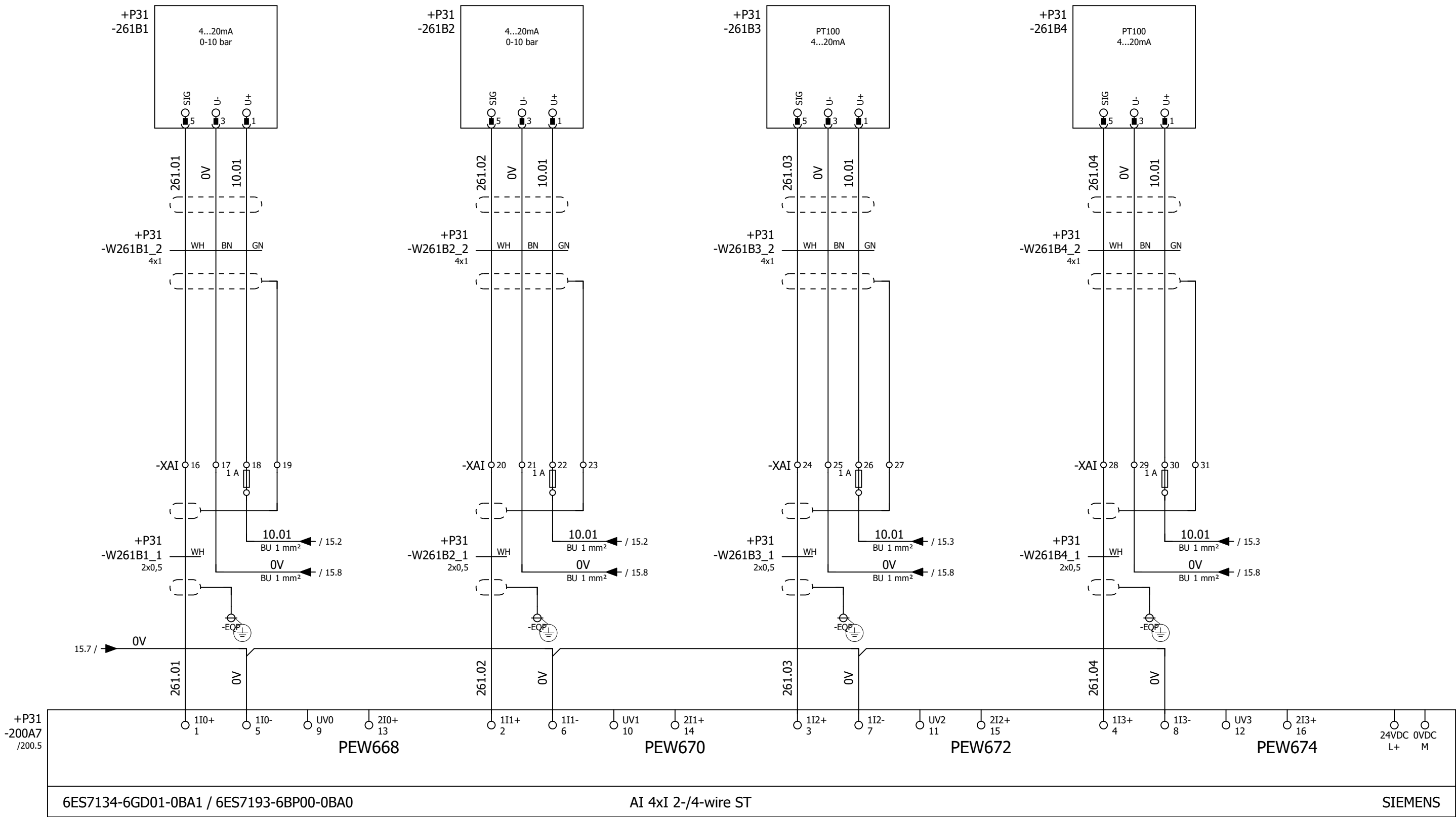
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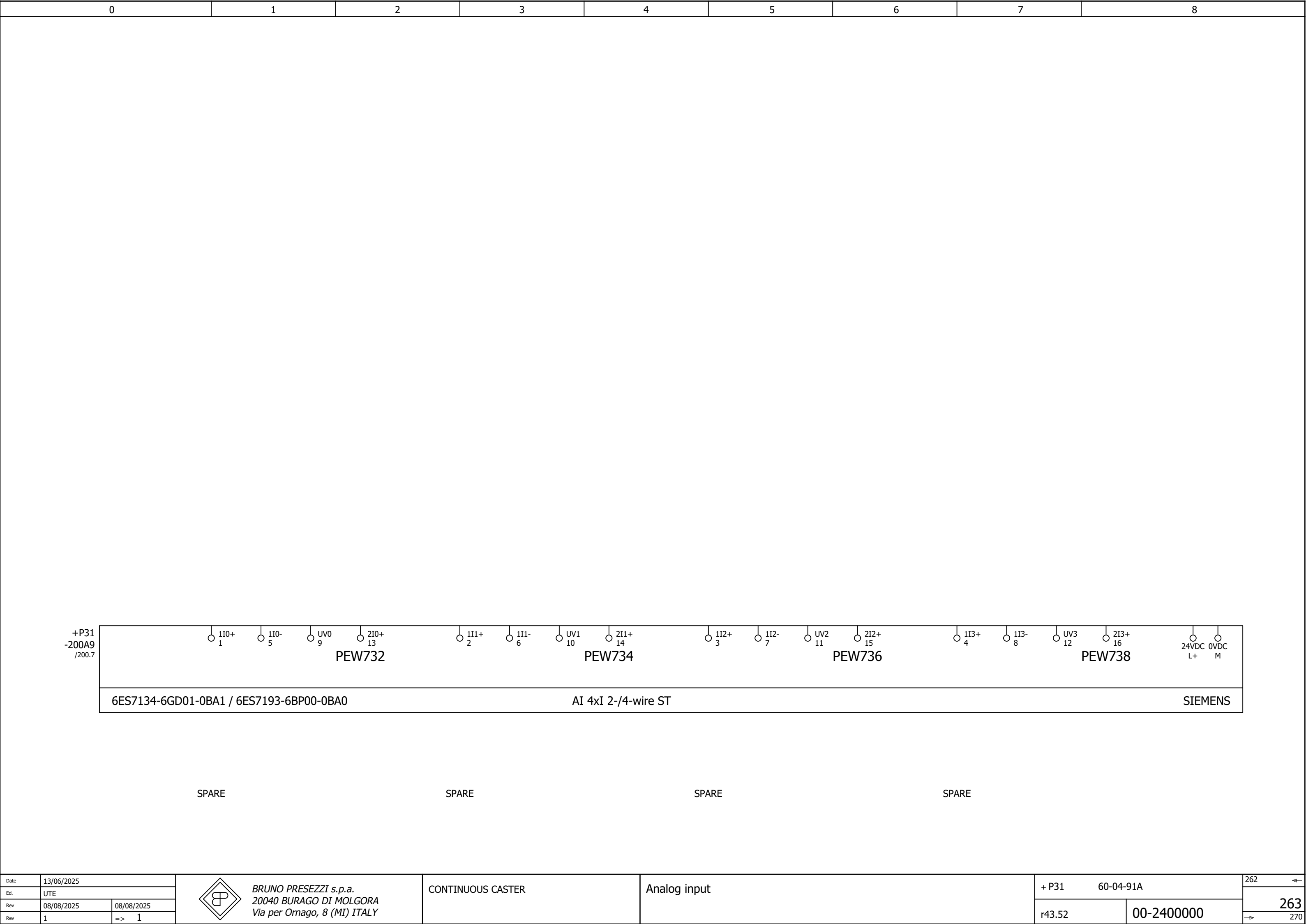
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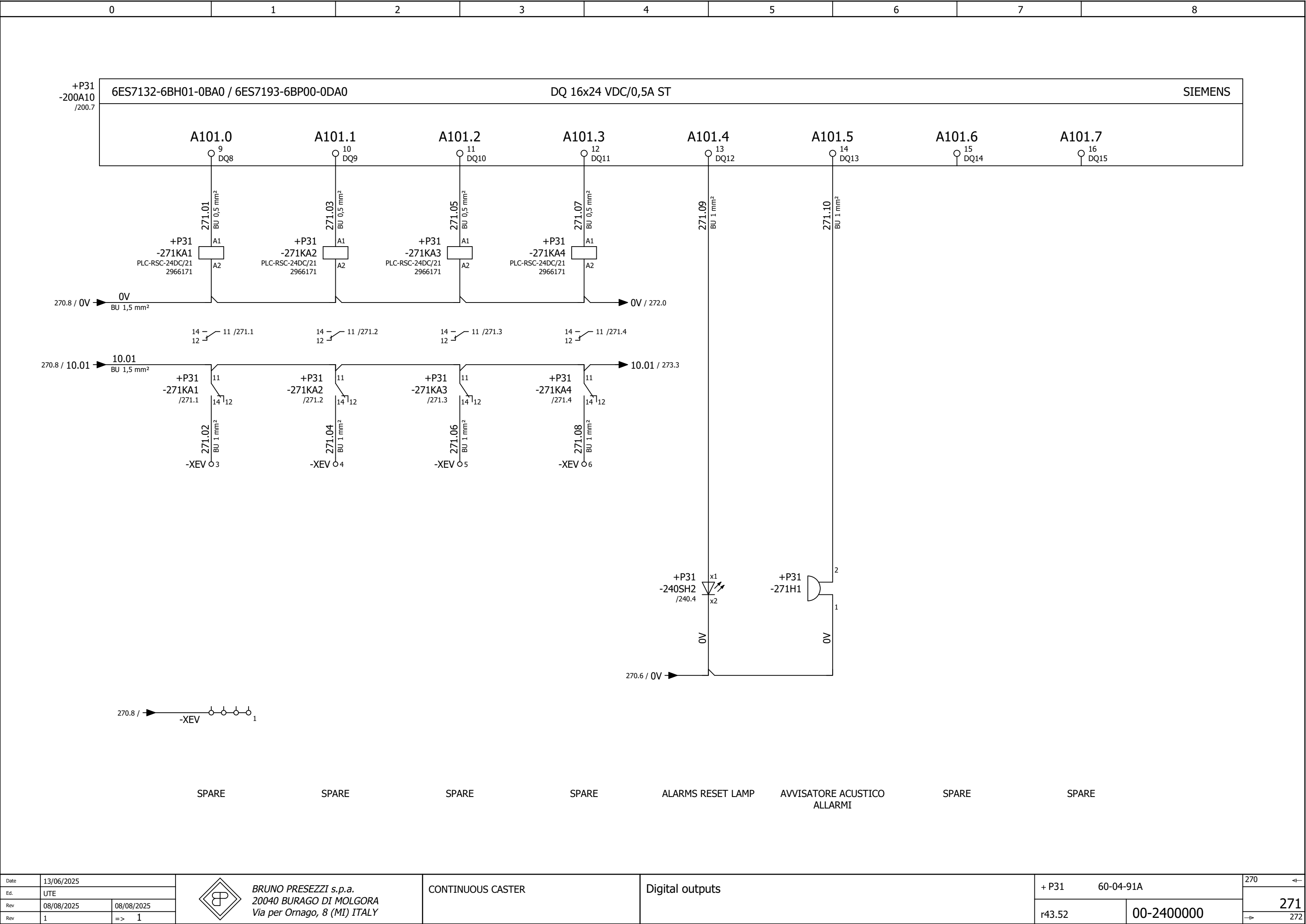


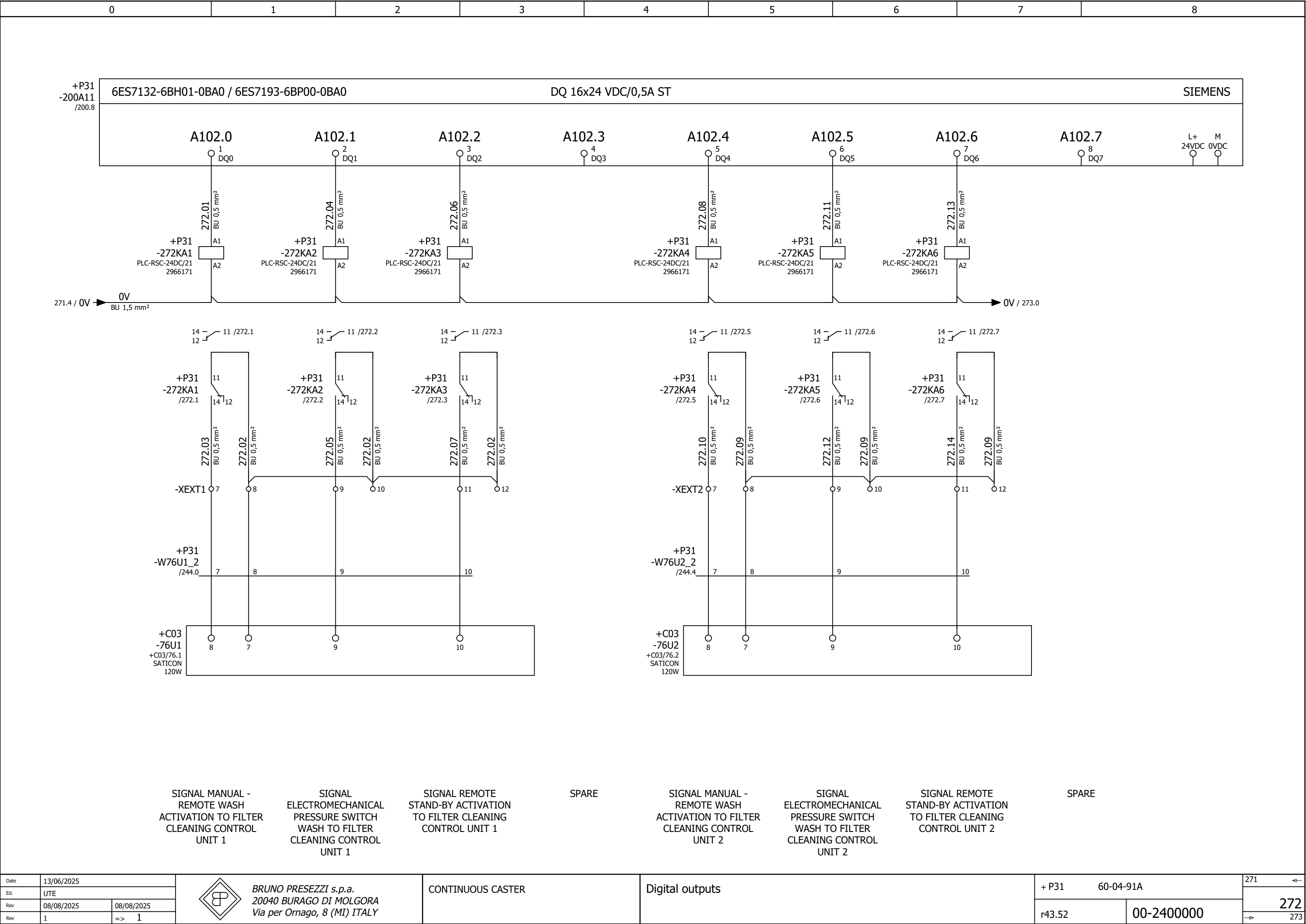


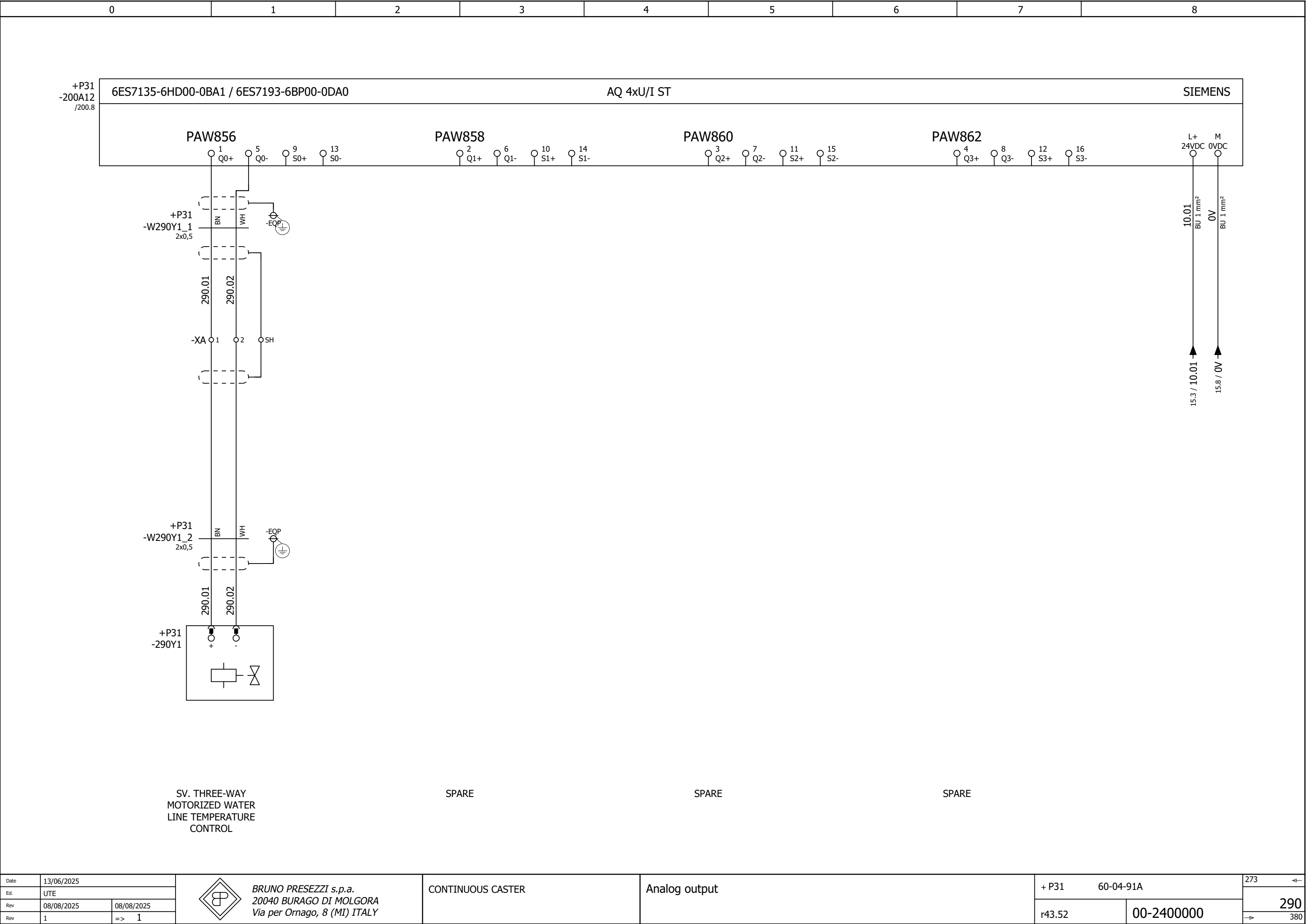












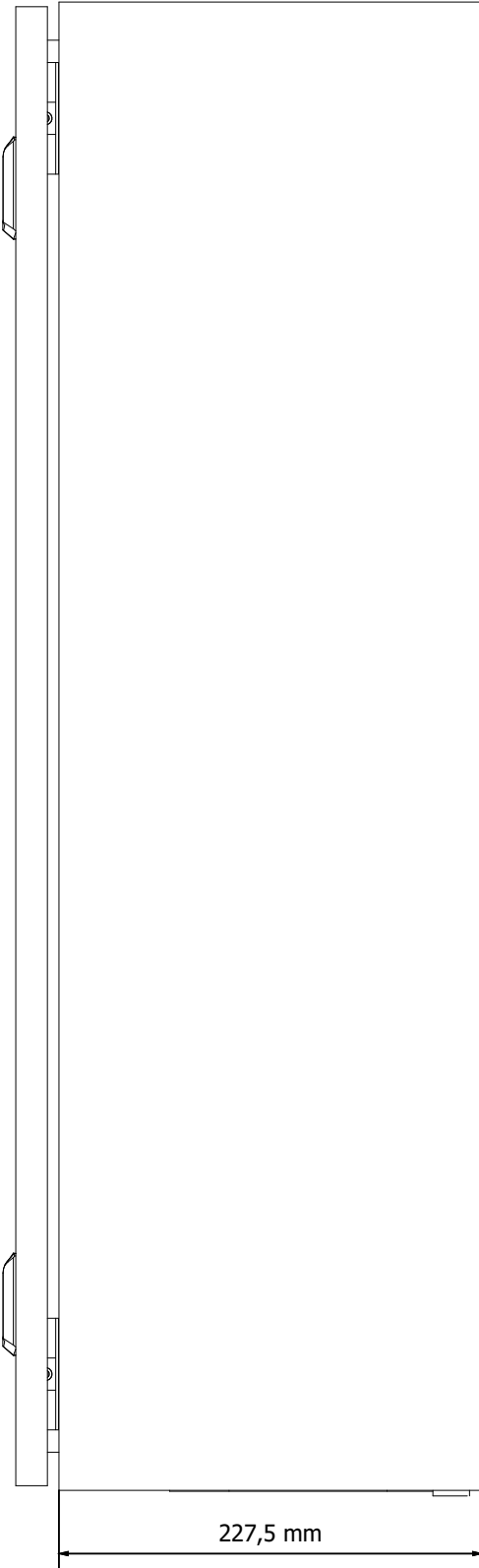
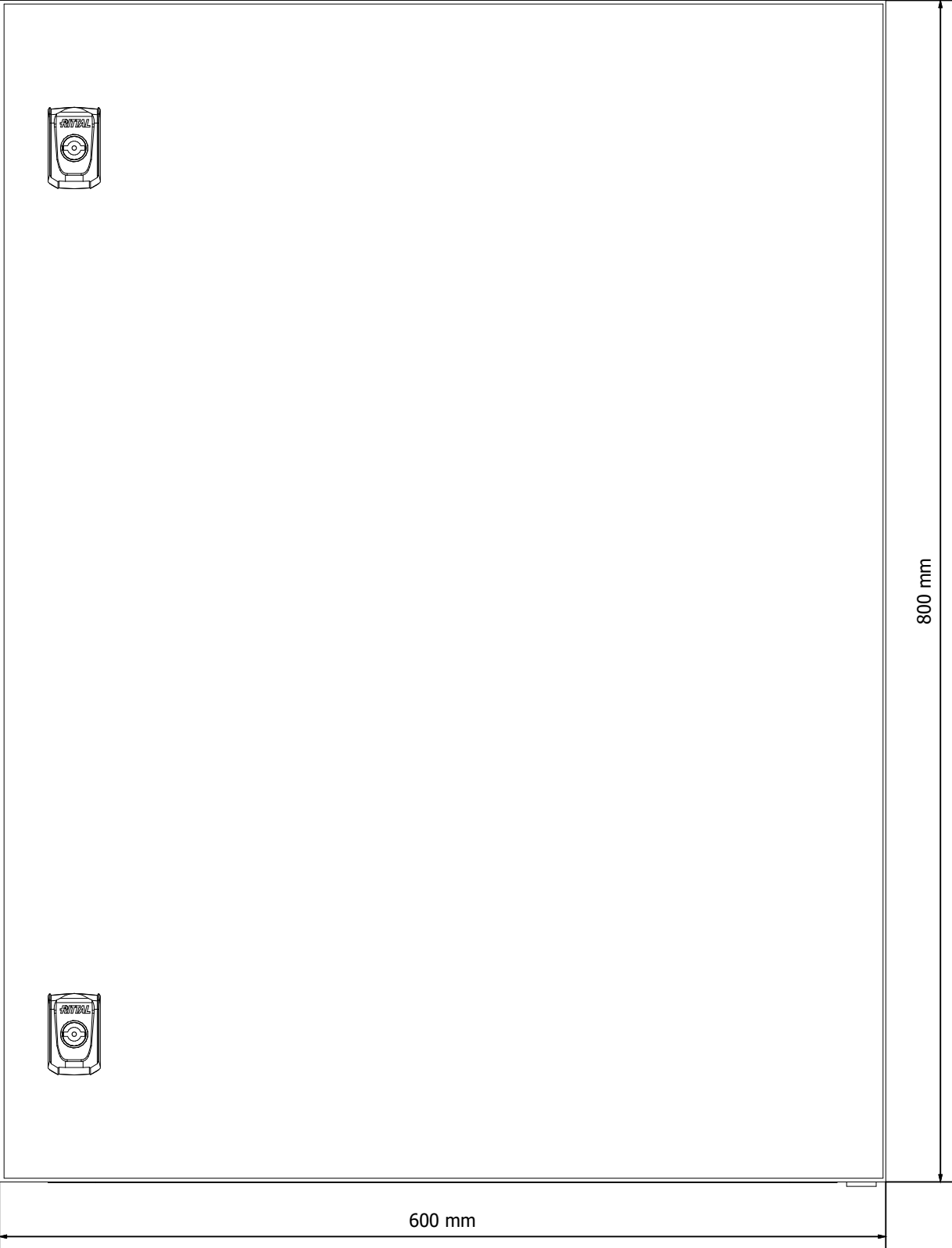
TERMINAL STRIP AND COTORS

- XP31 = Power supply terminal strip
- X24V = 24Vdc common terminal strip
- XT = Temperature sensors terminal block
- X50 = Sensors switch terminal strip
- XTS = Green box terminal block
- XEV = Solenoid valve terminal strip
- XAI = Analog input terminal strip
- XA = Analog output terminal block
- X31 = Signal JB31 terminal strip
- XEXT1 = Terminal strip signals filter cleaning unit 1
- XEXT2 = Terminal strip signals filter cleaning unit 2
- XEXT3 = Terminal strip signals filter cleaning unit 1 auxiliary skid

+GREENBOX
-XTS = Green box terminal block
-XTSA = Analog input signals terminal block greenbox
+JB33
-X31 = Signal JB31 terminal strip
-X31.A = Terminal strip analog input signals

P31

FRONT DOOR
STAINLESS STEEL



Date	13/06/2025	
Ed.	UTE	
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Rev	1	=> 1



BRUNO PREZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

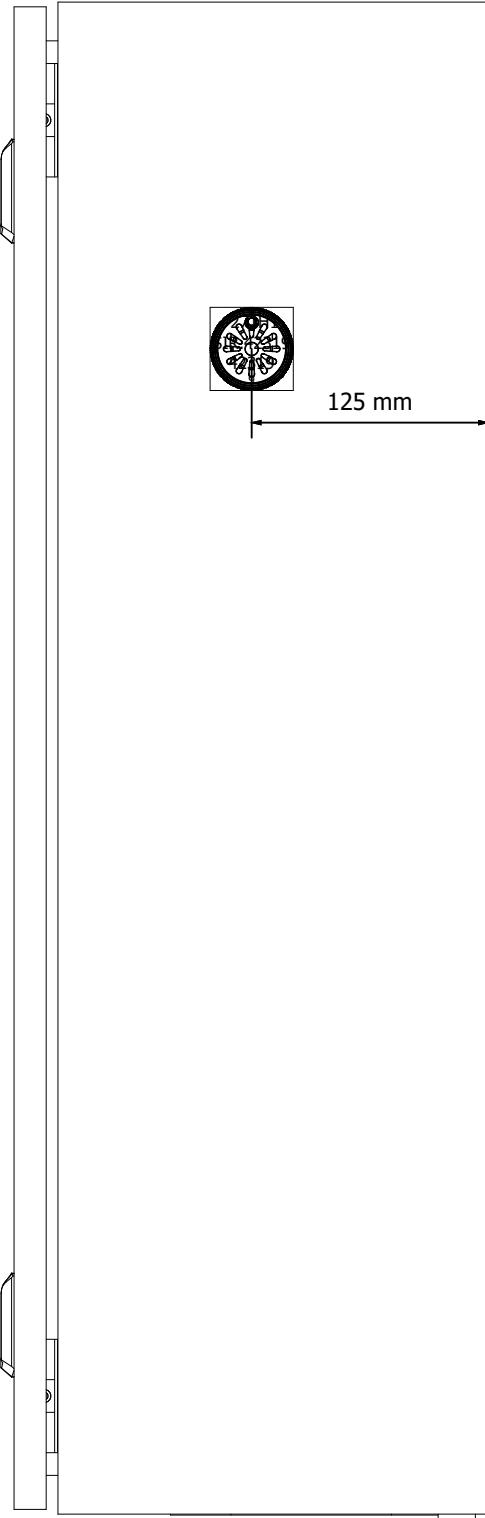
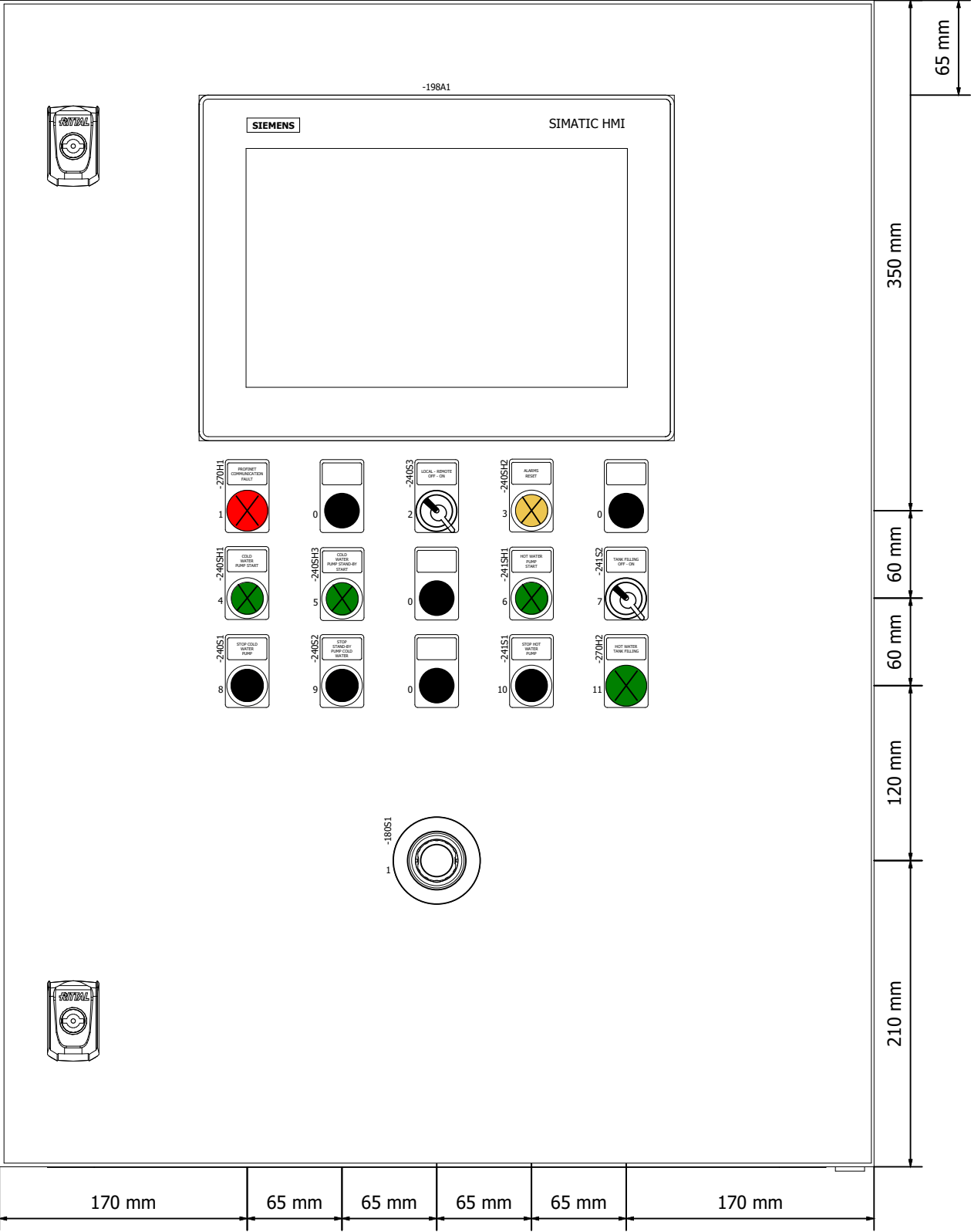
CONTINUOUS CASTER

External layout

+ P31	60-04-91A	380	←
r43.52	00-2400000	390	→
		391	

P31

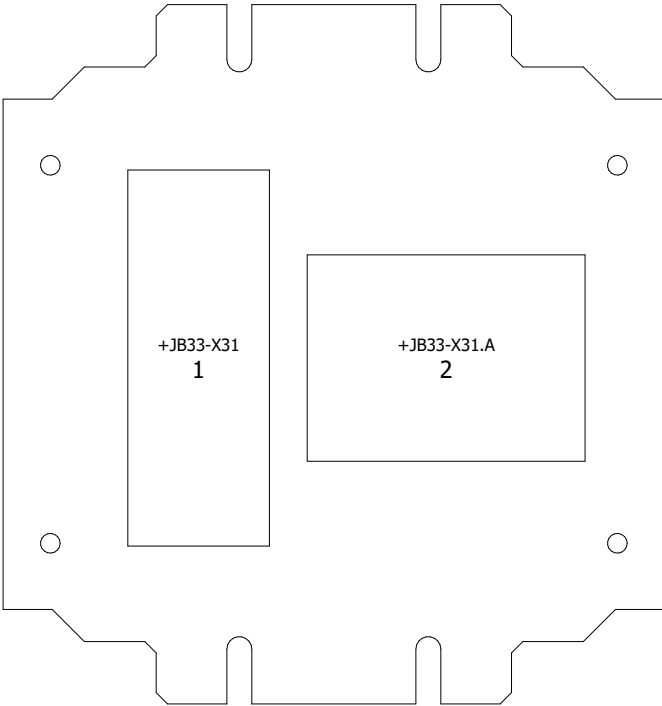
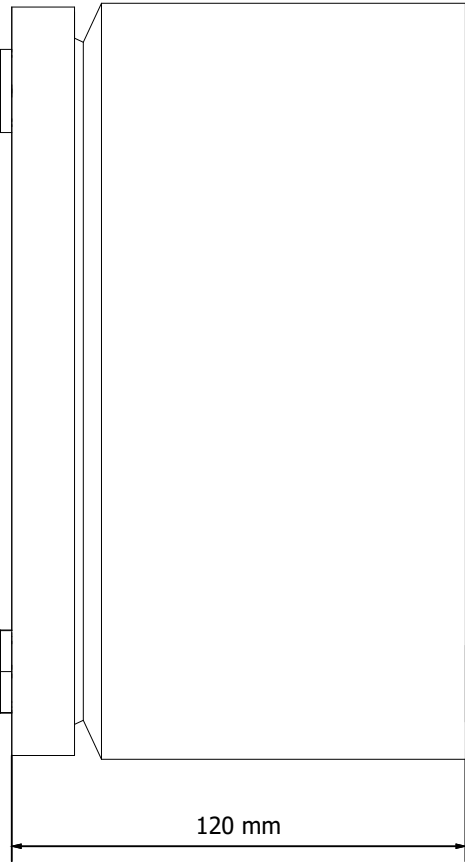
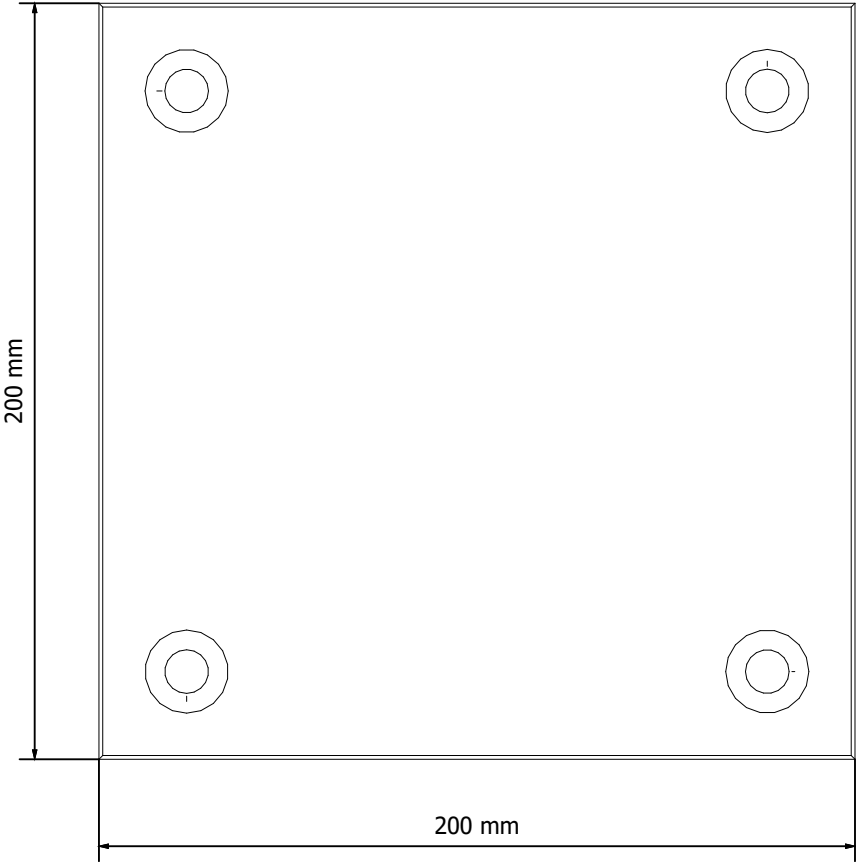
FRONT DOOR
STAINLESS STEEL



P31





JB33





Terminal diagram


										External Designation										Designation Internal					
Function text	Cable name									=+P31-X24V									Cable name	Page / column					
	Cable type									24Vdc common terminal strip									Cable type						
										Component	Filo Wire		Terminal	Jumper	Tip Type	Component									
										Internal	External	Internal													
DISTRIBUTION 24Vdc P31										-XP31	10.01	10.01	1	•	2,5	-10Q1				&SCH/15.1					
										-150U1															
										-198A1															
DISTRIBUTION 24Vdc P31										-200A2	10.01	10.01	1	•	2,5	-200A1				&SCH/15.1					
										-240S1															
										-X50															
DISTRIBUTION 24Vdc P31										-XEXT1	10.01	10.01	1	•	2,5	-150U1				&SCH/15.1					
										-XEXT2															
										-XTS															
DISTRIBUTION 24Vdc P31										-XEXT3	10.01	10.01	1	•	2,5	-X31				&SCH/15.2					
										-XAI															
										-200A6															
DISTRIBUTION 24Vdc P31										-XAI	10.01	10.01	1	•	2,5	-XAI				&SCH/15.2					
										-XAI															
										-XAI															
DISTRIBUTION 24Vdc P31										-XAI	10.01	10.01	1	•	2,5	-XAI				&SCH/15.3					
										-XAI															
										-XAI															
DISTRIBUTION 24Vdc P31										-200A9	10.01	10.01	1	•	2,5	-XAI				&SCH/15.3					
										-200A11															
										-270KA1															
DISTRIBUTION 24Vdc P31										-150U1	0V	0V	2	•	2,5	-XP31				&SCH/15.6					
										-198A1															
										-200A1															
DISTRIBUTION 24Vdc P31										-X50	0V	0V	2	•	2,5	-200A2				&SCH/15.6					
										-XEXT1															
										-XEXT2															
DISTRIBUTION 24Vdc P31										-X31	0V	0V	2	•	2,5	-XTS				&SCH/15.7					
										-XEXT3															
										-200A6															


13/06/2025		 <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+P31-XAI	+ P31 60-04-91A		403
UTE					r43.52	00-2400000	404
08/08/2025	08/08/2025						404.a
1	=> 1						


13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P31-XAI	+ P31 60-04-91A		404
UTE							
08/08/2025	08/08/2025						404.a
1	=> 1				r43.52	00-2400000	404.b


13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P31-XAI	+ P31 60-04-91A		404.a ←
UTE							404.b
08/08/2025	08/08/2025						→ 404.c
1	=> 1				r43.52	00-2400000	

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P31-XAI	+ P31 60-04-91A		404.b
UTE							404.
08/08/2025	08/08/2025						
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13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P31-XEXT1	+ P31 60-04-91A		405 ←
UTE					r43.52	00-2400000	406
08/08/2025	08/08/2025						→ 407
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Date	13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P31-XEXT2	+ P31 60-04-91A		406
Ed.	UTE					r43.52	00-2400000	
Rev	08/08/2025	08/08/2025						407
Rev	1	=> 1						408

13/06/2025		 BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P31-XEXT3	+ P31 60-04-91A		407
UTE							
08/08/2025	08/08/2025						408
1	=> 1				r43.52	00-2400000	409

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram =+P31-XTS	+ P31 60-04-91A		410 ←
UTE					r43.52	00-2400000	411
08/08/2025	08/08/2025						→ &DIST/500
1	=> 1						

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-XP31	2	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-XP31	1	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
-XP31	1	Feed-through terminal	ST 4-PE	Phoenix Contact	PXC.3031380
-X24V	15	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-150U1	1	SIRIUS Thermistor motor protection relay	3RN2012-1BA30	Siemens	SIE.3RN2012-1BA30
-150U2	1	SIRIUS Thermistor motor protection relay	3RN2012-1BA30	Siemens	SIE.3RN2012-1BA30
-150U3	1	SIRIUS Thermistor motor protection relay	3RN2012-1BA30	Siemens	SIE.3RN2012-1BA30
-XT	6	Feed-through terminal	ST 4	Phoenix Contact	PXC.3031364
-180S1	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
-180S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-180S1	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
-180S1	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
-180S1	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
-XP31	4	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-198A1	1	HMI	6AV2128-3MB06-0AX1	Siemens	SIE.6AV2128-3MB06-0AX1
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A2	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A5	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A6	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A6	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A7	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A7	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A8	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A8	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A9	1	Analog input card	6ES7134-6GD01-0BA1	Siemens	SIE.6ES7134-6GD01-0BA1
-200A9	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A10	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A10	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A11	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A11	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A12	1	Analog output card	6ES7135-6HD00-0BA1	Siemens	SIE.6ES7135-6HD00-0BA1
-200A12	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-240S1	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-240S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-240S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S2	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-240S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S2	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-240S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240S3	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
-240S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240S3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-240SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-240SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-240SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240SH2	1	Pushbutton	ZB4BW383	Schneider Electric	SE.ZB4BW383
-240SH2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240SH2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240SH2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-240SH2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-240SH3	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-240SH3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-240SH3	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-240SH3	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-240SH3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S1	1	Pushbutton	ZB4BA2	Schneider Electric	SE.ZB4BA2
-241S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S1	1	1NC contact	ZBE102	Schneider Electric	SE.ZBE102
-241S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241S2	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
-241S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241S2	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-241SH1	1	Pushbutton	ZB4BW333	Schneider Electric	SE.ZB4BW333
-241SH1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-241SH1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-241SH1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-241SH1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-X50	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X50	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X50	7	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-XEXT1	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XEXT1	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XEXT1	11	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XEXT2	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XEXT2	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XEXT2	11	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XTS	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XTS	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XTS	10	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-X31	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X31	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X31	6	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XEXT3	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XEXT3	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XEXT3	9	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	33	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XAI	10	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XAI	10	Fuse 5x20	0101001	Italweber	IW.0101001
-270H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-270H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-270H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-270H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-270H2	1	Lamp	ZB4BV033	Schneider Electric	SE.ZB4BV033
-270H2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-270H2	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-270H2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-XEV	2	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XEV	5	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-271H1	1	Buzzer	42319	SIRENA	SIR.42319
-271KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-273KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XA	3	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-390M1	1	AX compact box	AX.1058000	Rittal	RIT.1058000
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
-391S1	4	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	4	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3

AL INVEST









Designation system	CONTINUOUS CASTER	Job	: 00-2400000
Mounting location:	P32 BOX WATER SENSOR	Drawing	: 60-04-92A

Power supply	400Vac 50Hz
Input lead	3ph + PE
Auxiliary voltage	230Vac - 24Vdc
Year of manufacture	2025

5		
4		
3		
2		
1	08/08/2025	SECOND ISSUED
0	29/05/2025	FIRST ISSUED
Rev.	Date	Description

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WIRES COLOR TABLE

 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

0		1		2		3		4		5		6		7		8	
Table of contents																	
Assignment				Page		Page description								Revision		Edited by	
+P32				BOX WATER SENSOR													
				1		COVER								1		UTE	
				2		WIRES COLOR TABLE								1		UTE	
				4		Table of contents								1		UTE	
				4.a		Table of contents								1		UTE	
				10		Supply Line								1		UTE	
				15		Distribution 24Vdc								1		UTE	
				100		Master I/O link								1		UTE	
				101		Master I/O link								1		UTE	
				105		Master I/O link								1		UTE	
				106		Master I/O link								1		UTE	
				200		PLC								1		UTE	
				240		Digital inputs								1		UTE	
				241		Digital inputs								1		UTE	
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				244		Digital inputs								1		UTE	
				245		Digital inputs								1		UTE	
				270		Digital outputs								1		UTE	
				271		Digital outputs								1		UTE	
				272		Digital outputs								1		UTE	
				273		Digital outputs								1		UTE	
				380		Terminal strip								1		UTE	
				390		External layout								1		UTE	
				391		External layout								1		UTE	
393		Internal layout								1		UTE					
398		Layout +JB30								1		UTE					
400		Terminal diagram =+P32-X24V								1		UTE					
401		Terminal diagram =+P32-X32								1		UTE					


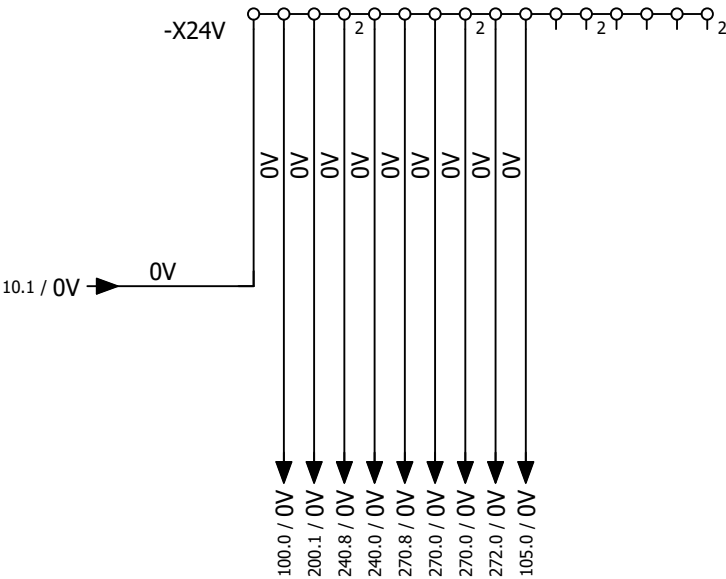
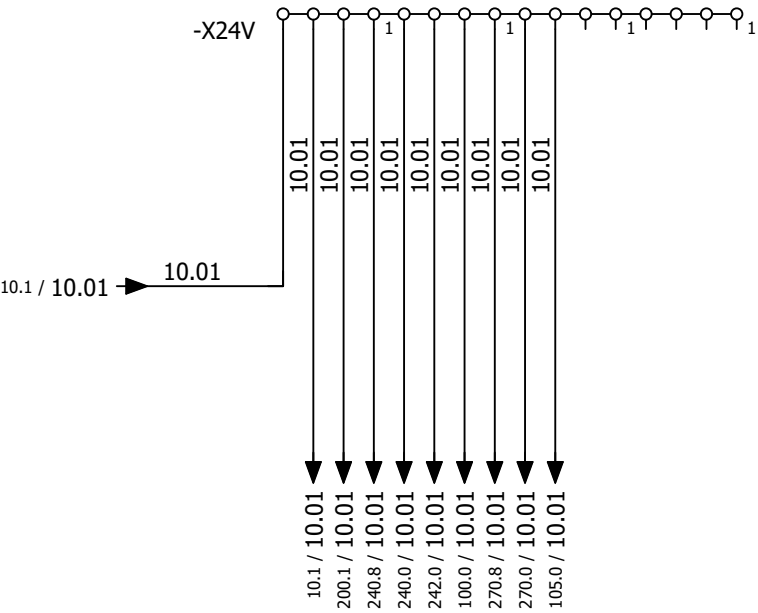
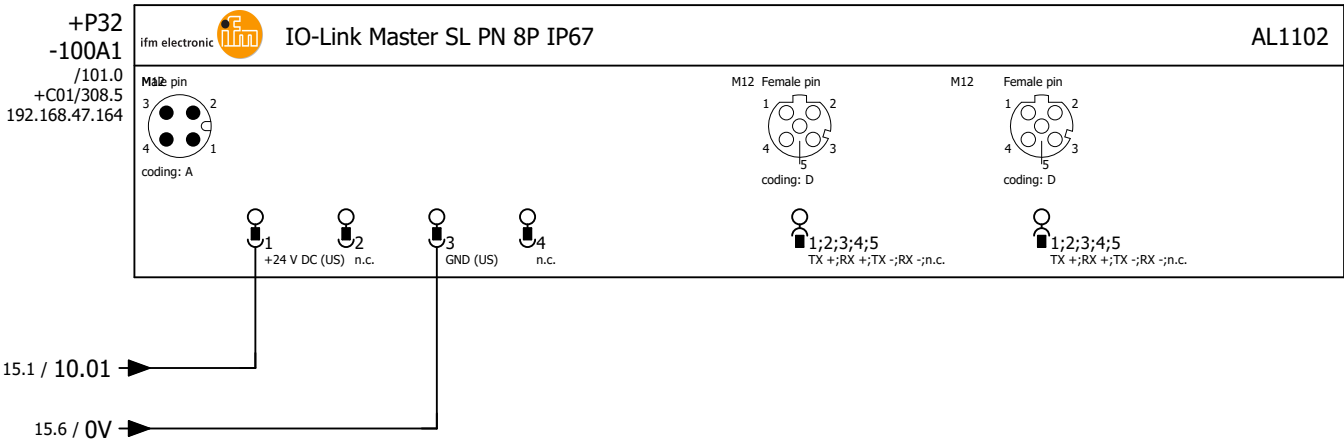
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ev	08/08/2025	08/08/2025							r43.52		00-2400000		4	
ev	1	=> 1												4.a

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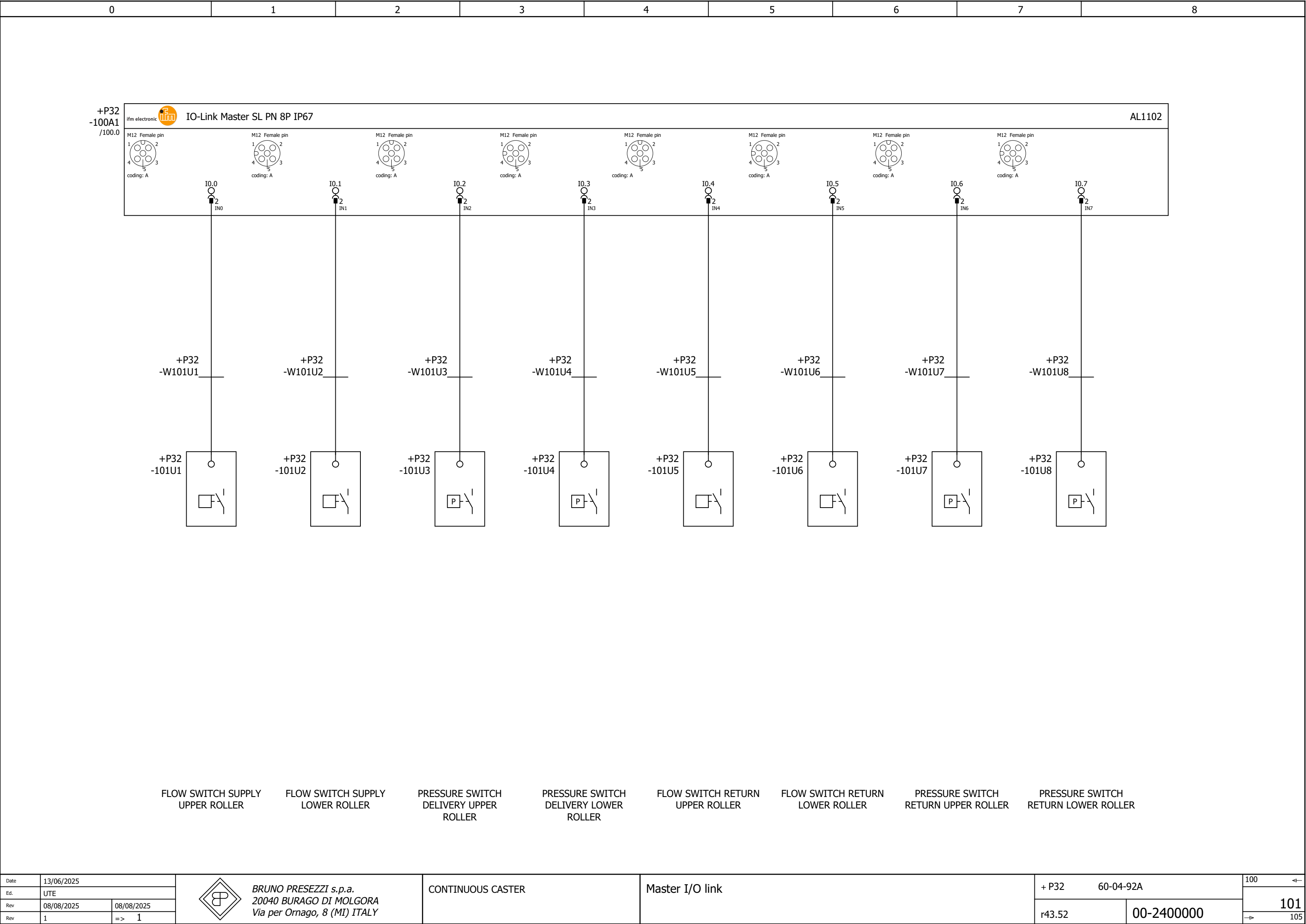
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	402	Terminal diagram =+P32-XEV	1	UTE
	402.a	Terminal diagram =+P32-XEV	1	UTE
	402.b	Terminal diagram =+P32-XEV	1	UTE
	402.c	Terminal diagram =+P32-XEV	1	UTE
	403	Terminal diagram =+P32-XP32	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE

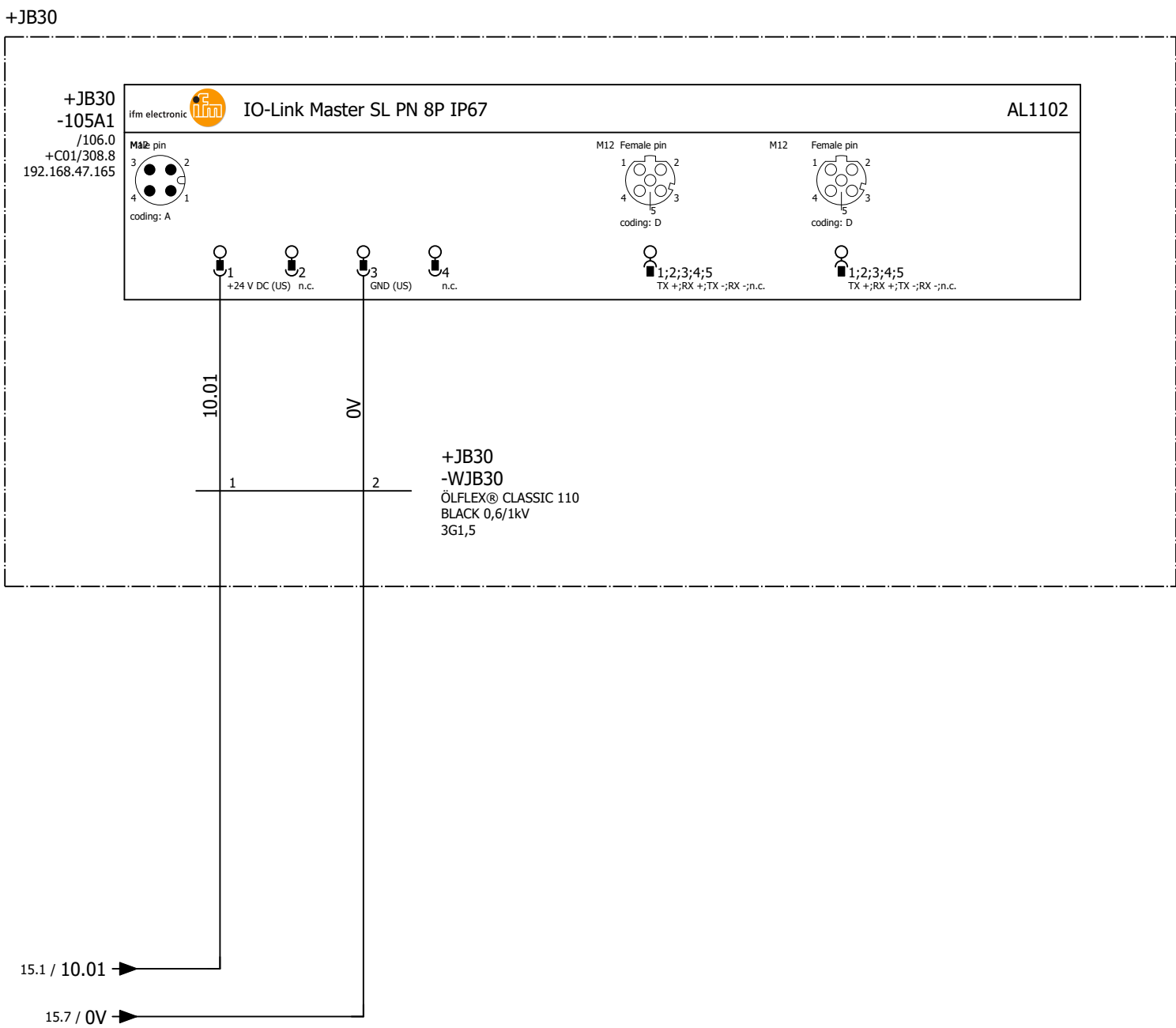


DISTRIBUTION 24Vdc P31

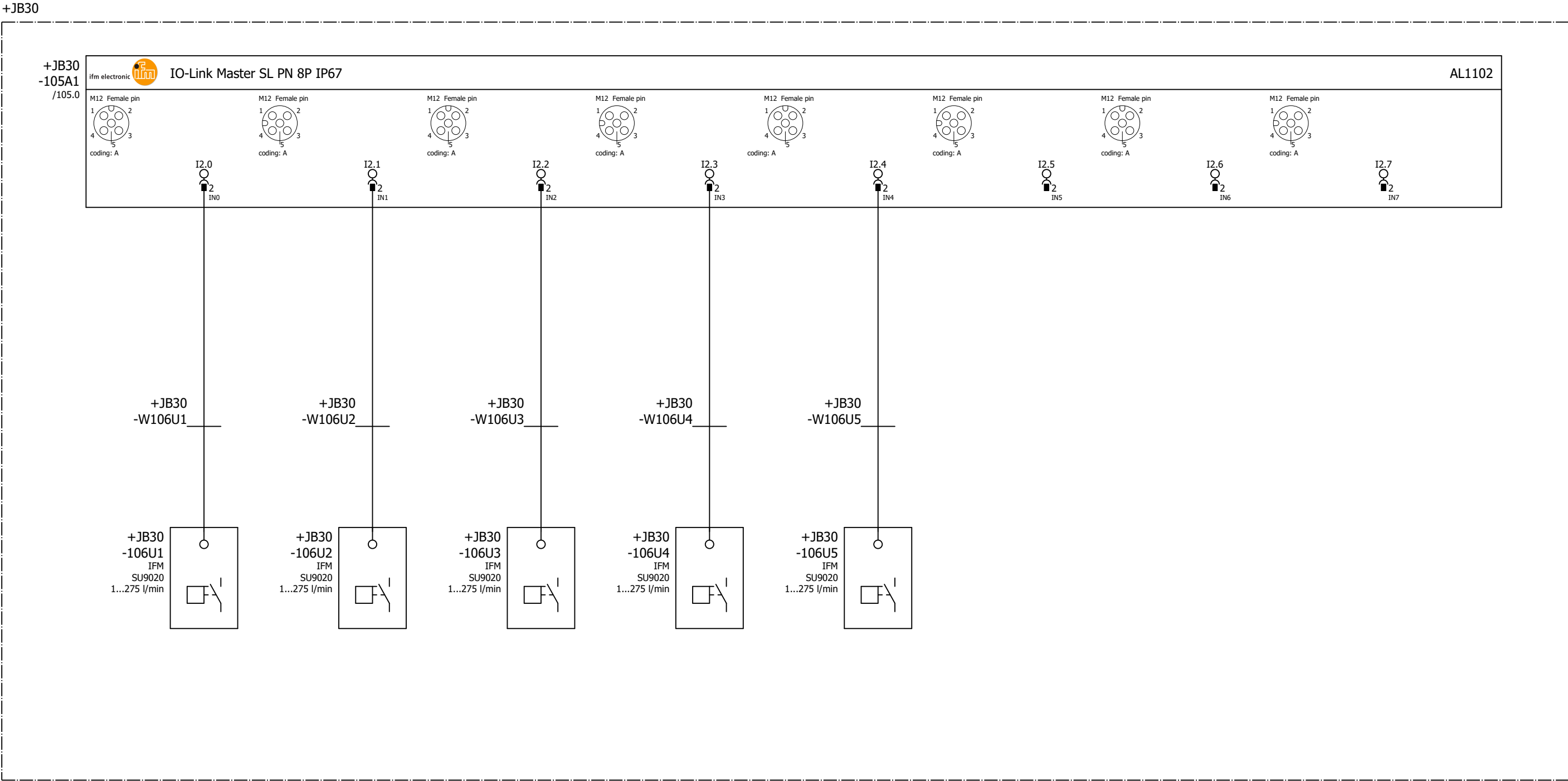


POWER SUPPLY MASTER
I/O LINK





POWER SUPPLY MASTER
I/O LINK



FLOW SWITCH
DELIVERY PINCH-ROLL 1
LOWER ROLL

FLOW SWITCH
DELIVERY PINCH-ROLL 1
UPPER ROLL

FLOW SWITCH
DELIVERY PINCH-ROLL 2
LOWER ROLL

FLOW SWITCH
DELIVERY PINCH-ROLL 2
UPPER ROLL

FLOW SWITCH
DELIVERY DEFLECTOR
ROLL

SPARE

SPARE

SPARE

Date	13/06/2025	
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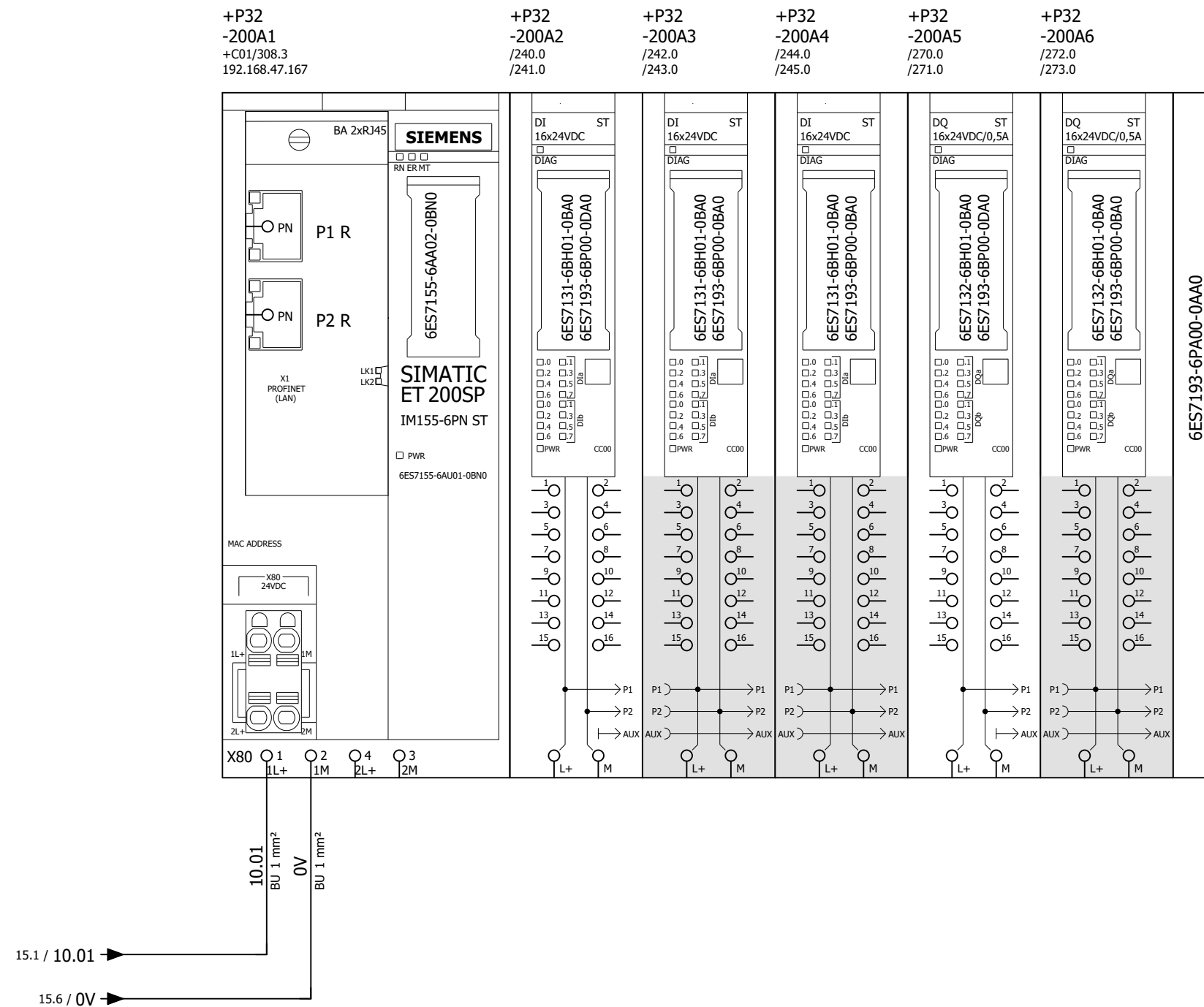


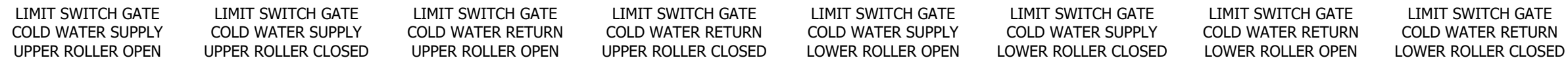
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20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

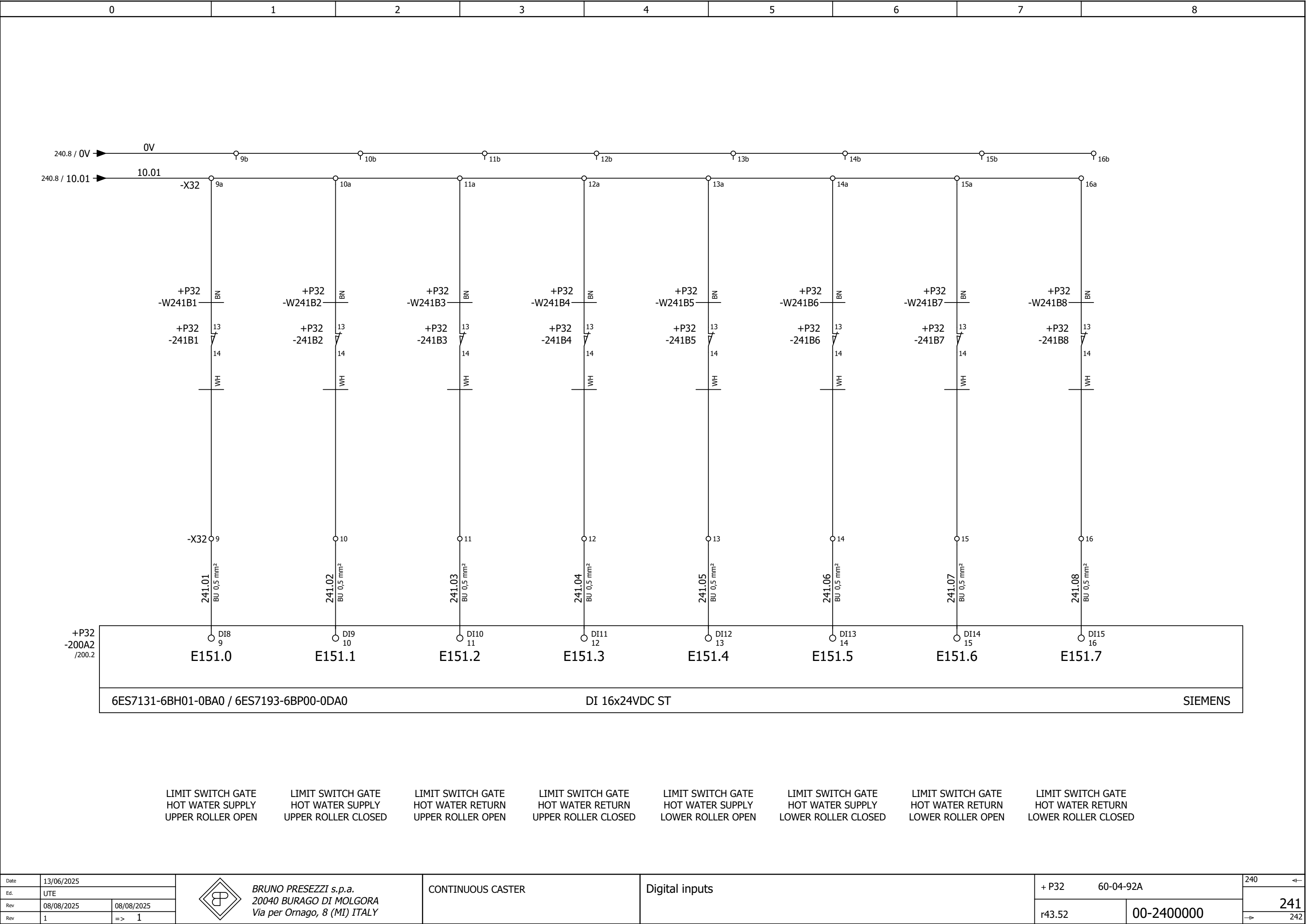
CONTINUOUS CASTER

Master I/O link

+ P32	60-04-92A	105	←
r43.52	00-2400000	106	→
		200	







LIMIT SWITCH GATE
HOT WATER SUPPLY
UPPER ROLLER OPEN

LIMIT SWITCH GATE
HOT WATER SUPPLY
UPPER ROLLER CLOSED

LIMIT SWITCH GATE
HOT WATER RETURN
UPPER ROLLER OPEN

LIMIT SWITCH GATE
HOT WATER RETURN
UPPER ROLLER CLOSED

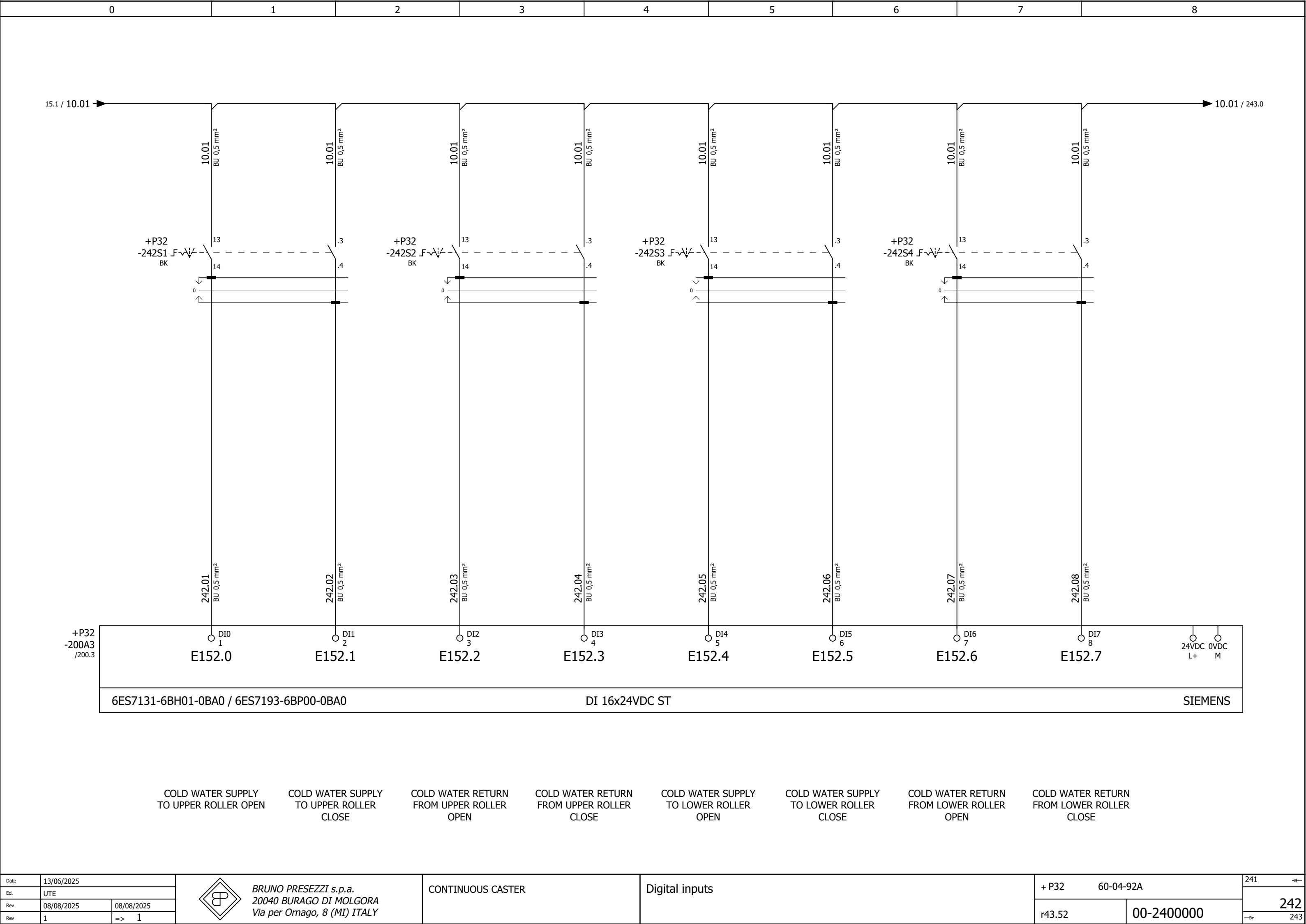
LIMIT SWITCH GATE
HOT WATER SUPPLY
LOWER ROLLER OPEN

LIMIT SWITCH GATE
HOT WATER SUPPLY
LOWER ROLLER CLOSED

LIMIT SWITCH GATE
HOT WATER RETURN
LOWER ROLLER OPEN

LIMIT SWITCH GATE
HOT WATER RETURN
LOWER ROLLER CLOSED

Date	13/06/2025		<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Digital inputs	+ P32 60-04-92A		240
Ed.	UTE					241		
Rev	08/08/2025	08/08/2025						
Rev	1	=> 1					r43.52	00-2400000



10.01

BU 0,5 mm²

13

14

0

+P32

-242S4

BK

F

13

14

0

242.07

BU 0,5 mm²

DI6

7

10.01

BU 0,5 mm²

.3

.4

0

242.08

BU 0,5 mm²

DI7

8

24VDC

0VDC

L+

M

+P32

-200A3

/200.3

E152.0

E152.1

E152.2

E152.3

E152.4

E152.5

E152.6

E152.7

SIEMENS

6ES7131-6BH01-0BA0 / 6ES7193-6BP00-0BA0

DI 16x24VDC ST

SIEMENS

COLD WATER SUPPLY
TO UPPER ROLLER OPEN

COLD WATER SUPPLY
TO UPPER ROLLER
CLOSE

COLD WATER RETURN
FROM UPPER ROLLER
OPEN

COLD WATER RETURN
FROM UPPER ROLLER
CLOSE

COLD WATER SUPPLY
TO LOWER ROLLER
OPEN

COLD WATER SUPPLY
TO LOWER ROLLER
CLOSE

COLD WATER RETURN
FROM LOWER ROLLER
OPEN

COLD WATER RETURN
FROM LOWER ROLLER
CLOSE

Date

13/06/2025

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UTE

Rev

08/08/2025

08/08/2025

Rev

1

=> 1

BRUNO PRESEZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

CONTINUOUS CASTER

Digital inputs

+ P32

60-04-92A

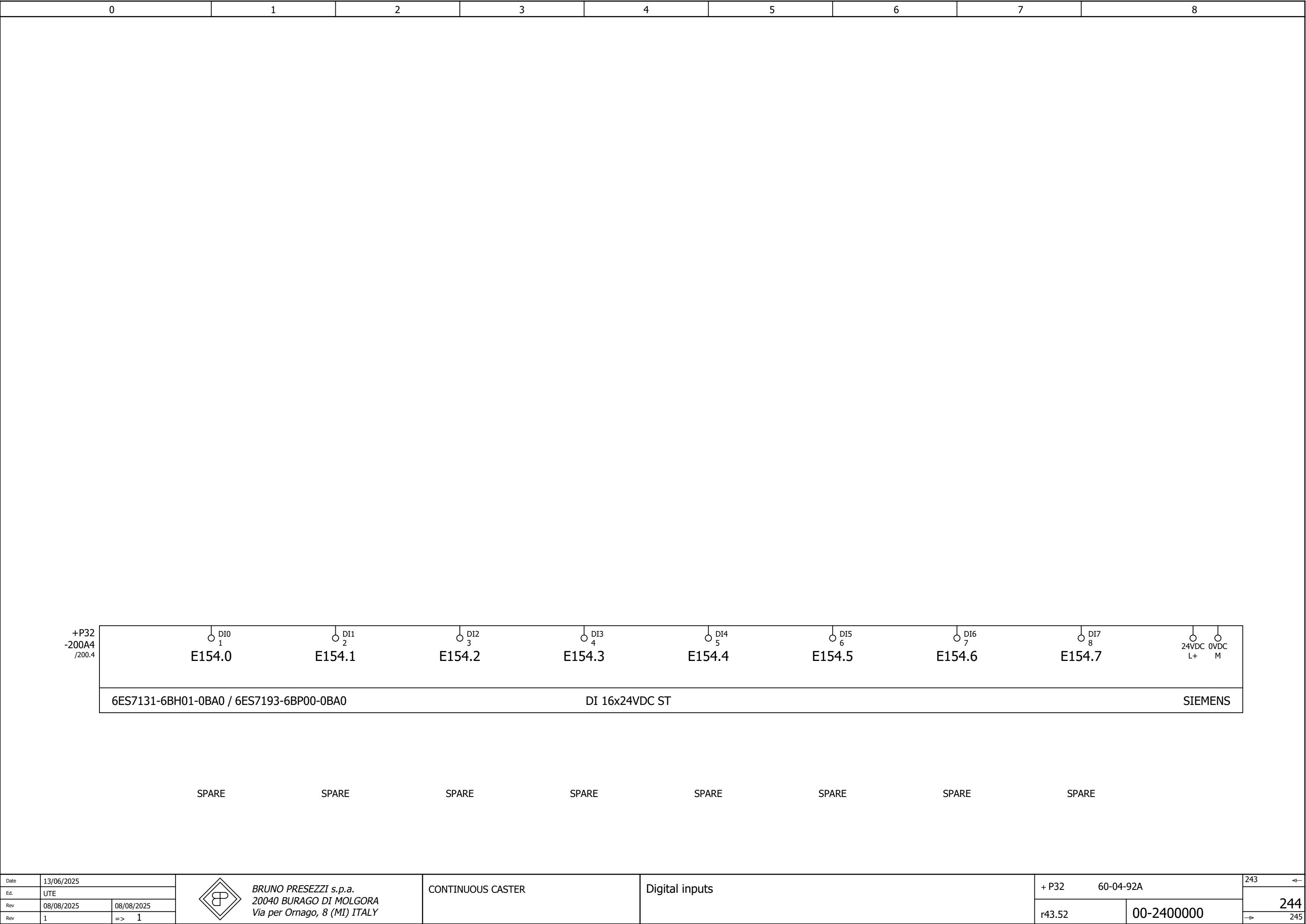
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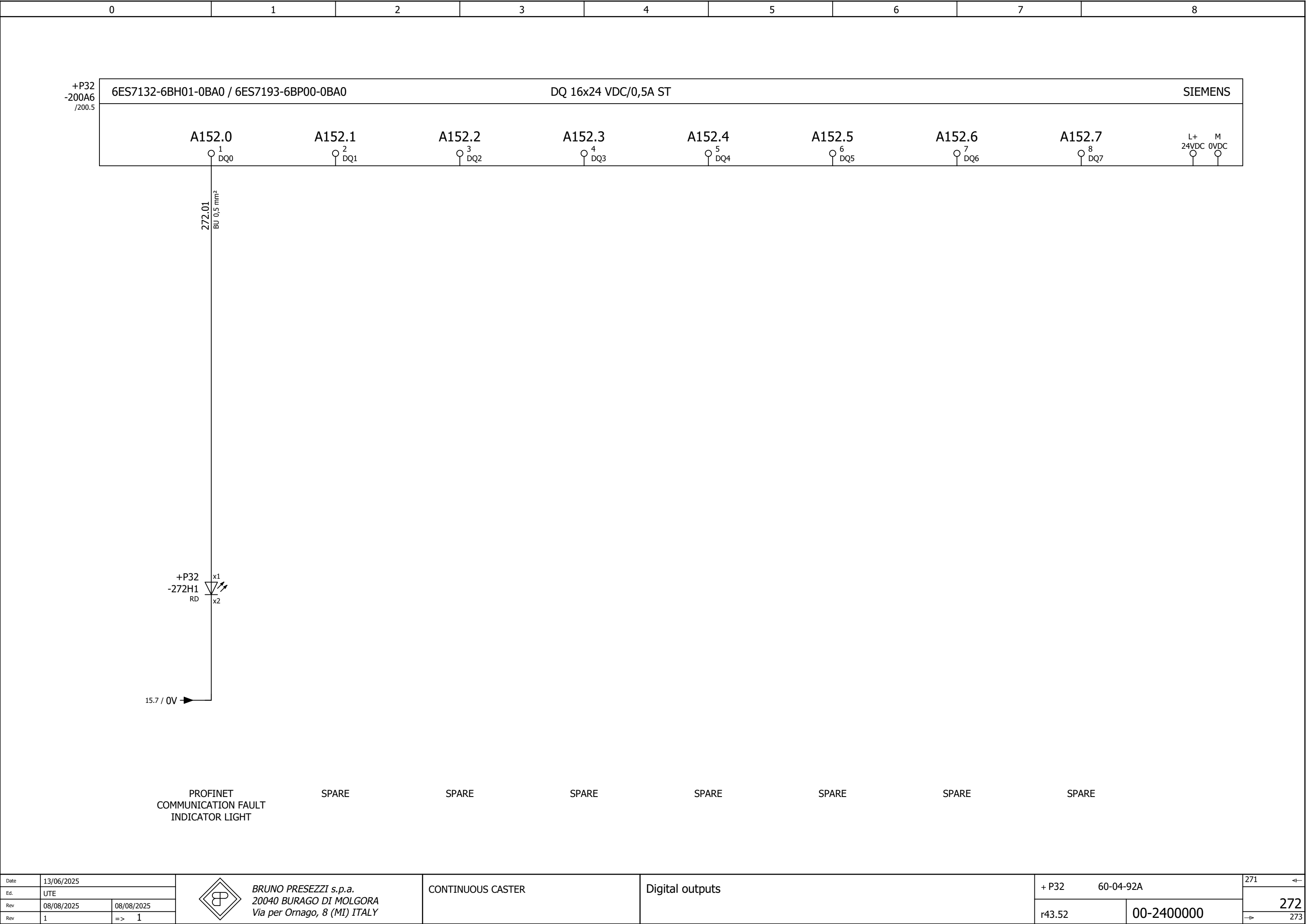
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243



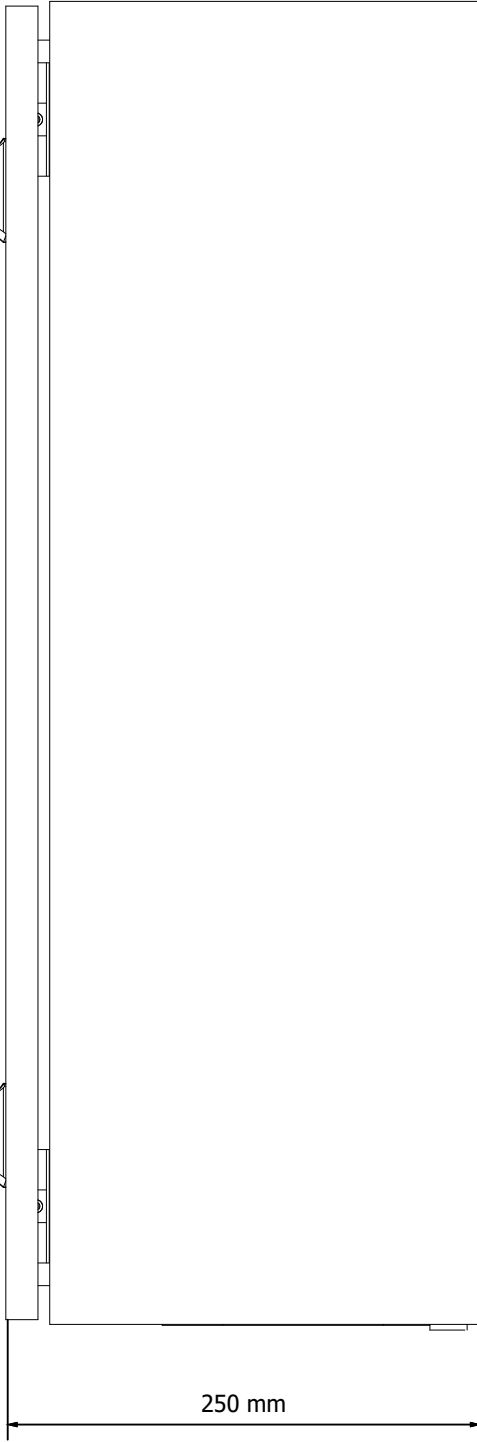
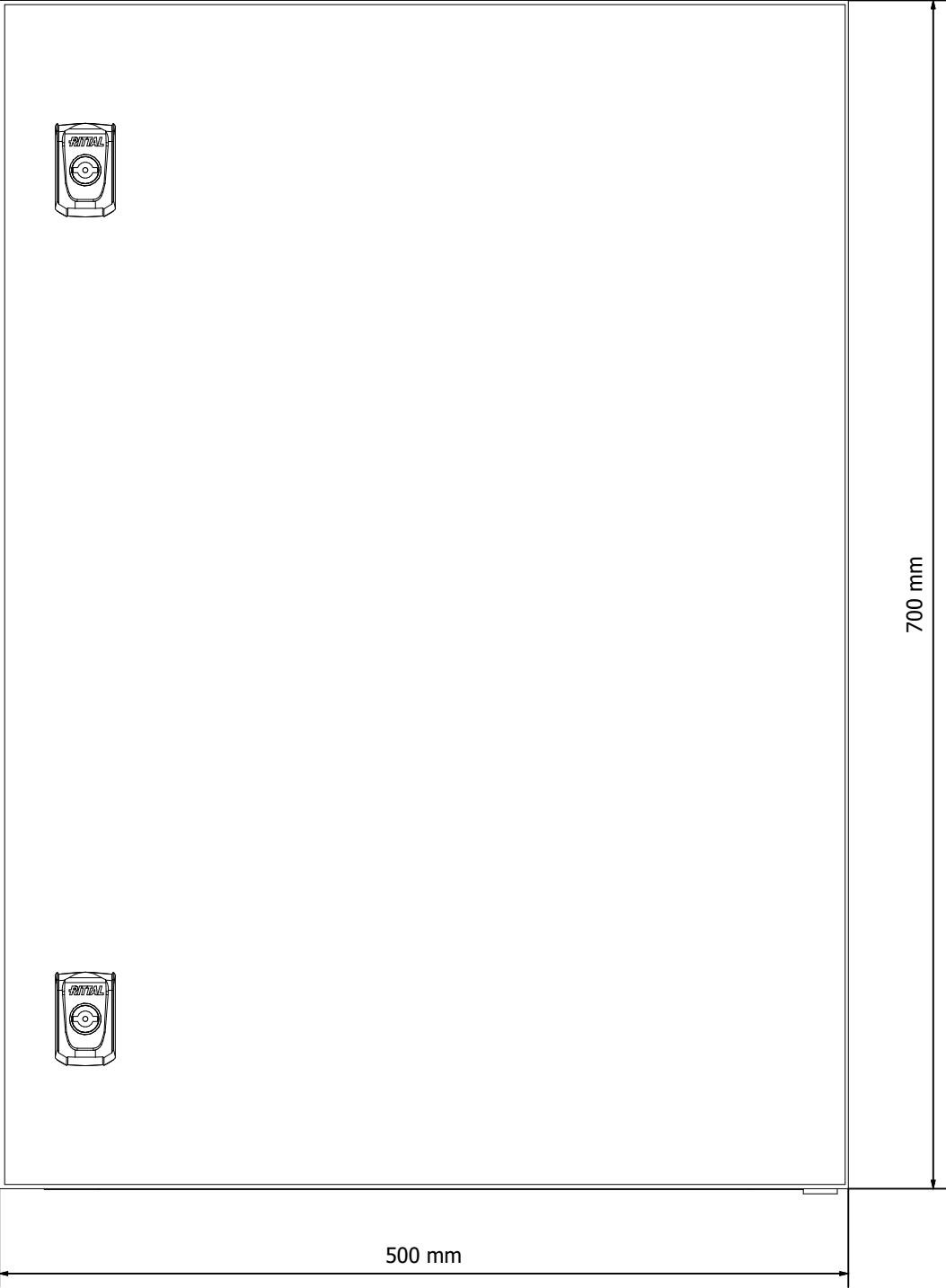


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+P32 -200A6 /200.5	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0															DQ 16x24 VDC/0,5A ST															SIEMENS																								
	A153.0 <div><div></div><div>9</div><div>DQ8</div></div>					A153.1 <div><div></div><div>10</div><div>DQ9</div></div>					A153.2 <div><div></div><div>11</div><div>DQ10</div></div>					A153.3 <div><div></div><div>12</div><div>DQ11</div></div>					A153.4 <div><div></div><div>13</div><div>DQ12</div></div>					A153.5 <div><div></div><div>14</div><div>DQ13</div></div>					A153.6 <div><div></div><div>15</div><div>DQ14</div></div>					A153.7 <div><div></div><div>16</div><div>DQ15</div></div>																			
SPARE					SPARE					SPARE					SPARE					SPARE					SPARE					SPARE																									
Date		13/06/2025										<div><div><div></div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>										CONTINUOUS CASTER										Digital outputs										+ P32 60-04-92A										272		←	
Ed.		UTE																																																		273			
Rev		08/08/2025					08/08/2025																																																
Rev		1					=> 1																																			r43.52										00-2400000			

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<div>TERMINAL STRIP AND COTORS</div> <div><div>-X24V = 24Vdc common terminal strip</div><div>-XP32 = Control board P32 terminal strip</div><div>-XEV = Solenoid valve terminal strip</div><div>-X32 = Sensors switch terminal strip</div></div>										
Date	13/06/2025		<div><div></div><div><div>BRUNO PRESEZZI s.p.a.</div><div>20040 BURAGO DI MOLGORA</div><div>Via per Ornago, 8 (MI) ITALY</div></div></div>	CONTINUOUS CASTER	Terminal strip	+ P3260-04-92A		273		
Ed.	UTE									
Rev	08/08/2025	08/08/2025						380		
Rev	1	=> 1				r43.52	00-2400000	390		

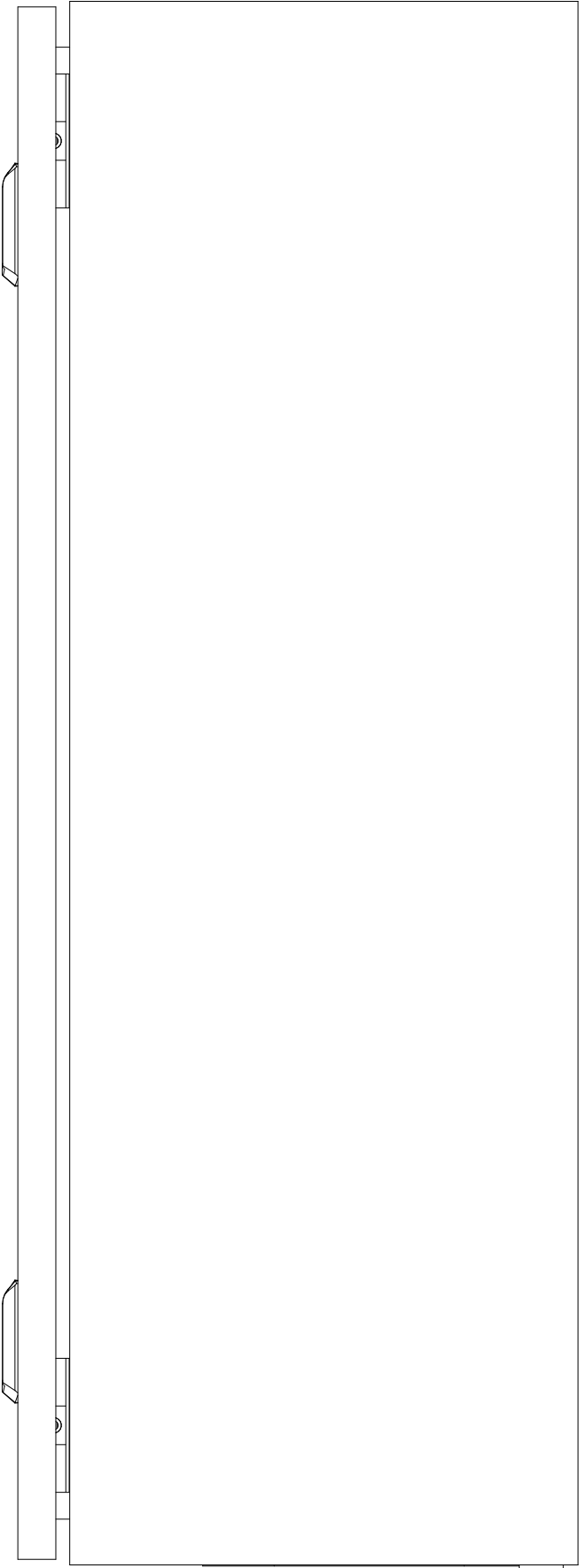
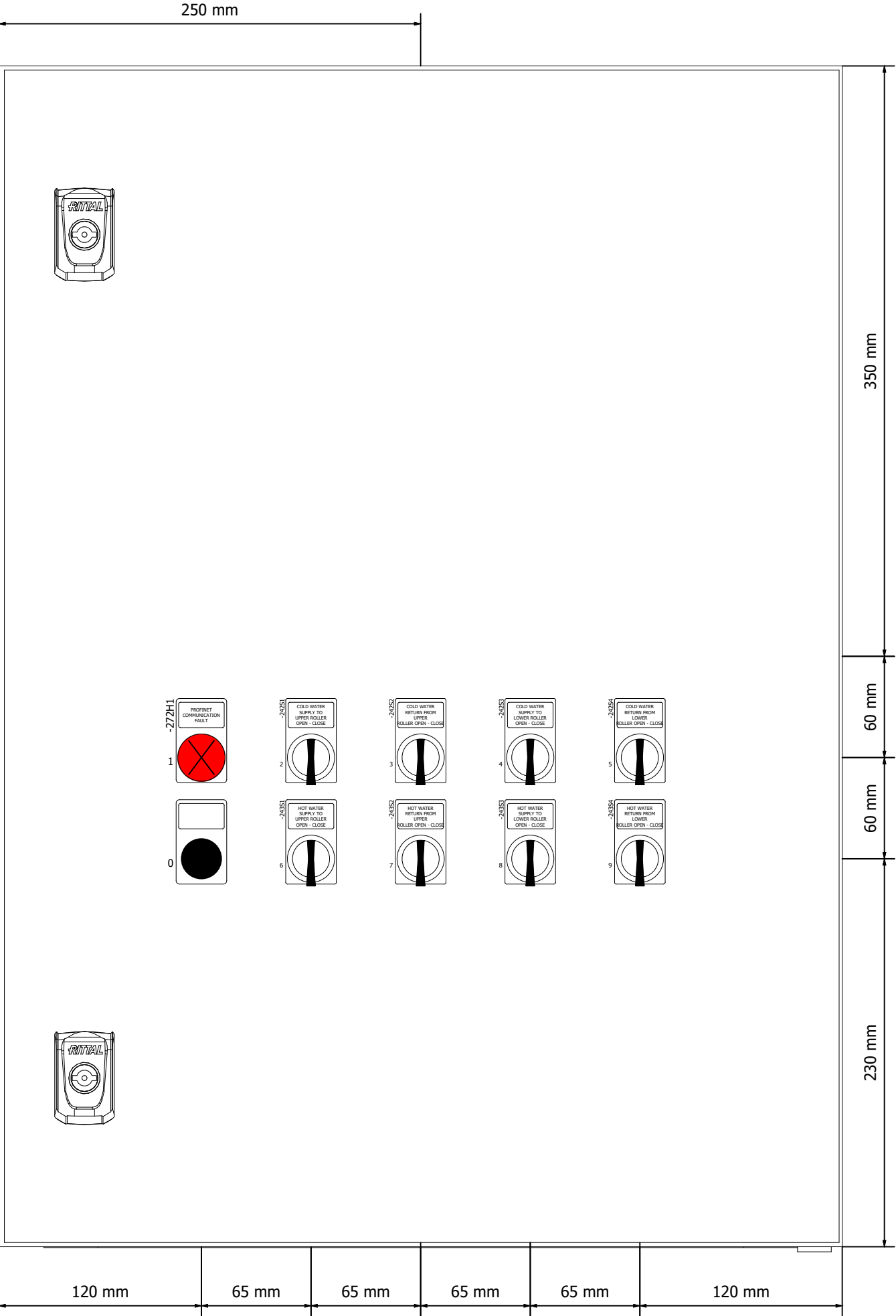
P32

FRONT DOOR
STAINLESS STEEL



P32

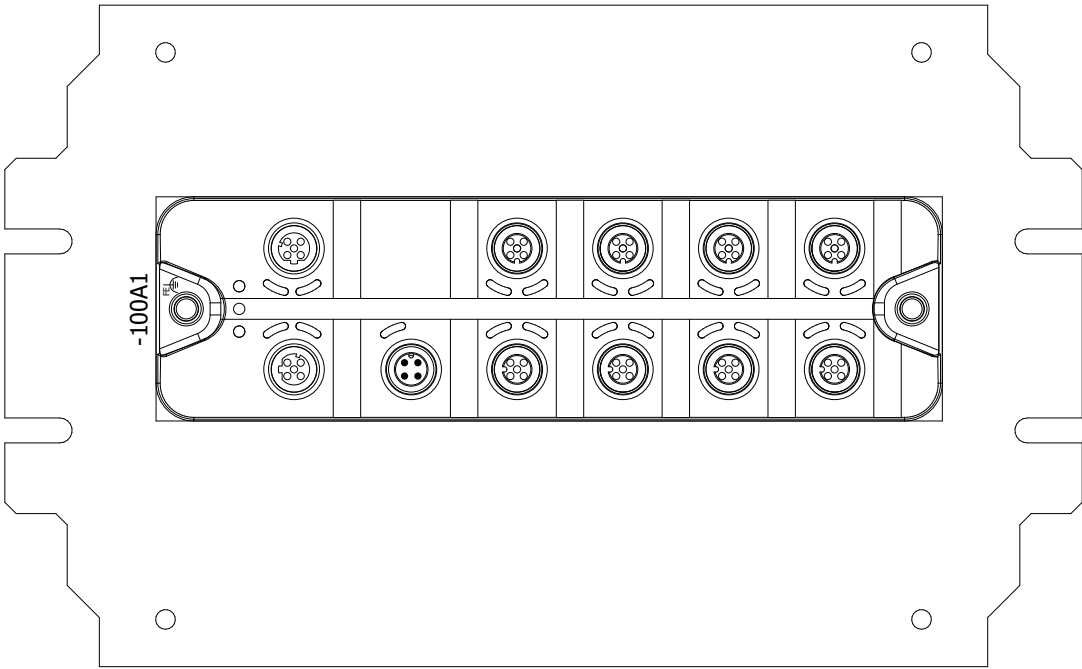
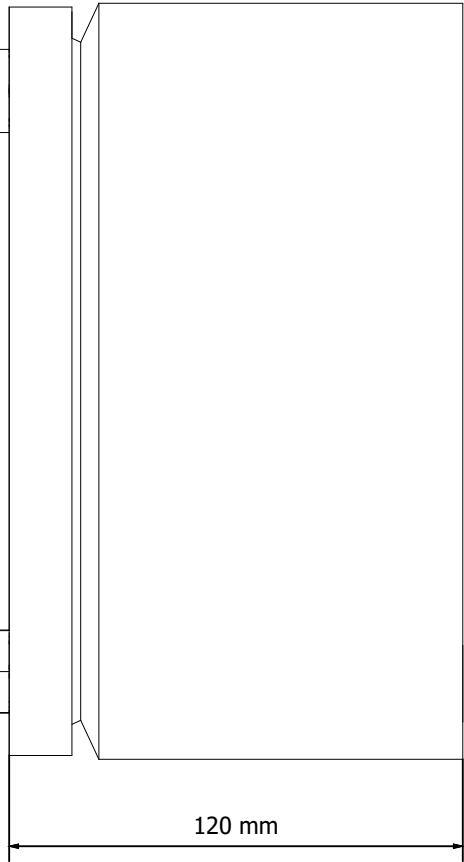
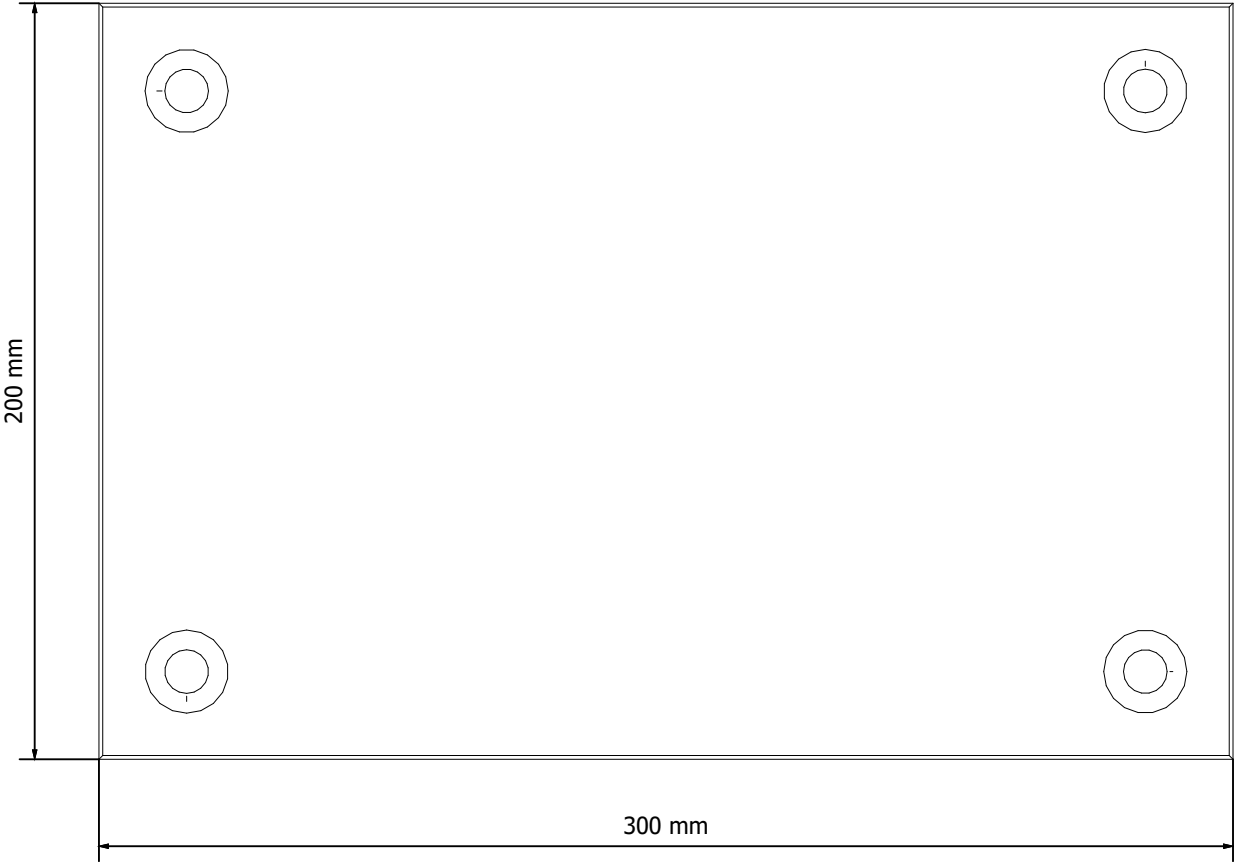
FRONT DOOR
STAINLESS STEEL




P32




JB30



Terminal diagram

			External Designation												Designation Internal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Function text			Cable name	-W240B8	-W240B7	-W240B6	-W240B5	-W240B4	-W240B3	-W240B2	-W240B1	=+P32-X32									Cable name	Cable type	Page / column																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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13/06/2025		 <div>BRUNO PREZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Terminal diagram =+P32-X32	+ P32 60-04-92A		401
UTE							401.a
08/08/2025	08/08/2025						
1	=> 1				r43.52	00-2400000	

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6104-7	Siemens	SIE.5SY6104-7
-XP32	3	Feed-through terminal	ST 6	Phoenix Contact	PXC.3031487
-XP32	1	Feed-through terminal	ST 6-PE	Phoenix Contact	PXC.3031500
-X24V	8	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-100A1	2	Connector: M12	IO-Link Master SL PN 8P IP67	IFM	IFM.AL1102
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A1	1	IM 155-6 PN ST	6ES7155-6AU02-0BN0	Siemens	SIE.6ES7155-6AU02-0BN0
-200A2	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A4	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A5	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A5	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A6	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A6	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-X32	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-X32	1	Fuse 5x20	0103153	Italweber	IW.0103153
-X32	16	Multi-level terminal block	ST 2,5-3L	Phoenix Contact	PXC.3036042
-242S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-242S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-242S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-242S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-242S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-242S4	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-242S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-242S4	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-242S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S1	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-243S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S1	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S2	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-243S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S2	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S2	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S3	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-243S3	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S3	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S3	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-243S4	1	Selector switch	ZB4BJ5	Schneider Electric	SE.ZB4BJ5
-243S4	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-243S4	2	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
-243S4	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-270KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-XEV	5	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XEV	16	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-271KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-272H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-272H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-272H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-272H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-390M1	1	AX compact box	AX.1057000	Rittal	RIT.1057000
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
-391S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	1	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3

AL INVEST









Designation system	CONTINUOUS CASTER	Job	: 00-2400000
Mounting location:	P20 BOX SAFETY GATE	Drawing	: 60-04-97A

Power supply	400Vac 50Hz
Input lead	3ph + PE
Auxiliary voltage	230Vac - 24Vdc
Year of manufacture	2025

5		
4		
3		
2		
1	08/08/2025	SECOND ISSUED
0	13/06/2025	FIRST ISSUED
Rev.	Date	Description

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WIRES COLOR TABLE

 Wire Colours		Type of Signal		
 L1,L2,L3 (Black)		Power Circuit		
 230Vac Auxiliary (Red)		Auxiliary Circuit 230Vac		
 24Vdc (Blue)		Auxiliary Circuit 24Vdc		
 PE (Yellow-Green)		Protection Circuits PE		
 External Circuits (Orange)		External Circuits		
 Profinet Cable (Green)		Ethernet Cable		
 Internet Cable (Grey)		Internet Cable		
Wires Minimum Size	Plc Circuit	0,5 mm ²	Type	mm ²
	Auxiliary Circuits	1 mm ²		
	Power Circuits	1,5 mm ²		

0		1		2		3		4		5		6		7		8	
Table of contents																	
Assignment				Page		Page description								Revision		Edited by	
+P20				BOX SAFETY GATE													
				1		COVER								1		UTE	
				2		WIRES COLOR TABLE								1		UTE	
				4		Table of contents								1		UTE	
				4.a		Table of contents								1		UTE	
				10		Supply Line								1		UTE	
				15		Distribution 24Vdc								1		UTE	
				170		Safety limit switch								1		UTE	
				171		Safety limit switch								1		UTE	
				172		Safety limit switch								1		UTE	
				173		Safety limit switch								1		UTE	
				174		Safety limit switch								1		UTE	
				175		Safety limit switch								1		UTE	
				200		PLC								1		UTE	
				210		Digital safety input								1		UTE	
				211		Digital safety input								1		UTE	
				212		Digital safety input								1		UTE	
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				220		Safety digital output								1		UTE	
				221		Safety digital output								1		UTE	
				240		Digital inputs								1		UTE	
				241		Digital inputs								1		UTE	
				270		Digital outputs								1		UTE	
				271		Digital outputs								1		UTE	
				272		Digital outputs								1		UTE	
273		Digital outputs								1		UTE					
380		Terminal strip								1		UTE					
390		External layout								1		UTE					
391		External layout								1		UTE					


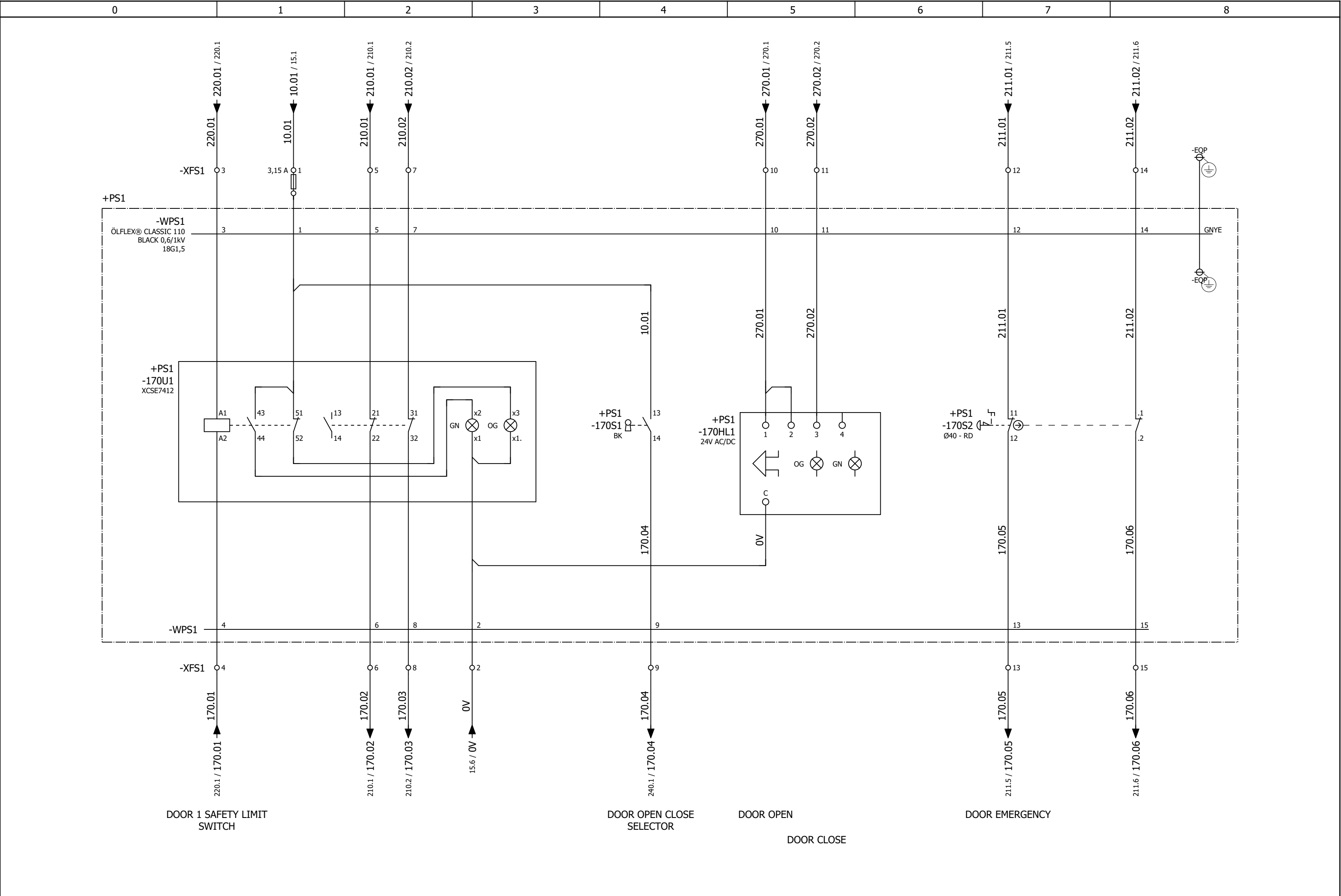
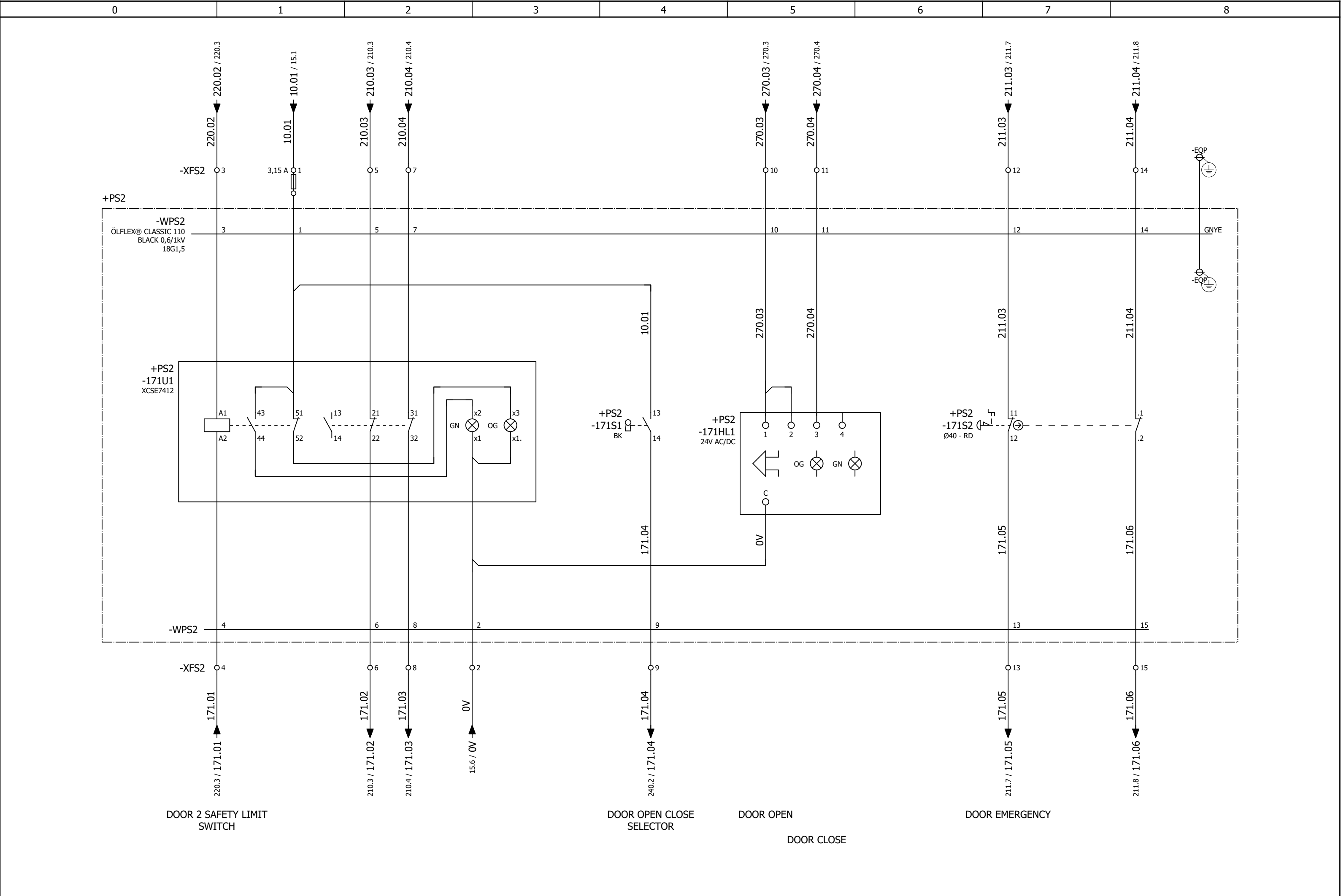
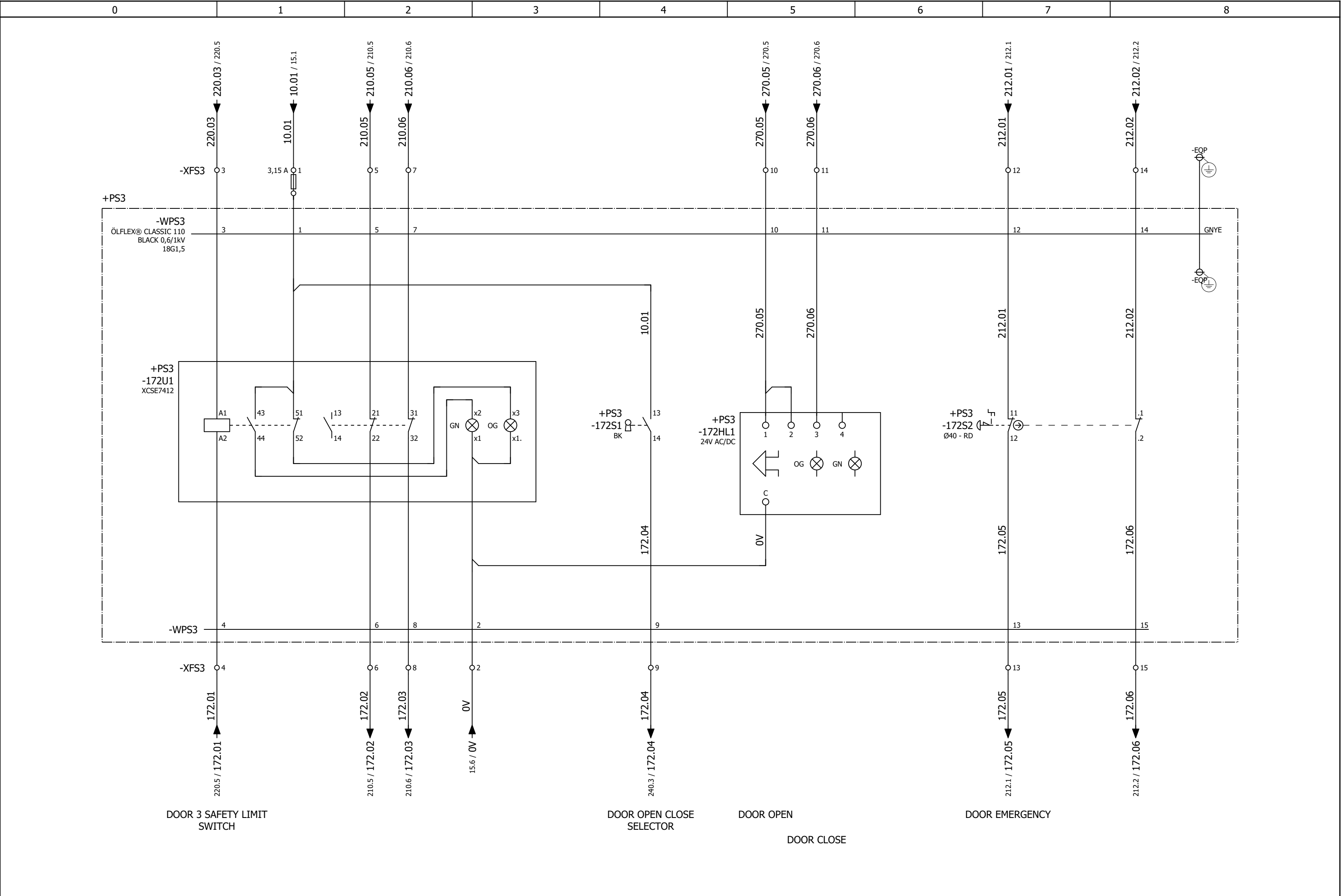
ate	13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Table of contents	+ P20 60-04-97A		2
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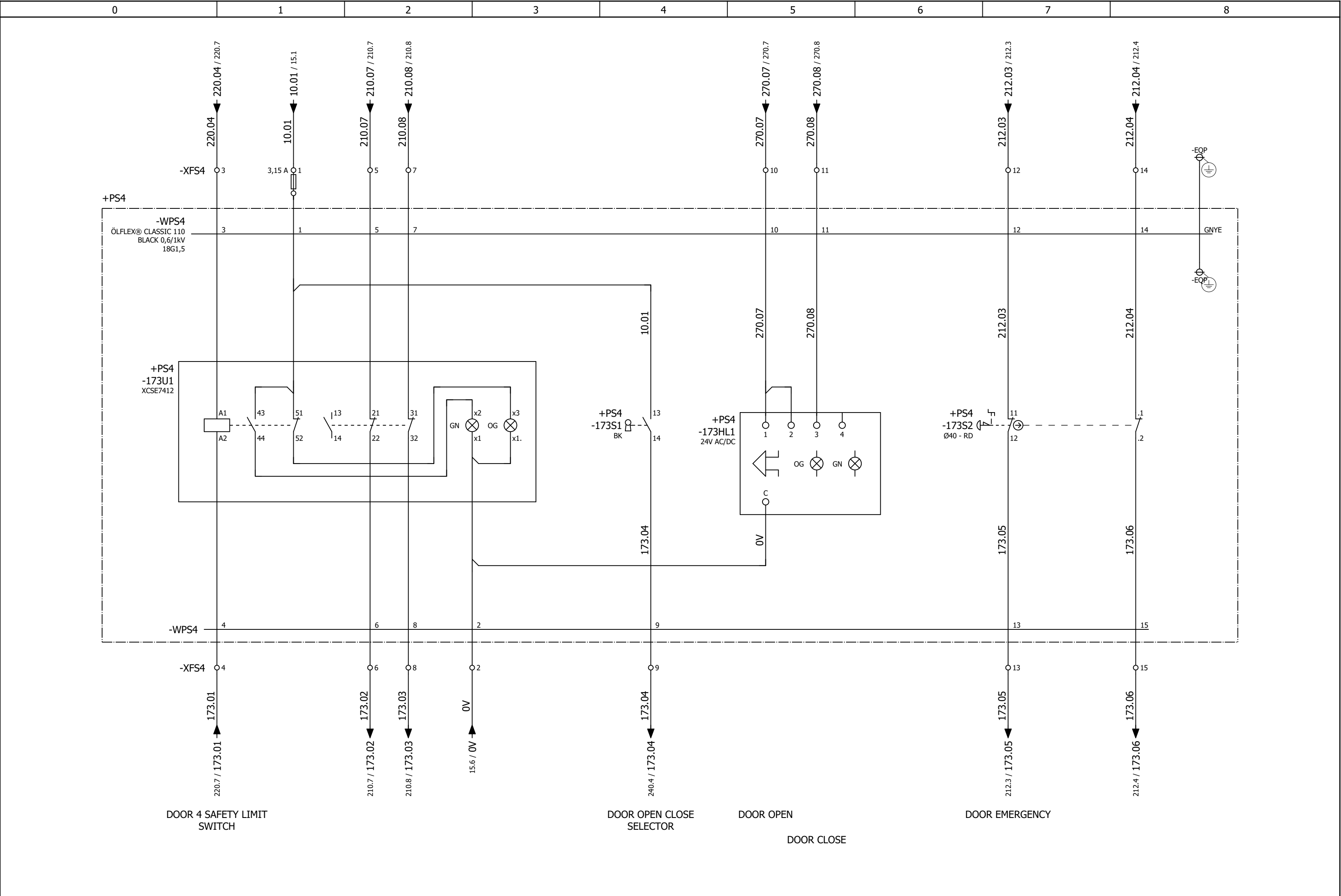
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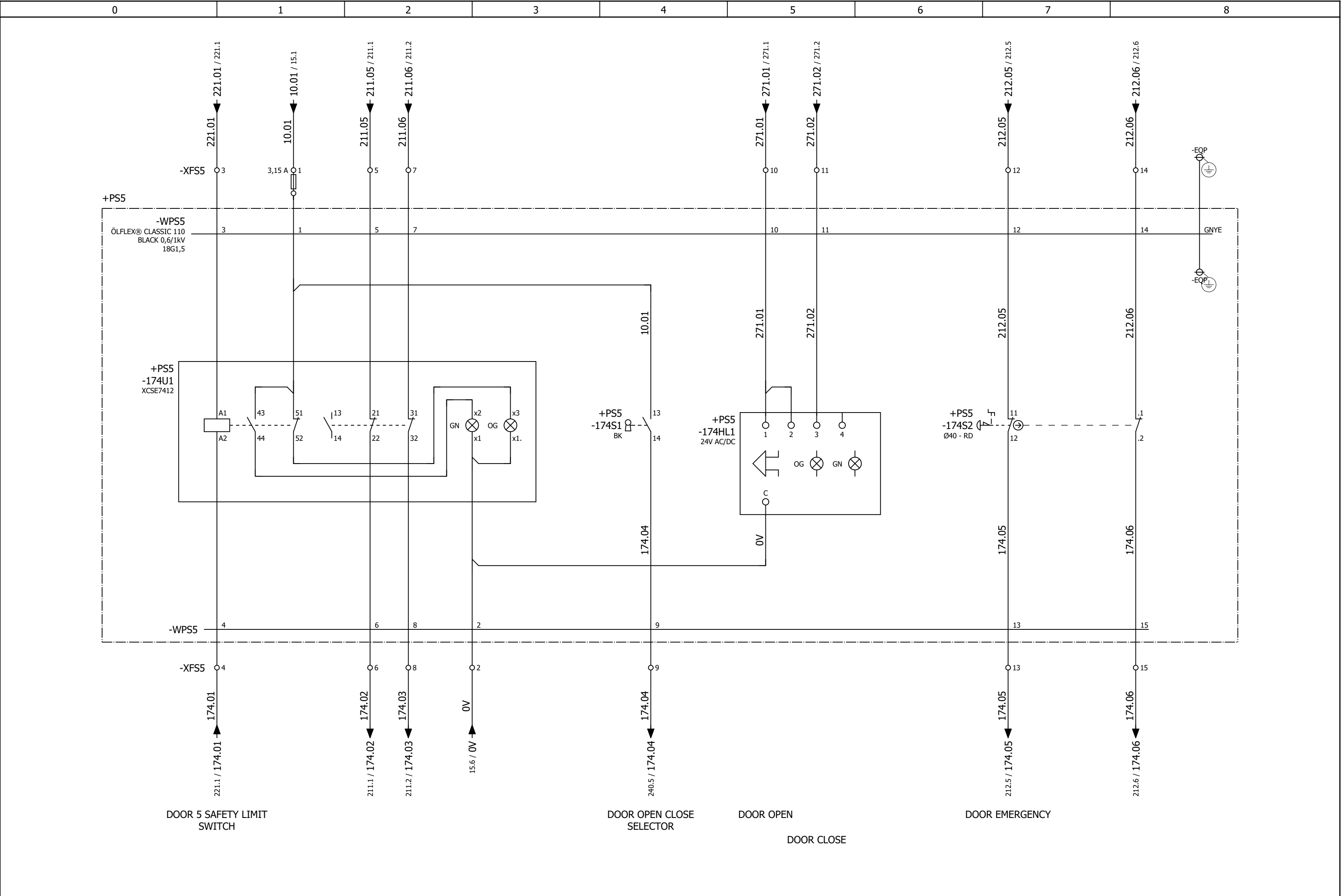
Assignment	Page	Page description	Revision	Edited by
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	393	Internal layout	1	UTE
	394	Layout pulsantiera PS1	1	UTE
	395	Layout pulsantiera PS2	1	UTE
	396	Layout pulsantiera PS3	1	UTE
	397	Layout pulsantiera PS4	1	UTE
	398	Layout pulsantiera PS5	1	UTE
	399	Layout pulsantiera PS6	1	UTE
	400	Terminal diagram =+P20-X24V	1	UTE
	401	Terminal diagram =+P20-XFS1	1	UTE
	402	Terminal diagram =+P20-XFS2	1	UTE
	403	Terminal diagram =+P20-XFS3	1	UTE
	404	Terminal diagram =+P20-XFS4	1	UTE
	405	Terminal diagram =+P20-XFS5	1	UTE
	406	Terminal diagram =+P20-XFS6	1	UTE
	407	Terminal diagram =+P20-XP20	1	UTE
	500	Parts list	1	UTE
	500.a	Parts list	1	UTE
	500.b	Parts list	1	UTE
	500.c	Parts list	1	UTE
	500.d	Parts list	1	UTE
	500.e	Parts list	1	UTE

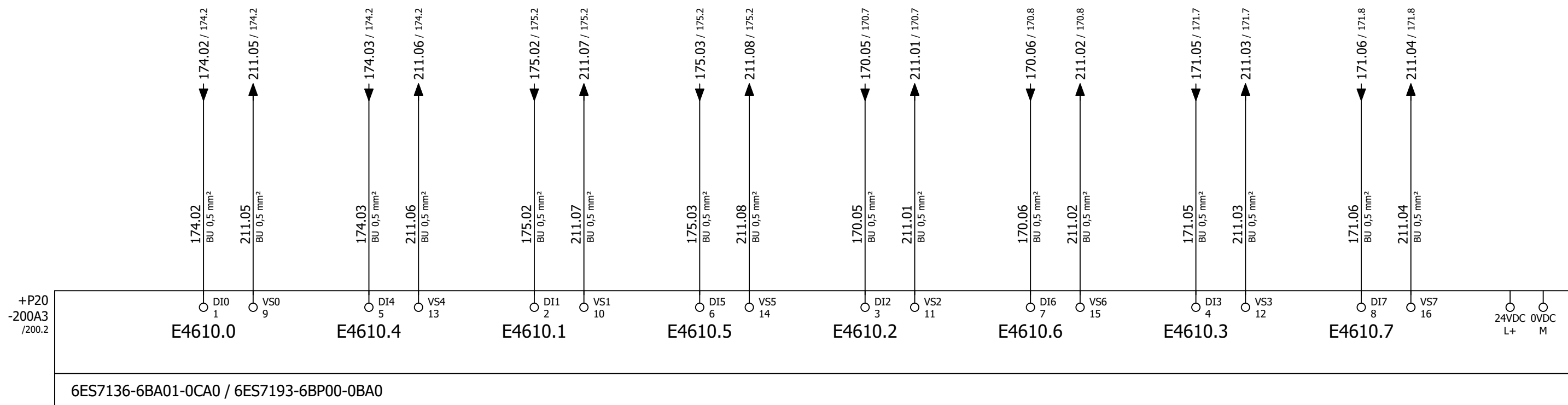












DOOR 5 SAFETY LIMIT
SWITCH CH1

DOOR 5 SAFETY LIMIT
SWITCH CH2

DOOR 6 SAFETY LIMIT
SWITCH CH1

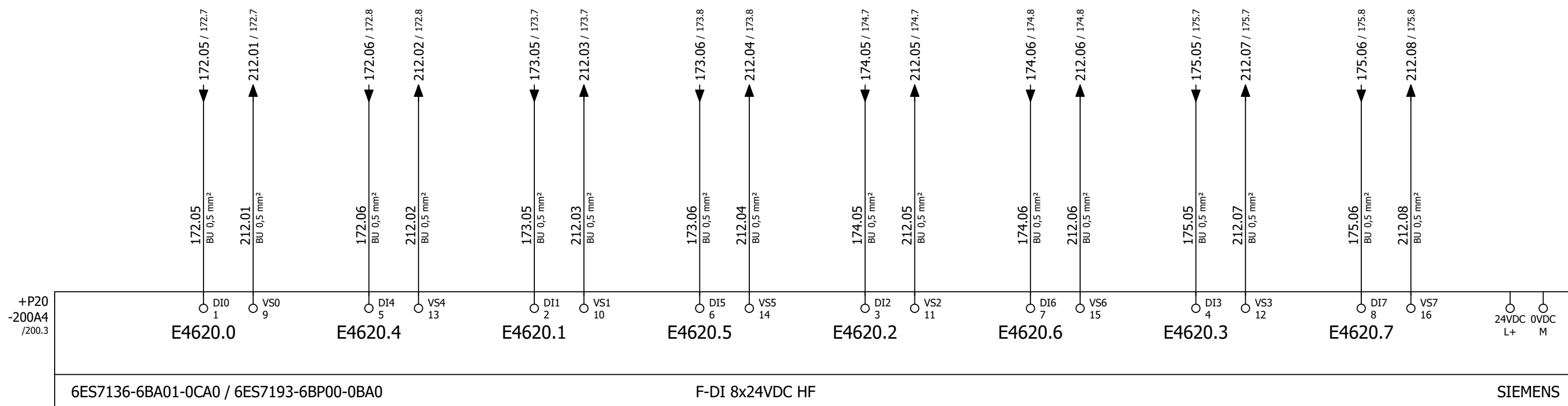
DOOR 6 SAFETY LIMIT
SWITCH CH2

EMERGENCY PUSH
BUTTON DOOR 1 CH1

EMERGENCY PUSH
BUTTON DOOR 1 CH2

EMERGENCY PUSH
BUTTON DOOR 2 CH1

EMERGENCY PUSH
BUTTON DOOR 2 CH2



EMERGENCY PUSH
BUTTON DOOR 3 CH1

EMERGENCY PUSH
BUTTON DOOR 3 CH2

EMERGENCY PUSH
BUTTON DOOR 4 CH1

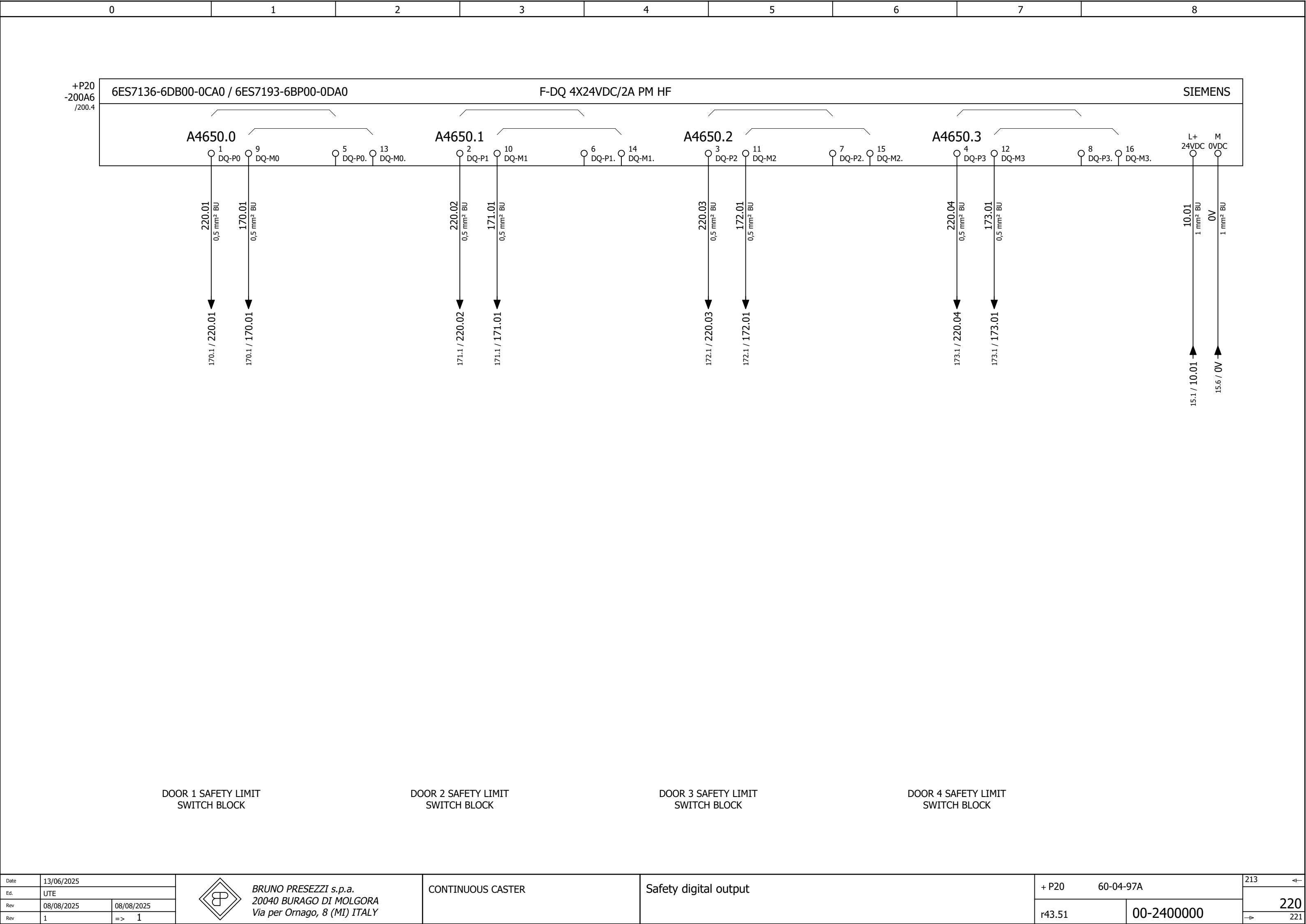
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BUTTON DOOR 4 CH2

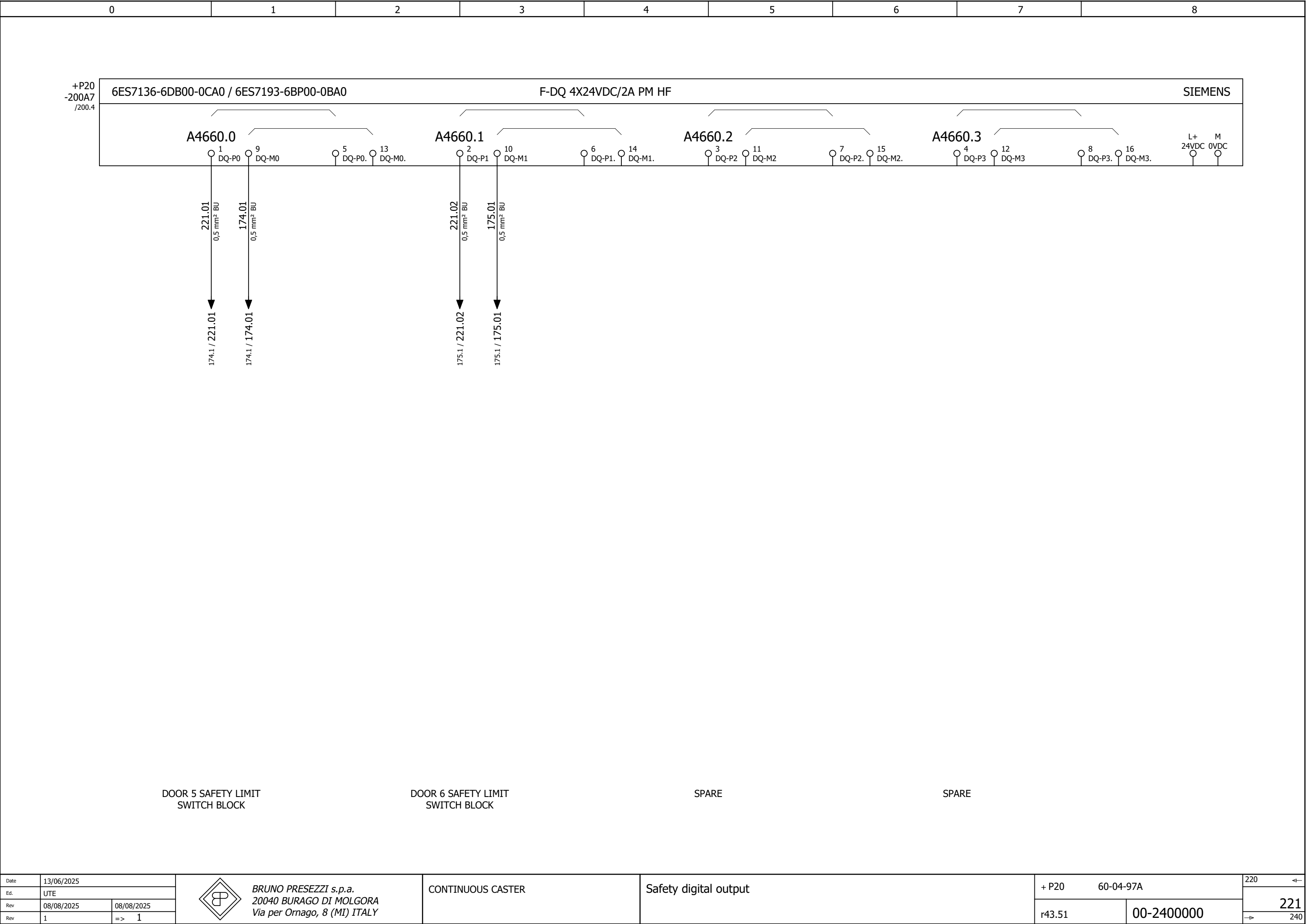
EMERGENCY PUSH
BUTTON DOOR 5 CH1

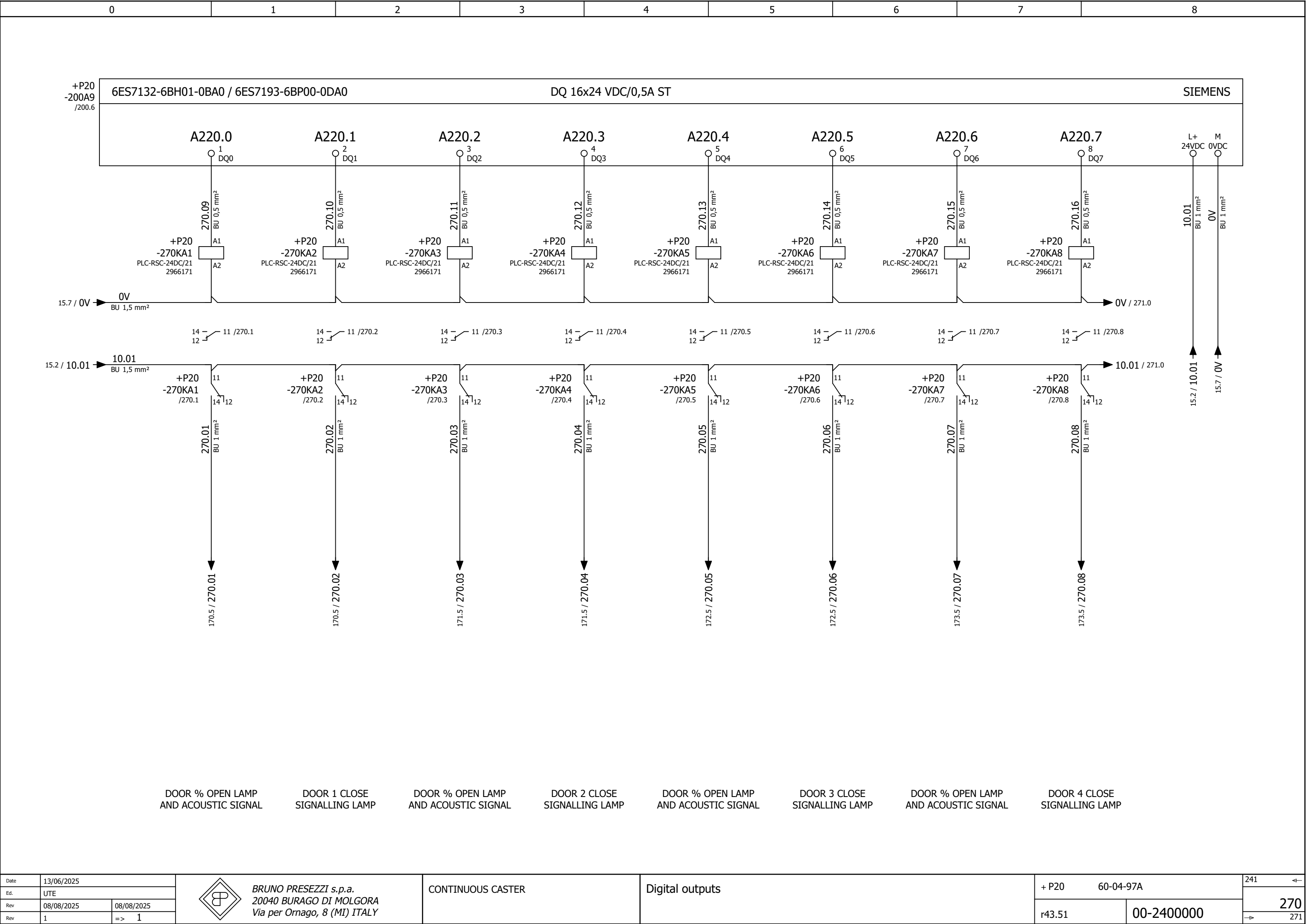
EMERGENCY PUSH
BUTTON DOOR 5 CH2

EMERGENCY PUSH
BUTTON DOOR 6 CH1

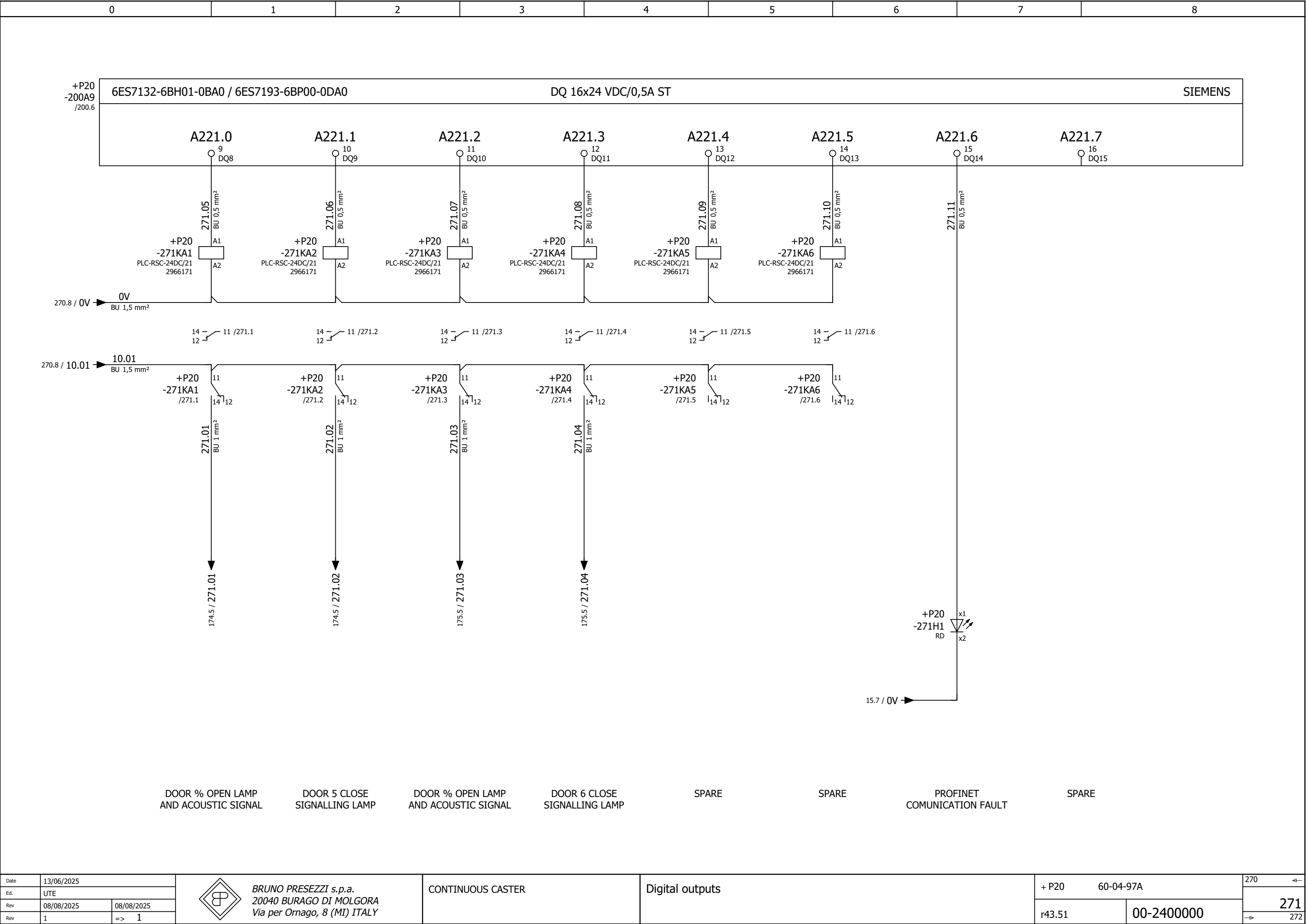
EMERGENCY PUSH
BUTTON DOOR 6 CH2







Date	13/06/2025		<div><div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>	CONTINUOUS CASTER	Digital outputs	+ P20 60-04-97A		241	←
Ed.	UTE					r43.51	00-2400000	270	
Rev	08/08/2025	08/08/2025							271
Rev	1	=> 1							



0		1		2		3		4		5		6		7		8	
+P20 -200A10 /200.6	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0										DQ 16x24 VDC/0,5A ST				SIEMENS		
	A222.0 <div><div>1</div>DQ0</div>		A222.1 <div><div>2</div>DQ1</div>		A222.2 <div><div>3</div>DQ2</div>		A222.3 <div><div>4</div>DQ3</div>		A222.4 <div><div>5</div>DQ4</div>		A222.5 <div><div>6</div>DQ5</div>		A222.6 <div><div>7</div>DQ6</div>		A222.7 <div><div>8</div>DQ7</div>		L+ 24VDC M 0VDC
SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE		SPARE			

Date	13/06/2025		<div><div><div></div></div></div> <div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div>	CONTINUOUS CASTER	Digital outputs	+ P20 60-04-97A		271	←			
Ed.	UTE							272				
Rev	08/08/2025	08/08/2025										
Rev	1	=> 1				r43.51		00-2400000			→ 273	

0		1		2		3		4		5		6		7		8																																								
+P20 -200A10 /200.6	6ES7132-6BH01-0BA0 / 6ES7193-6BP00-0BA0															DQ 16x24 VDC/0,5A ST															SIEMENS																									
	A223.0 <div><div></div><div>9</div><div>DQ8</div></div>					A223.1 <div><div></div><div>10</div><div>DQ9</div></div>					A223.2 <div><div></div><div>11</div><div>DQ10</div></div>					A223.3 <div><div></div><div>12</div><div>DQ11</div></div>					A223.4 <div><div></div><div>13</div><div>DQ12</div></div>					A223.5 <div><div></div><div>14</div><div>DQ13</div></div>					A223.6 <div><div></div><div>15</div><div>DQ14</div></div>					A223.7 <div><div></div><div>16</div><div>DQ15</div></div>																				
SPARE					SPARE					SPARE					SPARE					SPARE					SPARE					SPARE																										
Date		13/06/2025										<div><div><div></div></div><div>BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY</div></div>										CONTINUOUS CASTER										Digital outputs										+ P20 60-04-97A					272					←				
Ed.		UTE																				r43.51					00-2400000					273																								
Rev		08/08/2025					08/08/2025																																																	
Rev		1					=> 1																																			→ 380														

TERMINAL STRIP AND COTORS

-XP20 = Power supply terminal strip

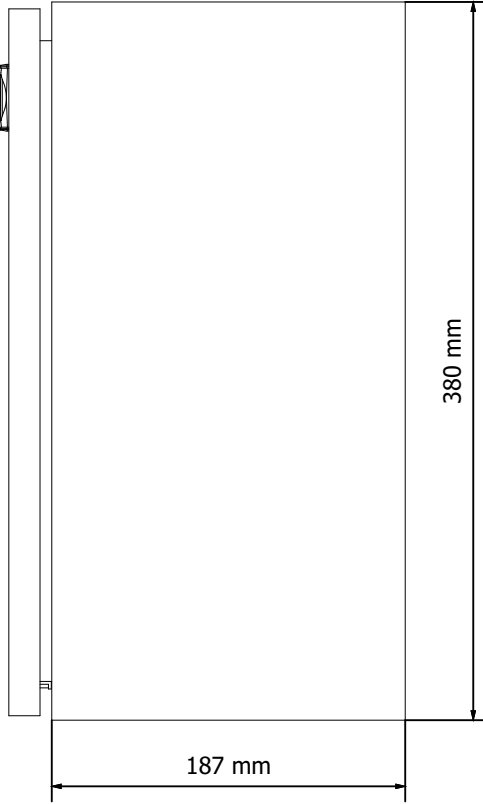
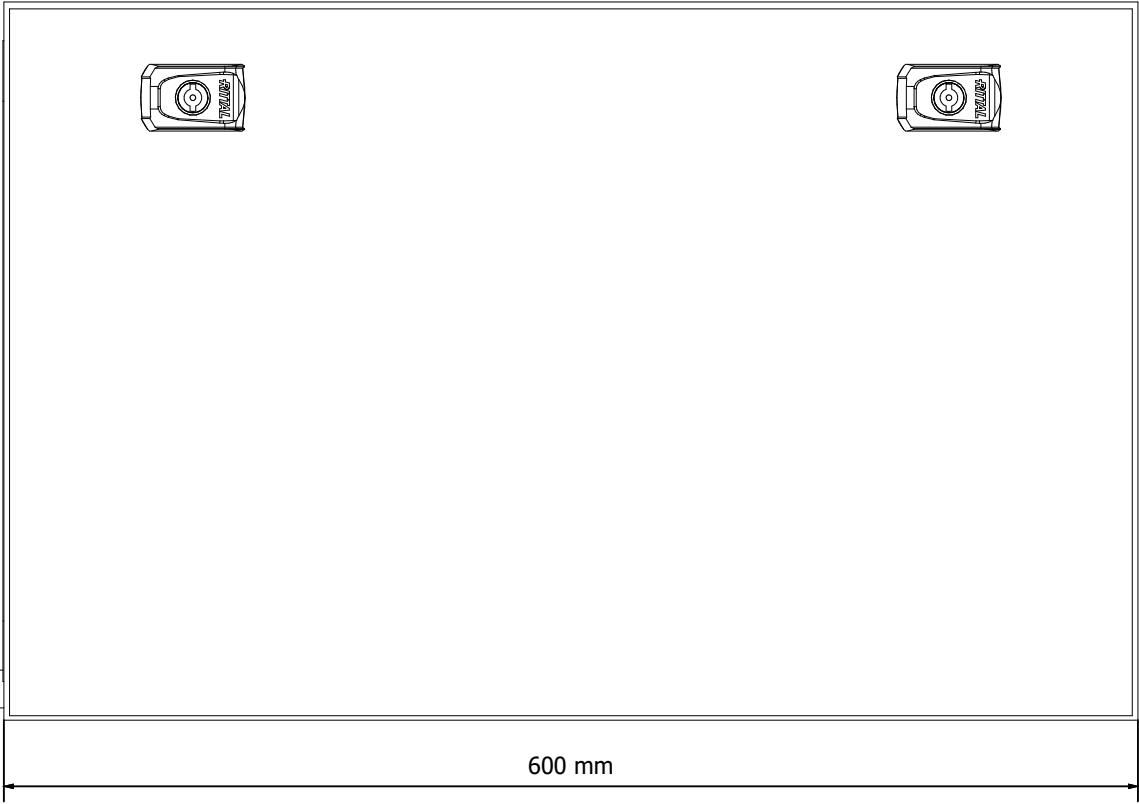
-X24V = 24Vdc common terminal strip

- XFS1 = Control board doors limit switch 1 terminal strip
- XFS2 = Control board doors limit switch 2 terminal strip
- XFS3 = Control board doors limit switch 3 terminal strip
- XFS4 = Control board doors limit switch 4 terminal strip
- XFS5 = Control board doors limit switch 5 terminal strip
- XFS6 = Control board doors limit switch 6 terminal strip

+PS1	-XFS1 = Control board doors limit switch 1 terminal strip
+PS2	-XFS2 = Control board doors limit switch 2 terminal strip
+PS3	-XFS3 = Control board doors limit switch 3 terminal strip
+PS4	-XFS4 = Control board doors limit switch 4 terminal strip
+PS5	-XFS5 = Control board doors limit switch 5 terminal strip
+PS6	-XFS6 = Control board doors limit switch 6 terminal strip

P20

FRONT DOOR
STAINLESS STEEL

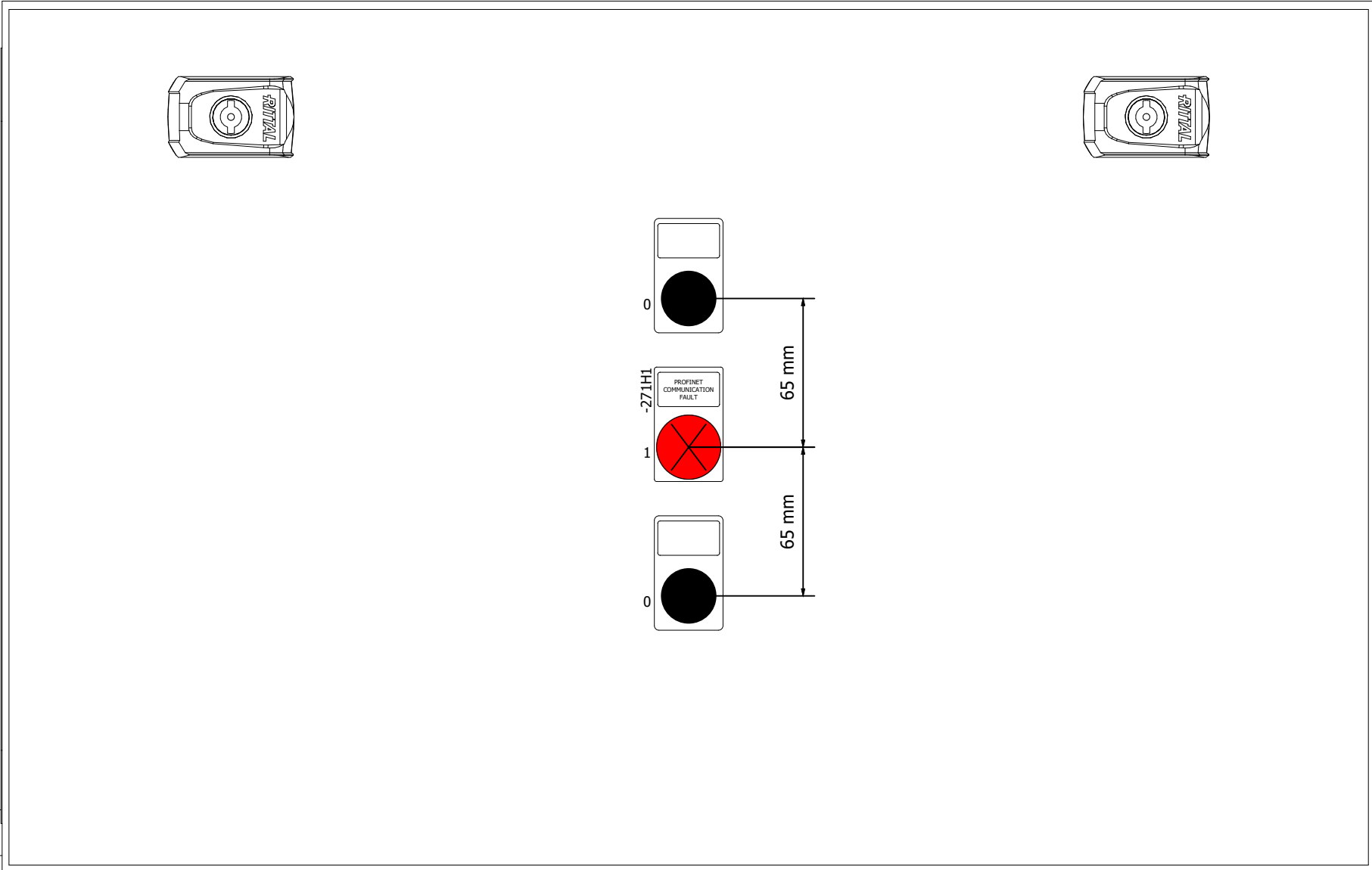


012345678

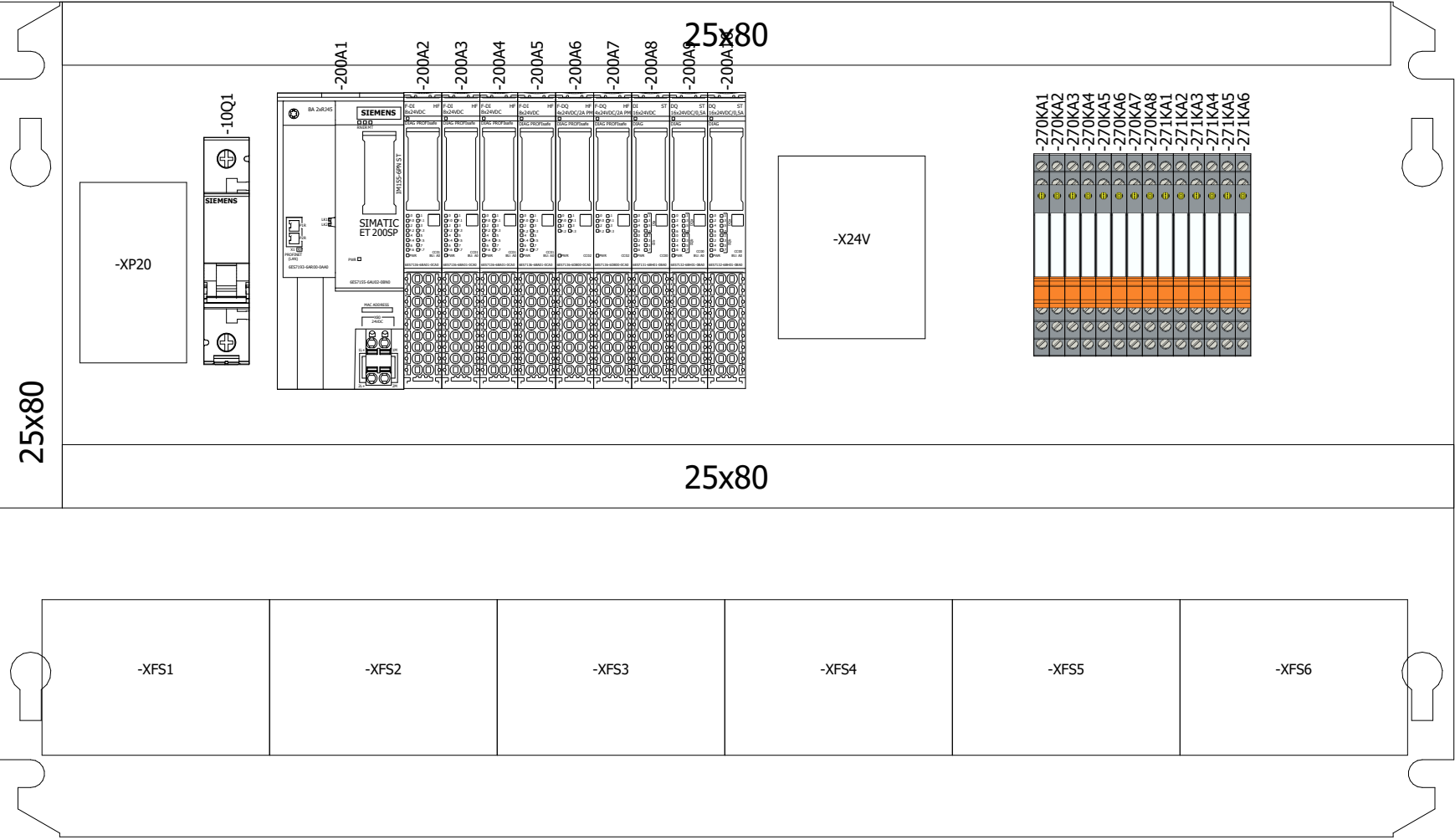
P20

FRONT DOOR

STAINLESS STEEL



P20



Date	13/06/2025	
Ed.	UTE	
Rev	08/08/2025	08/08/2025
Rev	1	=> 1



BRUNO PREZZI s.p.a.
20040 BURAGO DI MOLGORA
Via per Ornago, 8 (MI) ITALY

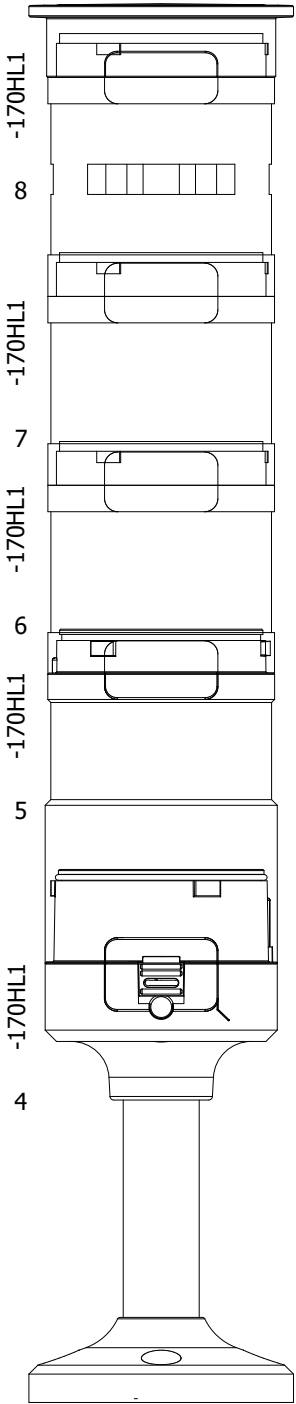
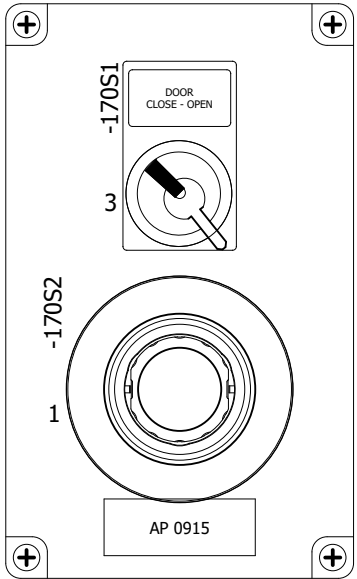
CONTINUOUS CASTER

Internal layout

+ P20	60-04-97A	391	←
r43.51	00-2400000	393	
		→	394

PS1

Enclosure legend

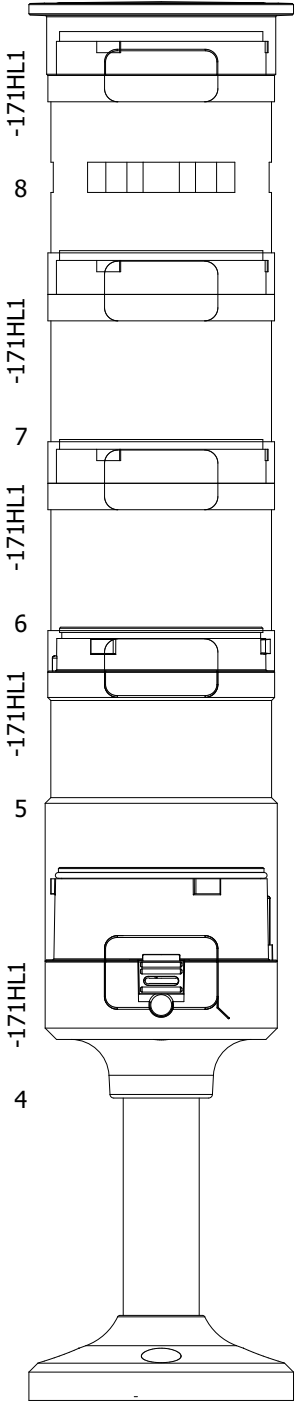
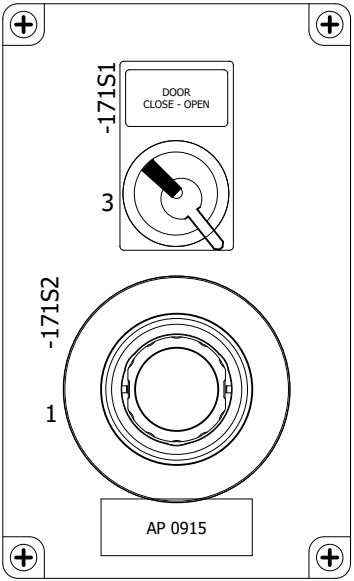


Item number	Device tag	Type number	Type number	Type number
1	170S2	ZBY9320	Label	
2	170S2	ZB4BS844	Mushroom push button	
3	170S1	ZB4BG4	Selector switch	DOOR CLOSE - OPEN
4	170HL1	XVUC21B	Base tower	
5	170HL1	XVUZ02	Accessory tower	
6	170HL1	XVUC23	LED tower	
7	170HL1	XVUC25	LED tower	
8	170HL1	XVUC9S	Siren tower	

PS2

Enclosure legend

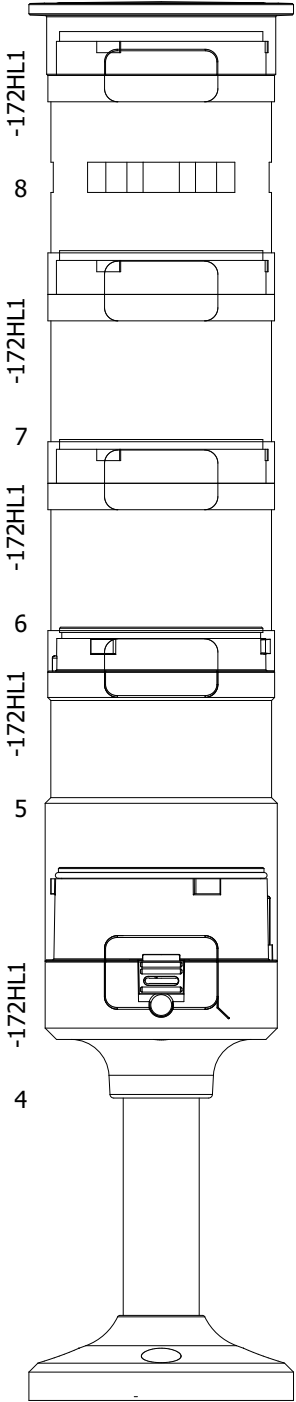
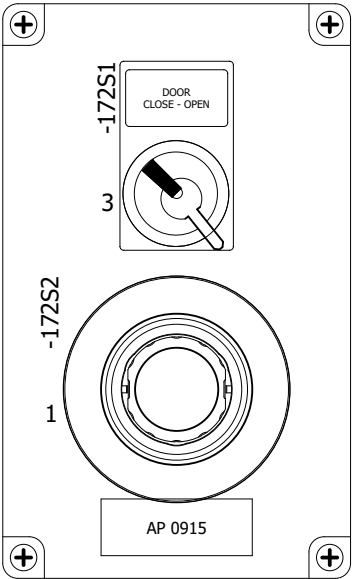
Item number	Device tag	Type number	Type number	Type number
1	171S2	ZBY9320	Label	
2	171S2	ZB4BS844	Mushroom push button	
3	171S1	ZB4BG4	Selector switch	DOOR CLOSE - OPEN
4	171HL1	XVUC21B	Base tower	
5	171HL1	XVUZ02	Accessory tower	
6	171HL1	XVUC23	LED tower	
7	171HL1	XVUC25	LED tower	
8	171HL1	XVUC9S	Siren tower	



PS3

Enclosure legend

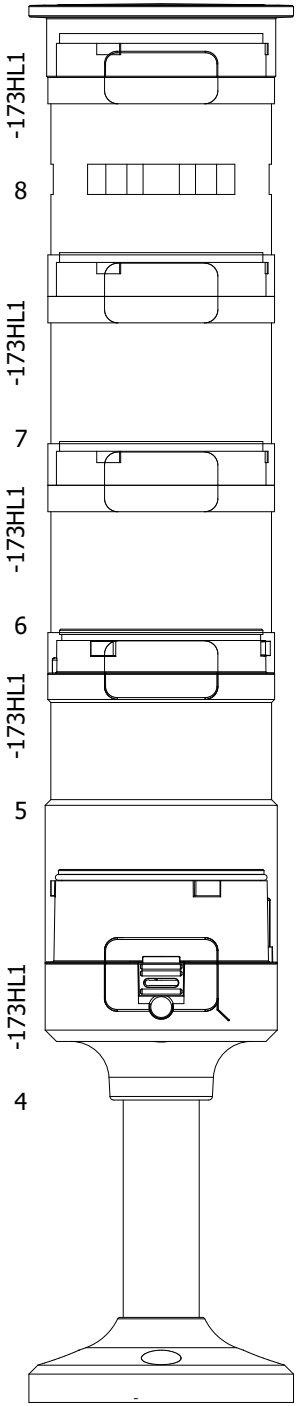
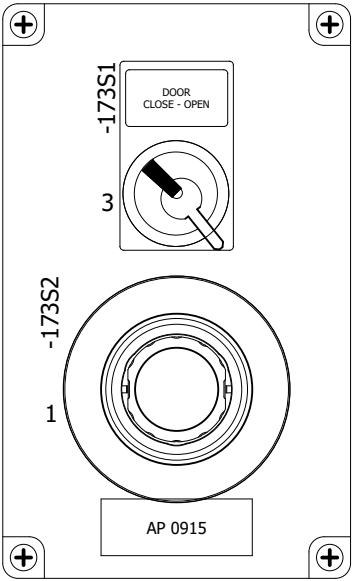
Item number	Device tag	Type number	Type number	Type number
1	172S2	ZBY9320	Label	
2	172S2	ZB4BS844	Mushroom push button	
3	172S1	ZB4BG4	Selector switch	DOOR CLOSE - OPEN
4	172HL1	XVUC21B	Base tower	
5	172HL1	XVUZ02	Accessory tower	
6	172HL1	XVUC23	LED tower	
7	172HL1	XVUC25	LED tower	
8	172HL1	XVUC9S	Siren tower	



PS4

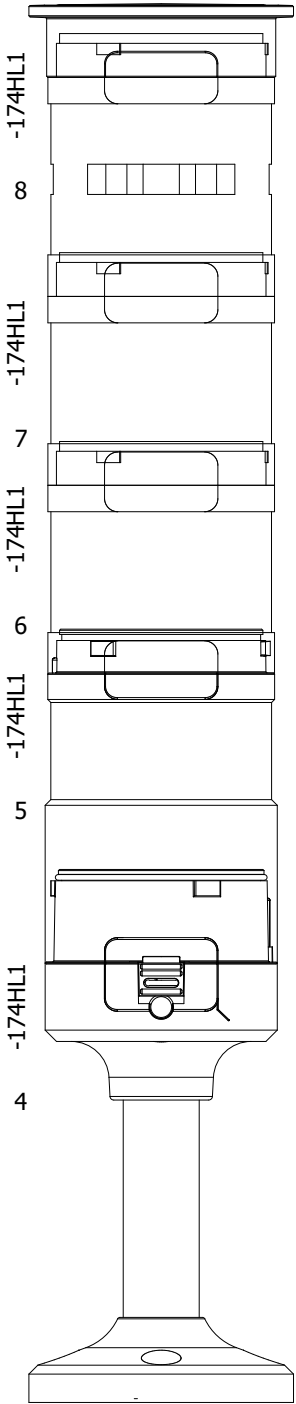
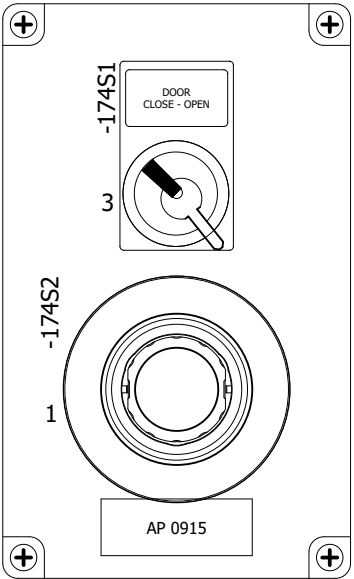
Enclosure legend

Item number	Device tag	Type number	Type number	Type number
1	173S2	ZBY9320	Label	
2	173S2	ZB4BS844	Mushroom push button	
3	173S1	ZB4BG4	Selector switch	DOOR CLOSE - OPEN
4	173HL1	XVUC21B	Base tower	
5	173HL1	XVUZ02	Accessory tower	
6	173HL1	XVUC23	LED tower	
7	173HL1	XVUC25	LED tower	
8	173HL1	XVUC9S	Siren tower	



PS5

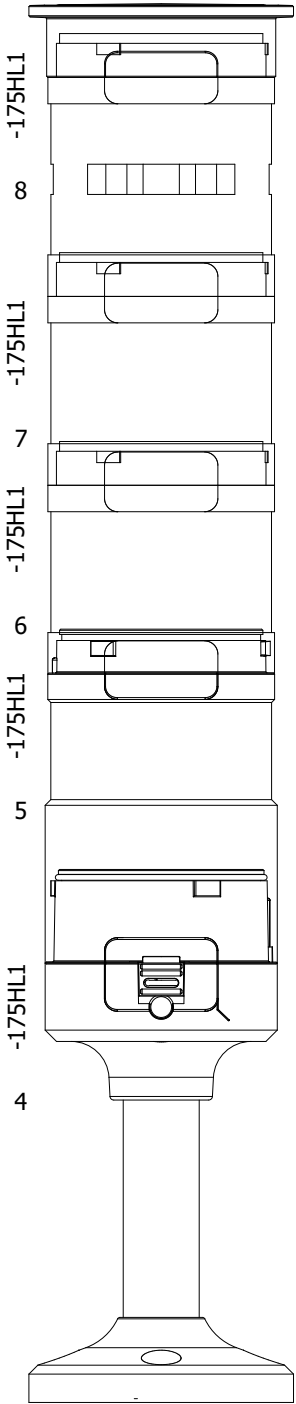
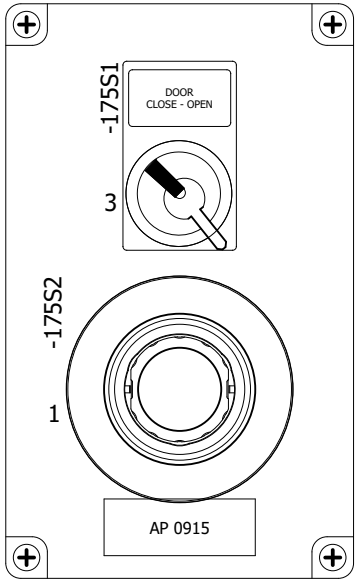
Enclosure legend



Item number	Device tag	Type number	Type number	Type number
1	174S2	ZBY9320	Label	
2	174S2	ZB4BS844	Mushroom push button	
3	174S1	ZB4BG4	Selector switch	DOOR CLOSE - OPEN
4	174HL1	XVUC21B	Base tower	
5	174HL1	XVUZ02	Accessory tower	
6	174HL1	XVUC23	LED tower	
7	174HL1	XVUC25	LED tower	
8	174HL1	XVUC9S	Siren tower	

PS6


Enclosure legend





Item number	Device tag	Type number	Type number	Type number
1	175S2	ZBY9320	Label	
2	175S2	ZB4BS844	Mushroom push button	
3	175S1	ZB4BG4	Selector switch	DOOR CLOSE - OPEN
4	175HL1	XVUC21B	Base tower	
5	175HL1	XVUZ02	Accessory tower	
6	175HL1	XVUC23	LED tower	
7	175HL1	XVUC25	LED tower	
8	175HL1	XVUC9S	Siren tower	

Terminal diagram

										External Designation										Designation Internal					
Function text	Cable name									=+P20-X24V									Cable name	Page / column					
	Cable type									24Vdc common terminal strip									Cable type						
										Component	Filo Wire		Terminal	Jumper	Tip Type	Component									
									Internal	External	Internal														
DISTRIBUTION 24Vdc P20									-XFS1	10.01	10.01	1	●	2,5	-10Q1				&SCH/15.1						
									-XFS2				●												
									-XFS3				●												
DISTRIBUTION 24Vdc P20									-XFS5	10.01	10.01	1	●	2,5	-XFS4				&SCH/15.1						
									-XFS6				●												
									-200A1				●												
DISTRIBUTION 24Vdc P20									-200A5	10.01	10.01	1	●	2,5	-200A2				&SCH/15.1						
									-200A7				●												
									-200A8				●												
DISTRIBUTION 24Vdc P20									-XP20	10.01	10.01	1	●	2,5	-270KA1				&SCH/15.2						
=									-XFS1	0V	0V	2	●	2,5	-XP20				&SCH/15.6						
									-XFS2				●												
									-XFS3				●												
DISTRIBUTION 24Vdc P20									-XFS5	0V	0V	2	●	2,5	-XFS4				&SCH/15.6						
									-XFS6				●												
									-200A1				●												
DISTRIBUTION 24Vdc P20									-200A5	0V	0V	2	●	2,5	-200A2				&SCH/15.6						
									-200A7				●												
									-200A8				●												
DISTRIBUTION 24Vdc P20									-271H1	0V	0V	2	●	2,5	-270KA1				&SCH/15.7						
=												2	●	2,5				&SCH/15.7							
													●												
														</											

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P20-XFS3	+ P20 60-04-97A		402 ←
UTE							403
08/08/2025	08/08/2025						
1	=> 1				r43.51	00-2400000	

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P20-XFS4	+ P20 60-04-97A		403
UTE					r43.51	00-2400000	40
08/08/2025	08/08/2025						40
1	=> 1						40

13/06/2025		 BRUNO PRESEZZI s.p.a. 20040 BURAGO DI MOLGORA Via per Ornago, 8 (MI) ITALY	CONTINUOUS CASTER	Terminal diagram = +P20-XFS6	+ P20 60-04-97A		405	
UTE							406	
08/08/2025	08/08/2025				r43.51	00-2400000		407
1	=> 1							

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
-10Q1	1	Circui breaker	5SY6106-7	Siemens	SIE.5SY6106-7
-XP20	4	Feed-through terminal	ST 10	Phoenix Contact	PXC.3036110
-X24V	9	Feed-through terminal	ST 2,5-QUATTRO	Phoenix Contact	PXC.3031306
-XFS1	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XFS1	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XFS1	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XFS2	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XFS2	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XFS2	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XFS3	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XFS3	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XFS3	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XFS4	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XFS4	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XFS4	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XFS5	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XFS5	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XFS5	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-XFS6	1	Fuse holder trminal	ST 4-HESI (5X20)	Phoenix Contact	PXC.3036369
-XFS6	1	Fuse 5x20	0103153	Italweber	IW.0103153
-XFS6	14	Feed-through terminal block	ST 2,5	Phoenix Contact	PXC.3031212
-200A1	1	IM 155-6 PN ST INCL. BA 2XRJ45	6ES7155-6AA02-0BN0	Siemens	SIE.6ES7155-6AA02-0BN0
-200A1	2	Profinet connector	6GK1901-1BB10-2AA0	Siemens	SIE.6GK1901-1BB10-2AA0
-200A2	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A2	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A3	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A3	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-200A4	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A4	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A5	1	Digital input card	6ES7136-6BA01-0CA0	Siemens	SIE.6ES7136-6BA01-0CA0
-200A5	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A6	1	Digita output card	6ES7136-6DB00-0CA0	Siemens	SIE.6ES7136-6DB00-0CA0
-200A6	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A7	1	Digita output card	6ES7136-6DB00-0CA0	Siemens	SIE.6ES7136-6DB00-0CA0
-200A7	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-200A8	1	Digital input board	6ES7131-6BH01-0BA0	Siemens	SIE.6ES7131-6BH01-0BA0
-200A8	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A9	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A9	1	Base unit	6ES7193-6BP00-0DA0	Siemens	SIE.6ES7193-6BP00-0DA0
-200A10	1	Digita output card	6ES7132-6BH01-0BA0	Siemens	SIE.6ES7132-6BH01-0BA0
-200A10	1	Base unit	6ES7193-6BP00-0BA0	Siemens	SIE.6ES7193-6BP00-0BA0
-270KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA7	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-270KA8	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271H1	1	Lamp	ZB4BV043	Schneider Electric	SE.ZB4BV043
-271H1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
-271H1	1	Led	ZBVB1	Schneider Electric	SE.ZBVB1
-271H1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-271KA1	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA2	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
-271KA3	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA4	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA5	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-271KA6	1	Relay module	PLC-RSC- 24DC/21	Phoenix Contact	PXC.2966171
-390M1	1	AX compact box	AX.1038000	Rittal	RIT.1038000
-390M1	1	SZ Wall mounting bracket, sheet steel, galvanized, Wall distance 10 mm	SZ.2508010	Rittal	RIT.2508010
-391S1	2	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
-391S1	2	Stopper	ZB5SZ3	Schneider Electric	SE.ZB5SZ3
+PS1-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+PS1-170HL1	1	Base tower	XVUC21B	Schneider Electric	SE.XVUC21B
+PS1-170HL1	1	Accessory tower	XVUZ02	Schneider Electric	SE.XVUZ02
+PS1-170HL1	1	Siren tower	XVUC9S	Schneider Electric	SE.XVUC9S
+PS1-170HL1	1	LED tower	XVUC25	Schneider Electric	SE.XVUC25
+PS1-170HL1	1	LED tower	XVUC23	Schneider Electric	SE.XVUC23
+PS1-170S1	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
+PS1-170S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS1-170S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
+PS1-170S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
+PS1-170S2	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
+PS1-170S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS1-170S2	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
+PS1-170S2	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
+PS1-170S2	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
+PS1-394M1	1	Box	AP 0915	ILME	ILME.AP0915
+PS2-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+PS2-171HL1	1	Base tower	XVUC21B	Schneider Electric	SE.XVUC21B
+PS2-171HL1	1	Accessory tower	XVUZ02	Schneider Electric	SE.XVUZ02
+PS2-171HL1	1	Siren tower	XVUC9S	Schneider Electric	SE.XVUC9S

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
+PS2-171HL1	1	LED tower	XVUC25	Schneider Electric	SE.XVUC25
+PS2-171HL1	1	LED tower	XVUC23	Schneider Electric	SE.XVUC23
+PS2-171S1	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
+PS2-171S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS2-171S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
+PS2-171S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
+PS2-171S2	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
+PS2-171S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS2-171S2	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
+PS2-171S2	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
+PS2-171S2	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
+PS2-395M1	1	Box	AP 0915	ILME	ILME.AP0915
+PS3-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+PS3-172HL1	1	Base tower	XVUC21B	Schneider Electric	SE.XVUC21B
+PS3-172HL1	1	Accessory tower	XVUZ02	Schneider Electric	SE.XVUZ02
+PS3-172HL1	1	Siren tower	XVUC9S	Schneider Electric	SE.XVUC9S
+PS3-172HL1	1	LED tower	XVUC25	Schneider Electric	SE.XVUC25
+PS3-172HL1	1	LED tower	XVUC23	Schneider Electric	SE.XVUC23
+PS3-172S1	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
+PS3-172S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS3-172S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
+PS3-172S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
+PS3-172S2	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
+PS3-172S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS3-172S2	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
+PS3-172S2	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
+PS3-172S2	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
+PS3-396M1	1	Box	AP 0915	ILME	ILME.AP0915

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
+PS4-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+PS4-173HL1	1	Base tower	XVUC21B	Schneider Electric	SE.XVUC21B
+PS4-173HL1	1	Accessory tower	XVUZ02	Schneider Electric	SE.XVUZ02
+PS4-173HL1	1	Siren tower	XVUC9S	Schneider Electric	SE.XVUC9S
+PS4-173HL1	1	LED tower	XVUC25	Schneider Electric	SE.XVUC25
+PS4-173HL1	1	LED tower	XVUC23	Schneider Electric	SE.XVUC23
+PS4-173S1	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
+PS4-173S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS4-173S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
+PS4-173S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
+PS4-173S2	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
+PS4-173S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS4-173S2	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
+PS4-173S2	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
+PS4-173S2	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
+PS4-397M1	1	Box	AP 0915	ILME	ILME.AP0915
+PS5-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+PS5-174HL1	1	Base tower	XVUC21B	Schneider Electric	SE.XVUC21B
+PS5-174HL1	1	Accessory tower	XVUZ02	Schneider Electric	SE.XVUZ02
+PS5-174HL1	1	Siren tower	XVUC9S	Schneider Electric	SE.XVUC9S
+PS5-174HL1	1	LED tower	XVUC25	Schneider Electric	SE.XVUC25
+PS5-174HL1	1	LED tower	XVUC23	Schneider Electric	SE.XVUC23
+PS5-174S1	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
+PS5-174S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS5-174S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
+PS5-174S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
+PS5-174S2	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
+PS5-174S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Part number
+PS5-174S2	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
+PS5-174S2	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
+PS5-174S2	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
+PS5-398M1	1	Box	AP 0915	ILME	ILME.AP0915
+PS6-EQP	1	Threaded bar	BRF1005	TEKNOMEGA	TKM.BRF 12X5X1000
+PS6-175HL1	1	Base tower	XVUC21B	Schneider Electric	SE.XVUC21B
+PS6-175HL1	1	Accessory tower	XVUZ02	Schneider Electric	SE.XVUZ02
+PS6-175HL1	1	Siren tower	XVUC9S	Schneider Electric	SE.XVUC9S
+PS6-175HL1	1	LED tower	XVUC25	Schneider Electric	SE.XVUC25
+PS6-175HL1	1	LED tower	XVUC23	Schneider Electric	SE.XVUC23
+PS6-175S1	1	Selector switch	ZB4BG4	Schneider Electric	SE.ZB4BG4
+PS6-175S1	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS6-175S1	1	1NO contact	ZBE101	Schneider Electric	SE.ZBE101
+PS6-175S1	1	Plate holder	ZBZ33	Schneider Electric	SE.ZBZ33
+PS6-175S2	1	Mushroom push button	ZB4BS844	Schneider Electric	SE.ZB4BS844
+PS6-175S2	1	Contact holder	ZB4BZ009	Schneider Electric	SE.ZB4BZ009
+PS6-175S2	2	1NC contact	ZBE302	Schneider Electric	SE.ZBE302
+PS6-175S2	1	Label	ZBY9320	Schneider Electric	SE.ZBY9320
+PS6-175S2	1	Guard	ZBZ1604	Schneider Electric	SE.ZBZ1604
+PS6-399M1	1	Box	AP 0915	ILME	ILME.AP0915

SUMMARY CABLES

CABLE LINE SEF	DESCRIPTION	ORIGIN	DESTINATION	CABLE TYPE	CODE	CONDUCTOR /SECTION mm²	LENGHT mt	CABLE PIT	SUPPLIER
r43.51 +C01-W100M1 <i>PAG. +C01&SCH/100.1</i>	MOTOR DAMPER START-UP	+C01-100T1	+BM-100M1	6FX8002	SIE.6FX8002-5DN16-2BA0		110		
r43.51 +C01-W105M1 <i>PAG. +C01&SCH/105.1</i>	HORIZONTAL ADJUSTE TIP MOTOR SIDE	+C01-105T1	+BM-105M1	6FX8002	SIE.6FX8002-5DN16-2BA0		110		
r43.51 +C01-W106M1 <i>PAG. +C01&SCH/106.1</i>	HORIZONTAL ADJUSTE TIP OPERATOR SIDE	+C01-105T1	+BM-106M1	6FX8002	SIE.6FX8002-5DN16-2CA0		120		
r43.51 +C01-W107M1 <i>PAG. +C01&SCH/107.1</i>	VERTICAL ADJUSTE TIP OPERATOR SIDE	+C01-107T1	+BM-107M1	6FX8002	SIE.6FX8002-5DN16-2CA0		120		
r43.51 +C01-W108M1 <i>PAG. +C01&SCH/108.1</i>	VERTICAL ADJUSTE TIP MOTOR SIDE	+C01-107T1	+BM-108M1	6FX8002	SIE.6FX8002-5DN16-2BA0		110		
r43.51 +C01-W110C1 <i>PAG. +C01&SCH/110.0</i>	HEATING TIP SUPPORT 1 OPERATOR SIDE	+C01-XR	+BM-110C1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120346	7G2,5			
r43.51 +C01-W111C1 <i>PAG. +C01&SCH/111.0</i>	HEATING TIP SUPPORT 1 MOTOR SIDE	+C01-XR	+BM-111C2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120346	7G2,5			
r43.51 +C01-W115M1_1A <i>PAG. +C01&SCH/115.0</i>	MOTOR UPPER ROLLER CASTING	+C01-115T1	+BM-115M1	ÖLFLEX® SERVO 2YSLCY-JB	LAPP.1136458	4G50,0 SCH			
r43.51 +C01-W115M1_1B <i>PAG. +C01&SCH/115.0</i>		+C01-115T1	+BM-115M1	ÖLFLEX® SERVO 2YSLCY-JB	LAPP.1136458	4G50,0 SCH			
r43.51 +C01-W115M1_2 <i>PAG. +C01&SCH/115.3</i>	MOTOR UPPER ROLLER CASTING	+C01-XM	+BM-115M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120340	3G2,5			
r43.51 +C01-W117M1 <i>PAG. +C01&SCH/117.1</i>	PUMP UPPER CASTING ROLLER GEARBOX LUBRICATION	+C01-XM	+BM-117M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.51 +C01-W120M1_1A <i>PAG. +C01&SCH/120.0</i>	MOTOR LOWER ROLLER CASTING	+C01-120T1	+BM-120M1	ÖLFLEX® SERVO 2YSLCY-JB	LAPP.1136458	4G50,0 SCH			
r43.51 +C01-W120M1_1B <i>PAG. +C01&SCH/120.0</i>		+C01-120T1	+BM-120M1	ÖLFLEX® SERVO 2YSLCY-JB	LAPP.1136458	4G50,0 SCH			
r43.51 +C01-W120M1_2 <i>PAG. +C01&SCH/120.3</i>	MOTOR LOWER ROLLER CASTING	+C01-XM	+BM-120M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120340	3G2,5			
r43.51 +C01-W122M1 <i>PAG. +C01&SCH/122.1</i>	PUMP LOWER CASTING ROLLER GEARBOX LUBRICATION	+C01-XM	+BM-122M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.51 +C01-W125M1 <i>PAG. +C01&SCH/125.1</i>	STRAPPING MOTOR	+C01-XM	+BM-125M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.51 +C01-W126M1 <i>PAG. +C01&SCH/126.1</i>	MOTOR EXTRACTION ROLLS	+C01-XM	+BM-126M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.51 +C01-W130M1 <i>PAG. +C01&SCH/130.1</i>	UPPER GRAPHITE GUN TRANSLATION MOTOR	+C01-130T1	+BM-130M1	6FX5002	SIE.6FX5002-5DN16-2BA0		110		
r43.51 +C01-W131M1 <i>PAG. +C01&SCH/131.1</i>	LOWER GRAPHITE GUN TRANSLATION MOTOR	+C01-130T1	+BM-131M1	6FX5002	SIE.6FX5002-5DN16-2BA0		110		
r43.51 +C01-W134M1_1 <i>PAG. +C01&SCH/134.1</i>	PREPARATION AGITATOR GRAPHITE TANK 1	+BM-134U1	+BM-134M1	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121342	4G2,5 SCH			
r43.51 +C01-W134M1_2 <i>PAG. +C01&SCH/134.1</i>	=	+C01-XM	+BM-134U1	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121342	4G2,5 SCH			
r43.51 +C01-W134M2_1 <i>PAG. +C01&SCH/134.5</i>	PREPARATION AGITATOR GRAPHITE TANK 2	+BM-134U2	+BM-134M2	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121342	4G2,5 SCH			
r43.51 +C01-W134M2_2 <i>PAG. +C01&SCH/134.5</i>	=	+C01-XM	+BM-134U2	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121342	4G2,5 SCH			
r43.51 +C01-W140M1 <i>PAG. +C01&SCH/140.1</i>	MOTOR PINCH-ROLL 1	+C01-140T1	+BM-140M1	6FX5002	SIE.6FX5002-5DN16-2AA0		100		

SUMMARY CABLES

CABLE		DESCRIPTION	ORIGIN	DESTINATION	CABLE TYPE	CODE	CONDUCTOR /SECTION	LENGHT	CABLE PIT	SUPPLIER
LINE	SEF						mm²	mt		
r43.51	+C01-W147M1_1	SPINDLE MILLING MOTOR MACHINE SIDE	+JB40-XM	+BM-147M1	ÖLFLEX® SERVO FD 781 CY	LAPP.0036324	4G10 SCH			
	PAG. +C01&SCH/147.1									
r43.51	+C01-W147M1_2	=	+C01-XM	+JB40-XM	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121372	4G10 SCH			
	PAG. +C01&SCH/147.1									
r43.51	+C01-W147M2_1	SPINDLE MILLING MOTOR OPERATOR SIDE	+JB40-XM	+BM-147M2	ÖLFLEX® SERVO FD 781 CY	LAPP.0036324	4G10 SCH			
	PAG. +C01&SCH/147.5									
r43.51	+C01-W147M2_2	=	+C01-XM	+JB40-XM	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121372	4G10 SCH			
	PAG. +C01&SCH/147.5									
r43.51	+C01-W150M1_1	CHIP EXTRACTOR MOTOR	+C01-XM2	+BM-150M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120370	4G10,0			
	PAG. +C01&SCH/150.0									
r43.51	+C01-W150M1_2	=	+C01-XM2	+BM-150M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120370	4G10,0			
	PAG. +C01&SCH/150.1									
r43.51	+C01-W151M1	CHIPPING UNLOADING VALVE	+C01-XM2	+BM-151M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
	PAG. +C01&SCH/151.1									
r43.51	+C01-W152M1	MOTORE BLOWER	+C01-XM2	+BM-152U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
	PAG. +C01&SCH/152.1									
r43.51	+C01-W152M1_1	=	+BM-152U1	+BM-152M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
	PAG. +C01&SCH/152.1									
r43.51	+C01-W153M1	MOTOR CHIPS BLOWER	+C01-XM2	+BM-153U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
	PAG. +C01&SCH/153.1									
r43.51	+C01-W153M1_1	=	+BM-153U1	+BM-153M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
	PAG. +C01&SCH/153.1									
r43.51	+C01-W155M1	MOTOR PINCH-ROLL 2	+C01-140T1	+BM-155M1	6FX5002	SIE.6FX5002-5DN16-2AA0		100		
	PAG. +C01&SCH/155.1									
r43.51	+C01-W165M1_1	MOTOR RECOILER	+C01-165T1	+BM-165M1	ÖLFLEX® SERVO 2YSLCY-JB	LAPP.1136456	4G25,0 SCH			
	PAG. +C01&SCH/165.1									
r43.51	+C01-W165M1_2	=	+C01-XM	+BM-165M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
	PAG. +C01&SCH/165.3									
r43.51	+C01-W167M1	MOTOR PUMP RECOILER LUBRIFICATION	+C01-XM	+BM-167M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
	PAG. +C01&SCH/167.1									
r43.51	+C01-W168M1	MOTOR EXCHANGER WINDER	+C01-XM	+BM-168M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
	PAG. +C01&SCH/168.1									
r43.51	+C01-W171M1_1	MOTOR UNLOADING CAR TRASLATION	+JB60-XM	+BM-171M1	ÖLFLEX® SERVO FD 781 CY	LAPP.0036321	4G2,5			
	PAG. +C01&SCH/171.1									
r43.51	+C01-W171M1_2	=	+C01-XM	+JB60-XM	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121342	4G2,5 SCH			
	PAG. +C01&SCH/171.1									
r43.51	+C01-W173M1	MOTOR LOAD SPOOL	+C01-XM	+BM-173M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
	PAG. +C01&SCH/173.1									
r43.51	+C01-W175M1_1	MOTOR PUMP 1 LOW PRESSURE	+C01-XM2	+BM-175M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120378	4G25,0			
	PAG. +C01&SCH/175.0									
r43.51	+C01-W175M1_2	=	+C01-XM2	+BM-175M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120378	4G25,0			
	PAG. +C01&SCH/175.1									
r43.51	+C01-W176M1_1	MOTOR PUMP 2 LOW PRESSURE	+C01-XM2	+BM-176M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120378	4G25,0			
	PAG. +C01&SCH/176.0									
r43.51	+C01-W176M1_2	=	+C01-XM2	+BM-176M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120378	4G25,0			
	PAG. +C01&SCH/176.1									
r43.51	+C01-W177M1_1	MOTOR PUMP 3 LOW PRESSURE	+C01-XM2	+BM-177M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120378	4G25,0			
	PAG. +C01&SCH/177.0									

SUMMARY CABLES

CABLE LINE SEF	DESCRIPTION	ORIGIN	DESTINATION	CABLE TYPE	CODE	CONDUCTOR /SECTION mm²	LENGHT mt	CABLE PIT	SUPPLIER
r43.51 +C01-W177M1_2 <i>PAG. +C01&SCH/177.1</i>	MOTOR PUMP 3 LOW PRESSURE	+C01-XM2	+BM-177M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120378	4G25,0			
r43.51 +C01-W178M1 <i>PAG. +C01&SCH/178.1</i>	MOTOR PUMP 1 LOW PRESSURE OIL RECIRCULATION	+C01-XM2	+BM-178M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +C01-W178M2 <i>PAG. +C01&SCH/178.3</i>	MOTOR PUMP 2 LOW PRESSURE OIL RECIRCULATION	+C01-XM2	+BM-178M2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +C01-W179R1 <i>PAG. +C01&SCH/179.1</i>	HEATING RESISTANCES LOW PRESSURE OIL	+C01-XM2	+BM-179R1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.51 +C01-W179R2 <i>PAG. +C01&SCH/179.2</i>	=	+C01-XM2	+BM-179R2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.51 +C01-W180M1_1 <i>PAG. +C01&SCH/180.0</i>	MOTOR PUMP 1 HIGH PRESSURE	+C01-XM2	+BM-180M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120374	4G16,0			
r43.51 +C01-W180M1_2 <i>PAG. +C01&SCH/180.1</i>	=	+C01-XM2	+BM-180M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120374	4G16,0			
r43.51 +C01-W181M1_1 <i>PAG. +C01&SCH/181.0</i>	=	+C01-XM2	+BM-181M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120374	4G16,0			
r43.51 +C01-W181M1_2 <i>PAG. +C01&SCH/181.1</i>	=	+C01-XM2	+BM-181M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120374	4G16,0			
r43.51 +C01-W183M1 <i>PAG. +C01&SCH/183.1</i>	MOTOR PUMP 1 HIGH PRESSURE OIL RECIRCULATION	+C01-XM2	+BM-183M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.51 +C01-W183M2 <i>PAG. +C01&SCH/183.3</i>	MOTOR PUMP 2 HIGH PRESSURE OIL RECIRCULATION	+C01-XM2	+BM-183M2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.51 +C01-W184R1 <i>PAG. +C01&SCH/184.1</i>	HEATING RESISTANCES HIGH PRESSURE OIL	+C01-XM2	+BM-184R1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.51 +C01-W290U1_1 <i>PAG. +C01&SCH/290.0</i>	HORN	+C01-X35A	+C01-247U1	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +C01-WPN5.0 <i>PAG. +C01&SCH/300.5</i>	PROFINET	+C01-190A1	+P01-195A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C01-WPN6.0 <i>PAG. +C01&SCH/300.5</i>	=	+C01-190A1	+P01-190A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C01-WPN8.0 <i>PAG. +C01&SCH/301.5</i>	=	+C01-191A1	+C01-26G1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C01-WPN13.1 <i>PAG. +C01&SCH/304.2</i>	=	+P09-200A1	+P20-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C01-WPN13.2 <i>PAG. +C01&SCH/304.4</i>	=	+P09-200A1	+P13-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C01-WPN13.4 <i>PAG. +C01&SCH/304.8</i>	=	+P12-200A1	+P13-170A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C01-WPN32.1 <i>PAG. +C01&SCH/308.2</i>	=	+P31-200A1	+P32-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C01-WPN32.2 <i>PAG. +C01&SCH/308.4</i>	=	+P32-100A1	+P32-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C01-W115M1_ENC <i>PAG. +C01&SCH/320.3</i>	ENCODER UPPER ROLLER CASTING	+BM-115M1	+C01-115T1	Drive CliQ	SIE.6FX5002-2DC10-2AA0		100		
r43.51 +C01-W120M1_ENC <i>PAG. +C01&SCH/320.4</i>	ENCODER LOWER ROLLER CASTING	+BM-120M1	+C01-120T1	Drive CliQ	SIE.6FX5002-2DC10-2AA0		100		
r43.51 +C01-W165M1_ENC <i>PAG. +C01&SCH/320.6</i>	ENCODER RECOILER	+BM-165M1	+C01-165T1	Drive CliQ	SIE.6FX5002-2DC10-1JF0		85		

SUMMARY CABLES

CABLE LINE SEF	DESCRIPTION	ORIGIN	DESTINATION	CABLE TYPE	CODE	CONDUCTOR /SECTION mm²	LENGHT mt	CABLE PIT	SUPPLIER
r43.51 +C01-W100M1_ENC <i>PAG. +C01&SCH/321.5</i>	ENCODER MOTOR GATE START-UP	+BM-100M1	+P13-121A1	Drive CliQ	SIE.6FX5002-2DC20-1CF0		25		
r43.51 +C01-W105M1_ENC <i>PAG. +C01&SCH/321.6</i>	ENCODER HORIZONTAL TIP ADJUST MOTOR SIDE	+BM-105M1	+P13-121A1	Drive CliQ	SIE.6FX8002-2DC20-1CA0		20		
r43.51 +C01-W106M1_ENC <i>PAG. +C01&SCH/321.7</i>	ENCODER HORIZONTAL TIP ADJUST OPERATOR SIDE	+BM-106M1	+P13-121A1	Drive CliQ	SIE.6FX8002-2DC20-1CF0		25		
r43.51 +C01-W107M1_ENC <i>PAG. +C01&SCH/321.8</i>	ENCODER VERTICAL TIP ADJUST OPERATOR SIDE	+BM-107M1	+P13-121A1	Drive CliQ	SIE.6FX8002-2DC20-1CF0		25		
r43.51 +C01-W108M1_ENC <i>PAG. +C01&SCH/321.8</i>	ENCODER VERTICAL TIP ADJUST MOTOR SIDE	+BM-108M1	+P13-121A1	Drive CliQ	SIE.6FX8002-2DC20-1CA0		20		
r43.51 +C01-W130M1_ENC <i>PAG. +C01&SCH/322.5</i>	ENCODER UPPER GRAPHITE GUN TRANSLATION MOTOR	+BM-130M1	+P13-120A1	Drive CliQ	SIE.6FX8002-2DC20-1CA0		20		
r43.51 +C01-W131M1_ENC <i>PAG. +C01&SCH/322.6</i>	ENCODER LOWER GRAPHITE GUN TRANSLATION MOTOR	+BM-131M1	+P13-120A1	Drive CliQ	SIE.6FX8002-2DC20-1CA0		20		
r43.51 +C01-W140M1_ENC <i>PAG. +C01&SCH/322.8</i>	ENCODER PINCH-ROLL 1	+BM-140M1	+P13-120A1	Drive CliQ	SIE.6FX5002-2DC20-1CA0		20		
r43.51 +C01-W155M1_ENC <i>PAG. +C01&SCH/322.7</i>	ENCODER PINCH-ROLL 2	+BM-155M1	+P13-120A1	Drive CliQ	SIE.6FX5002-2DC20-1DA0		30		
r43.52 +C03-WPN32.0 <i>PAG. +C01&SCH/306.7</i>	PROFINET	+C03-190A1	+P31-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.52 +C03-WPN33.0 <i>PAG. +C01&SCH/306.7</i>	=	+C03-190A1	+P31-198A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.52 +C03-WPN34.0 <i>PAG. +C01&SCH/306.3</i>	=	+C03-190A1	+C03-26G1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.52 +C03-WC01_BM <i>PAG. +C03&SCH/11.6</i>	UNDervOLTAGE COIL CIRCUIT BREAKER	+C01-XC03	+C03-XC01	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120314	7G1,5	10		
r43.52 +C03-WC01_L1 <i>PAG. +C03&SCH/11.1</i>	POWER SUPPLY CONTROL PANEL SERVICES C01	+C01-11U1-L1	+C03-11Q1	H07V-K	LAPP.4521016	1X120	10		
r43.52 +C03-WC01_L2 <i>PAG. +C03&SCH/11.1</i>	=	+C01-11U1-L2	+C03-11Q1	H07V-K	LAPP.4521016	1X120	10		
r43.52 +C03-WC01_L3 <i>PAG. +C03&SCH/11.1</i>	=	+C01-11U1-L3	+C03-11Q1	H07V-K	LAPP.4521016	1X120	10		
r43.52 +C03-WC01_L11 <i>PAG. +C03&SCH/11.1</i>	=	+C01-11U1-L1	+C03-11Q1	H07V-K	LAPP.4521016	1X120	10		
r43.52 +C03-WC01_L21 <i>PAG. +C03&SCH/11.1</i>	=	+C01-11U1-L2	+C03-11Q1	H07V-K	LAPP.4521016	1X120	10		
r43.52 +C03-WC01_L31 <i>PAG. +C03&SCH/11.2</i>	=	+C01-11U1-L3	+C03-11Q1	H07V-K	LAPP.4521016	1X120	10		
r43.52 +C03-WC01_PE <i>PAG. +C03&SCH/11.3</i>	=	+C01-EQP	+C03-EQP	H07V-K	LAPP.4521006	1X120	10		
r43.52 +C03-W76U1 <i>PAG. +C03&SCH/76.1</i>	POWER SUPPLY 230 Vac FILTER CLEANING 1 MAIN	+C03-XEXT1P	+C03-76U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.52 +C03-W76U2 <i>PAG. +C03&SCH/76.2</i>	POWER SUPPLY 230 Vac FILTER CLEANING 2 MAIN	+C03-XEXT1P	+C03-76U2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.52 +C03-W76U3 <i>PAG. +C03&SCH/76.4</i>	POWER SUPPLY 230 Vac FILTER CLEANING 1 AUXILIARY	+C03-XEXT1P	+C03-76U3	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.52 +C03-W76U4 <i>PAG. +C03&SCH/76.6</i>	POWER SUPPLY 230 Vac FILTER CLEANING 2 AUXILIARY	+C03-XEXT1P	+C03-76U4	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			

SUMMARY CABLES

CABLE LINE SEF	DESCRIPTION	ORIGIN	DESTINATION	CABLE TYPE	CODE	CONDUCTOR /SECTION mm²	LENGHT mt	CABLE PIT	SUPPLIER
r43.52 +C03-W100M1 <i>PAG. +C03&SCH/100.1</i>	MOTOR PUMP HOT WATER SUPPLY	+C03-XM	+BM2-100M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.52 +C03-W107M1_1 <i>PAG. +C03&SCH/107.1</i>	MOTOR 1 AUXILIARY SKID	+C03-XM	+BM2-107M1	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121372	4G10 SCH			
r43.52 +C03-W107M2_1 <i>PAG. +C03&SCH/107.5</i>	MOTOR 2 AUXILIARY SKID	+C03-XM	+BM2-107M2	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121372	4G10 SCH			
r43.52 +C03-W112M1_1 <i>PAG. +C03&SCH/112.1</i>	COLD WATER SUPPLY MOTOR PUMP 1 COLD WATER SUPPLY	+C03-XM	+BM2-112M1	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121381	4G25 SCH			
r43.52 +C03-W112M2_1 <i>PAG. +C03&SCH/112.5</i>	COLD WATER SUPPLY MOTOR PUMP 2 COLD WATER SUPPLY	+C03-XM	+BM2-112M2	ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV	LAPP.1121381	4G25 SCH			
r43.52 +C03-W116R1 <i>PAG. +C03&SCH/116.1</i>	HEATING RESISTANCES CASTING WATER	+C03-XR	+BM2-116R1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.52 +C03-W116R2 <i>PAG. +C03&SCH/116.2</i>	=	+C03-XR	+BM2-116R2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.52 +C03-W116R3 <i>PAG. +C03&SCH/116.3</i>	=	+C03-XR	+BM2-116R3	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.52 +C03-W116R4 <i>PAG. +C03&SCH/116.5</i>	=	+C03-XR	+BM2-116R4	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +C09-WPNC01 <i>PAG. +C01&SCH/310.2</i>	PROFINET	+C01-191A1	+C09-90A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C09-WPNC03 <i>PAG. +C01&SCH/310.3</i>	=	+C03-190A1	+C09-90A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +C09-WC09 <i>PAG. +C09&SCH/10.0</i>	230Vac C09 POWER SUPPLY	+C01-XC09	+C09-XC09	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.51 +P01-WPN11.0 <i>PAG. +C01&SCH/303.7</i>	PROFINET	+P01-190A1	+P04-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +P01-WPN12.0 <i>PAG. +C01&SCH/303.6</i>	=	+P01-190A1	+P10-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +P01-WPN13.0 <i>PAG. +C01&SCH/303.6</i>	=	+P01-190A1	+P20-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +P01-WPN15.0 <i>PAG. +C01&SCH/303.6</i>	=	+P01-191A1	+P08-170U5	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +P01-WP01_1 <i>PAG. +P01&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P01	+C01-XP01	+P01-XP01	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.51 +P01-WP01_2 <i>PAG. +P01&SCH/10.2</i>	POWER SUPPLY 24Vdc PC-BOX	+C01-XP01	+P01-XP01	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.51 +P01-WP01_3 <i>PAG. +P01&SCH/10.4</i>	POWER SUPPLY 230VAC P01	+C01-XP01	+P01-XP01	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.51 +P02-WPN13.5 <i>PAG. +C01&SCH/304.2</i>	PROFINET	+P02-200A1	+P12-200A1	Profinet	SIE.6XV1840-3AH10	2x2x22			
r43.51 +P02-WP02 <i>PAG. +P02&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P02	+C01-XP02	+P02-XP02	ÖLFLEX® CLASSIC FD 810	LAPP.0026183	4G6			
r43.51 +P02-WP02_EM <i>PAG. +P02&SCH/180.0</i>	EMERGENCY PUSHBUTTON	+P02-XP02	+P12-XP02	ÖLFLEX® CLASSIC FD 810	LAPP.0026153	7G1,5			
r43.51 +P03-WPN12.1 <i>PAG. +C01&SCH/305.2</i>	PROFINET	+P03-200A1	+P10-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +P03-WP03_1 <i>PAG. +P03&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P03	+C01-XP03	+P03-XP03	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			

SUMMARY CABLES

CABLE LINE SEF	DESCRIPTION	ORIGIN	DESTINATION	CABLE TYPE	CODE	CONDUCTOR /SECTION mm²	LENGHT mt	CABLE PIT	SUPPLIER
r43.51 +P03-WP03_2 <i>PAG. +P03&SCH/10.2</i>	POWER SUPPLY 24VDC VALVES P03	+C01-XP03	+P03-XP03	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120374	4G16,0			
r43.51 +P04-WPN11.1 <i>PAG. +C01&SCH/305.2</i>	PROFINET	+P04-160B1	+P04-200A1	Profinet	SIE.6XV1840-3AH10	2x2x22			
r43.51 +P04-WPN11.2 <i>PAG. +C01&SCH/305.4</i>	=	+P04-160B1	+P04-160B2	Profinet	SIE.6XV1840-3AH10	2x2x22			
r43.51 +P04-WP04 <i>PAG. +P04&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P04	+C01-XP04	+P04-XP04	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120370	4G10,0			
r43.51 +P05-WP05 <i>PAG. +P05&SCH/180.0</i>	EMERGENCY PUSHBUTTON	+P04-XP05	+P05-XP05	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +P06-WP06_1 <i>PAG. +P06&SCH/10.0</i>	SIGNALS C06-C01	+P01-XC1_1	+P06-XC6_1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120328	25G1,5			
r43.51 +P06-WP06_2 <i>PAG. +P06&SCH/183.0</i>	=	+P01-XC1_2	+P06-XC6_2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120328	25G1,5			
r43.51 +P06-WP06_3 <i>PAG. +P06&SCH/186.0</i>	=	+P01-XC1_3	+P06-XC6_3	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120328	25G1,5			
r43.51 +P07-WP07 <i>PAG. +P07&SCH/10.0</i>	POWER SUPPLY 24VDC P07	+P03-XP07	+P07-XP07	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +P08-WPN12.2 <i>PAG. +C01&SCH/305.4</i>	PROFINET	+P03-200A1	+P08-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +P08-WPN12.3 <i>PAG. +C01&SCH/305.2</i>	=	+P08-160B1	+P08-200A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.51 +P08-WP08_1 <i>PAG. +P08&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P08	+C01-XP08	+P08-XP08	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +P08-WP08_2 <i>PAG. +P08&SCH/10.2</i>	POWER SUPPLY 24VDC VALVES P08	+C01-XP08	+P08-XP08	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120374	4G16,0			
r43.51 +P08-W170U5 <i>PAG. +P08&SCH/170.5</i>	LOAD CELLS	+P08-170U5	+P08-170U6	ÖLFLEX® CLASSIC FD 810 CY	LAPP.0026234	7G1			
r43.51 +P08-WP08_EM <i>PAG. +P08&SCH/180.0</i>	EMERGENCY PUSHBUTTON	+P03-XP08	+P08-XP08	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120314	7G1,5			
r43.51 +P08-W260B2_2 <i>PAG. +P08&SCH/260.3</i>	COIL CAR RISE PRESSURE SWITCH	+P08-XAI	+JB25-X25.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +P09-WP09_1 <i>PAG. +P09&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P09	+C01-XP09	+P09-XP09	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +P09-WP09_2 <i>PAG. +P09&SCH/10.2</i>	POWER SUPPLY 24VDC VALVES P09	+C01-XP09	+P09-XP09	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +P09-WP09_3 <i>PAG. +P09&SCH/10.4</i>	UPPER SYSTEM POWER SUPPLY PUMP	+C01-XP09	+P09-XP09	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120340	3G2,5			
r43.51 +P09-WP09_4 <i>PAG. +P09&SCH/10.6</i>	LOWER SYSTEM POWER SUPPLY PUMP	+C01-XP09	+P09-XP09	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120340	3G2,5			
r43.51 +P09-W100M1 <i>PAG. +P09&SCH/100.1</i>	UPPER PERISTALTIC PUMP	+BM-100U1	+P09-100M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120307	3G1,5			
r43.51 +P09-W100M1_1 <i>PAG. +P09&SCH/100.4</i>	=	+P09-XP1	+P09-100M1	UNITRONIC® LiYCY	LAPP.0034802	2x1,0 SCH			
r43.51 +P09-W100M1_3 <i>PAG. +P09&SCH/100.7</i>	FAULT PUMP	+P09-XP1	+P09-100M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +P09-W100M1_4 <i>PAG. +P09&SCH/100.4</i>	SPEED REGULATION	+P09-XP1	+P09-100M1	UNITRONIC® LiYCY	LAPP.0034802	2x1,0 SCH			

SUMMARY CABLES

CABLE LINE SEF	DESCRIPTION	ORIGIN	DESTINATION	CABLE TYPE	CODE	CONDUCTOR /SECTION mm²	LENGHT mt	CABLE PIT	SUPPLIER
r43.51 +P09-W100U1 <i>PAG. +P09&SCH/100.1</i>	UPPER PERISTALTIC PUMP	+P09-XP1	+BM-100U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120307	3G1,5			
r43.51 +P09-W101M1 <i>PAG. +P09&SCH/101.1</i>	LOWER SYSTEM PUMP	+BM-101U1	+P09-101M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120307	3G1,5			
r43.51 +P09-W101M1_1 <i>PAG. +P09&SCH/101.4</i>	=	+P09-XP2	+P09-101M1	UNITRONIC® LiYCY	LAPP.0034802	2x1,0 SCH			
r43.51 +P09-W101M1_3 <i>PAG. +P09&SCH/101.7</i>	FAULT PUMP	+P09-XP2	+P09-101M1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +P09-W101M1_4 <i>PAG. +P09&SCH/101.4</i>	SPEED REGULATION	+P09-XP2	+P09-101M1	UNITRONIC® LiYCY	LAPP.0034802	2x1,0 SCH			
r43.51 +P09-W101U1 <i>PAG. +P09&SCH/101.1</i>	LOWER SYSTEM PUMP	+P09-XP2	+BM-101U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120307	3G1,5			
r43.51 +P10-WP10_1 <i>PAG. +P10&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P10	+C01-XP10	+P10-XP10	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +P10-WP10_2 <i>PAG. +P10&SCH/10.2</i>	POWER SUPPLY 24VDC VALVES P10	+C01-XP10	+P10-XP10	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +P10-WP10_EM <i>PAG. +P10&SCH/180.0</i>	EMERGENCY PUSHBUTTON	+P03-XP10	+P10-XP10	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120314	7G1,5			
r43.51 +P11-WP11 <i>PAG. +P11&SCH/10.0</i>	POWER SUPPLY 24VDC P11	+P11-XP11	+P12-XP11	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +P12-WP12_1 <i>PAG. +P12&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P12	+C01-XP12	+P12-XP12	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +P12-WP12_2 <i>PAG. +P12&SCH/10.2</i>	POWER SUPPLY 24VDC VALVES	+C01-XP12	+P12-XP12	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120378	4G25,0			
r43.51 +P12-WP12_3 <i>PAG. +P12&SCH/10.4</i>	POWER SUPPLY 24VDC TRANSDUCERS	+C01-XP12	+P12-XP12	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +P12-W262B1_3 <i>PAG. +P12&SCH/262.0</i>	TEMPERATURE 1 CASTINGH BATH	+P12-XTC	+JB12-XC1	TTS	GEF.002900	2x0,8 SCH			
r43.51 +P12-W262B2_3 <i>PAG. +P12&SCH/262.2</i>	TEMPERATURE 2 CASTINGH BATH	+P12-XTC	+JB12-XC2	TTS	GEF.002900	2x0,8 SCH			
r43.51 +P13-W121A1DQ <i>PAG. +C01&SCH/321.2</i>	Drive-CliQ	+C01-91A1	+P13-121A1	Drive CliQ	SIE.6FX5002-2DC10-2AA0		100		
r43.51 +P13-W120A1DQ <i>PAG. +C01&SCH/322.2</i>	=	+C01-92A1	+P13-120A1	Drive CliQ	SIE.6FX5002-2DC10-2AA0		100		
r43.51 +P13-WP13_1 <i>PAG. +P13&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P13	+C01-XP13	+P13-XP13	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120370	4G10,0			
r43.51 +P13-WP13_2 <i>PAG. +P13&SCH/10.2</i>	POWER SUPPLY 24VDC LEVEL REGULATOR	+C01-XP13	+P13-XP13	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120370	4G10,0			
r43.51 +P13-WP13_EM <i>PAG. +P13&SCH/180.0</i>	EMERGENCY PUSHBUTTON	+P12-XP13	+P13-XP13	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120314	7G1,5			
r43.51 +P15-WP15 <i>PAG. +P04&SCH/244.0</i>	PINCH ROLL 1 TABLE RISE	+P04-XP15	+P15-244S1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.52 +P31-WP31_1 <i>PAG. +P31&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P31	+C03-XP31	+P31-XP31	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.52 +P31-WP31_EM <i>PAG. +P31&SCH/180.0</i>	EMERGENCY PUSHBUTTON	+C03-XP31	+P31-XP31	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120314	7G1,5			
r43.52 +P31-W76U1_2 <i>PAG. +P31&SCH/244.0</i>	SIGNAL ALARM FROM FILTER CLEANING CONTROL UNIT 1	+P31-XEXT1	+C03-76U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			

SUMMARY CABLES

CABLE LINE SEF	DESCRIPTION	ORIGIN	DESTINATION	CABLE TYPE	CODE	CONDUCTOR /SECTION mm²	LENGHT mt	CABLE PIT	SUPPLIER
r43.52 +P31-W76U2_2 <i>PAG. +P31&SCH/244.4</i>	SIGNAL ALARM FROM FILTER CLEANING CONTROL UNIT 2	+P31-XEXT2	+C03-76U2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.52 +P31-W76U3_2 <i>PAG. +P31&SCH/246.4</i>	ALARM SIGNAL FROM FILTER CLEANING UNIT 1 AUXILIARY SKID	+P31-XEXT3	+C03-76U3	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.52 +P32-WPN32.3 <i>PAG. +C01&SCH/308.7</i>	PROFINET	+JB30-105A1	+P32-100A1	Profinet	SIE.6XV1840-2AH10	2x2x22			
r43.52 +P32-WP32_1 <i>PAG. +P32&SCH/10.0</i>	POWER SUPPLY 24VDC P32	+C03-XP32	+P32-XP32	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120366	4G6,0			
r43.51 +P20-WP20_1 <i>PAG. +P20&SCH/10.0</i>	POWER SUPPLY 24VDC PLC P20	+C01-XP20	+P20-XP20	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120370	4G10,0			
r43.51 +PS1-WPS1 <i>PAG. +P20&SCH/170.0</i>	DOOR 1 SAFETY LIMIT SWITCH	+P20-XFS1	+PS1-170U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +PS2-WPS2 <i>PAG. +P20&SCH/171.0</i>	DOOR 2 SAFETY LIMIT SWITCH	+P20-XFS2	+PS2-171U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +PS3-WPS3 <i>PAG. +P20&SCH/172.0</i>	DOOR 3 SAFETY LIMIT SWITCH	+P20-XFS3	+PS3-172U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +PS4-WPS4 <i>PAG. +P20&SCH/173.0</i>	DOOR 4 SAFETY LIMIT SWITCH	+P20-XFS4	+PS4-173U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +PS5-WPS5 <i>PAG. +P20&SCH/174.0</i>	DOOR 5 SAFETY LIMIT SWITCH	+P20-XFS5	+PS5-174U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +PS6-WPS6 <i>PAG. +P20&SCH/175.0</i>	DOOR 6 SAFETY LIMIT SWITCH	+P20-XFS6	+PS6-175U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +JB11-WJB11 <i>PAG. +P12&SCH/240.0</i>	COOLING AIR METAL LEVEL	+P12-X11	+JB11-X11	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120314	7G1,5			
r43.51 +JB15-WJB15 <i>PAG. +P12&SCH/241.0</i>	UPPER SPRAYER FORWARD O.S. LIMIT SWITCH.	+P12-X15	+JB15-X15	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +JB17-WJB17 <i>PAG. +P13&SCH/240.0</i>	OIL TANK MINIMUM LEVEL	+P13-X17	+JB17-X17	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +JB17-W260B1_2 <i>PAG. +P13&SCH/260.2</i>	OIL TANK PRESSURE	+P13-XAI	+JB17-X17.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +JB17-W261B1_2 <i>PAG. +P13&SCH/261.0</i>	ABSOLUTE MINIMUM TANK OIL LEVEL	+P13-XAI	+JB17-X17.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +JB17-W261B2_2 <i>PAG. +P13&SCH/261.2</i>	RECIRCULATION FILTER OBSTRUCTED	+P13-XAI	+JB17-X17.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +JB17-W261B3_2 <i>PAG. +P13&SCH/261.4</i>	INLET FILTER OBSTRUCTED	+P13-XAI	+JB17-X17.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +JB17-W261B4_2 <i>PAG. +P13&SCH/261.6</i>	INLET OIL PRESSURE 1	+P13-XAI	+JB17-X17.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +JB17-W262B1_2 <i>PAG. +P13&SCH/262.0</i>	INLET OIL PRESSURE 2	+P13-XAI	+JB17-X17.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +JB18-WJB18 <i>PAG. +P13&SCH/242.3</i>	LOWER ROLLER HOME POSITION	+P13-X18	+JB18-X18	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +JB18-W260B3_2 <i>PAG. +P13&SCH/260.5</i>	OIL TANK PRESSURE	+P13-XAI	+JB18-X18.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +JB18-W260B4_2 <i>PAG. +P13&SCH/260.7</i>	TEMPERATURE LOWER ROLLER GEARBOX OIL	+P13-XAI	+JB18-X18.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +JB19-WJB19 <i>PAG. +P03&SCH/240.0</i>	PINCH ROLL 2 UPPER ROLL HIGH	+P03-X19	+JB19-X19	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120314	7G1,5			

SUMMARY CABLES

CABLE LINE SEF	DESCRIPTION	ORIGIN	DESTINATION	CABLE TYPE	CODE	CONDUCTOR /SECTION mm²	LENGHT mt	CABLE PIT	SUPPLIER
r43.51 +JB20-WJB20 <i>PAG. +P03&SCH/241.0</i>	SHEAR OUTPUT TABLE LOW LIMIT SWITCH	+P03-X20	+JB20-X20	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +JB21-WJB21 <i>PAG. +P08&SCH/242.0</i>	DEFLECTOR TABLE DOWN	+P08-X21	+JB21-X21	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +JB22-WJB22 <i>PAG. +P12&SCH/243.3</i>	PX. CYLINDER GROUP PACK POSITION HIGH OPERATOR SIDE	+P12-X22	+JB22-X22	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +JB23-WJB23 <i>PAG. +P04&SCH/244.4</i>	PINCH ROLL1 TABLE UP	+P04-X23	+JB23-X23	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +JB24-WJB24 <i>PAG. +P08&SCH/243.0</i>	THIRD SUPPORT HIGH	+P08-X24	+JB24-X24	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +JB25-WJB25 <i>PAG. +P08&SCH/244.0</i>	EXTRA TRAVEL FORWARD UNLOADING CARRIAGE TRANSLATION	+P08-X25	+JB25-X25	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +JB26-WJB26 <i>PAG. +P03&SCH/270.0</i>	PINCH-ROLL 2 RISE UPPER ROLLER VALVE	+P03-EQP	+JB26-EQP	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +JB26-W290Y1_2 <i>PAG. +P03&SCH/290.0</i>	TRANSLATION FORWARD - BACKWARD SHEAR	+P03-XA	+JB26-X26.A	UNITRONIC® LiYCY	LAPP.0034807	7x1,0 SCH			
r43.51 +JB28-W76U1_1 <i>PAG. +C01&SCH/76.1</i>	POWER SUPPLY 230 Vac FILTER CLEANING	+C01-X28P	+JB28-76U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120342	4G2,5			
r43.51 +JB28-WJB28 <i>PAG. +C01&SCH/246.6</i>	LIMIT SWITCH FILTER CABINET DOOR – CHIP SUCTION	+C01-X28	+JB28-X28	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.51 +JB28-W25U1_2 <i>PAG. +C01&SCH/248.0</i>	FILTER SYSTEM OK	+JB28-X28	+JB28-76U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120314	7G1,5	10		
r43.51 +JB29-WJB29 <i>PAG. +P08&SCH/245.0</i>	TRANSLATION SPOOL LOAD FORWARD	+P08-X29	+JB29-X29	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120324	18G1,5			
r43.51 +JB29-WJB29_2 <i>PAG. +P08&SCH/273.0</i>	SV. RAISE ARM LOAD SPOOL	+P08-EQP	+JB29-EQP	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.52 +JB30-WJB30 <i>PAG. +P32&SCH/105.0</i>	POWER SUPPLY MASTER I/O LINK	+P32-X24V	+JB30-105A1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120307	3G1,5			
r43.52 +JB33-WJB31 <i>PAG. +P31&SCH/246.0</i>	LIMIT SWITCH VALVE PUMP 1 DELIVERY CLOSED AUXILIARY SKID	+P31-X31	+JB33-X31	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			
r43.52 +JB33-W262B1_2 <i>PAG. +P31&SCH/262.0</i>	PRESSURE DELIVERY AUXILIARY SKID	+P31-XAI	+JB33-X31.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.52 +JB33-W262B2_2 <i>PAG. +P31&SCH/262.2</i>	PRESSURE DELIVERY AFTER FILTER AUXILIARY SKID	+P31-XAI	+JB33-X31.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.52 +JB33-W262B3_2 <i>PAG. +P31&SCH/262.4</i>	TEMPERATURE DELIVERY AUXILIARY SKID	+P31-XAI	+JB33-X31.A	UNITRONIC® LiYCY	LAPP.0034804	4x1,0 SCH			
r43.51 +MC.BM-75W1 <i>PAG. +C01&SCH/75.0</i>	POWER SUPPLY 400Vac LAUNDER	+C01-XMC	+MC.BM-75U1	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120382	4G35,0			
r43.51 +MC.BM-75W2 <i>PAG. +C01&SCH/75.2</i>	POWER SUPPLY 400Vac DEGASER	+C01-XMC	+MC.BM-75U2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120387	4G70,0			
r43.51 +MC.BM-75W3 <i>PAG. +C01&SCH/75.4</i>	POWER SUPPLY 400Vac FILTER BOX	+C01-XMC	+MC.BM-75U3	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.51 +MC.BM-75W4 <i>PAG. +C01&SCH/75.5</i>	POWER SUPPLY 400Vac TIBOR	+C01-XMC	+MC.BM-75U4	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.51 +MC.BM-75W5 <i>PAG. +C01&SCH/75.7</i>	POWER SUPPLY 400Vac THICKNESS CONTROL	+C01-XMC	+MC.BM-75U5	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120360	4G4,0			
r43.51 +GREENBOX-WGRB <i>PAG. +P31&SCH/245.0</i>	THERMOSTAT SAFETY TS2	+P31-XTS	+GREENBOX-XTS	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV	LAPP.1120320	12G1,5			

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SUMMARY CABLES																	
CABLE LINE SEF		DESCRIPTION				ORIGIN	DESTINATION	CABLE TYPE		CODE	CONDUCTOR /SECTION mm²		LENGHT mt	CABLE PIT			SUPPLIER
r43.51 +BM-W76U2_1 PAG. +C01&SCH/76.4		POWER SUPPLY 230 Vac DIFFERENTIAL MEASURING CHIP EXTRACTOR				+C01-X28P	+BM-76U2	ÖLFLEX® CLASSIC 110 BLACK 0,6/1kV		LAPP.1120342	4G2,5						
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