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WD406-24T
Phone 09211293092

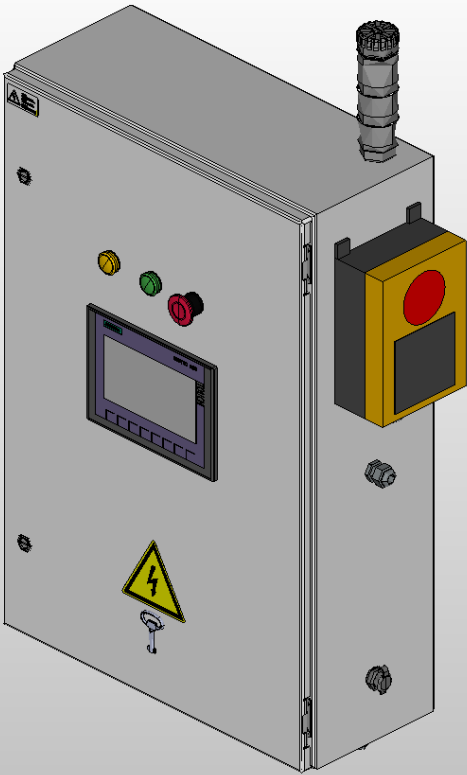
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Project name project Mr Hamzehi DW-1
Project description
Job number IEC_bas001
Commission EPLAN

Company name
Customer name Mr Hamzehi
Customer code WD406-24T
Customer city Tehran
Customer phone 0921293092

Type Schematic project
Voltage 400 V
Control voltage
Ferquency 50 Hz

PANEL DETAIL



Created on 8/9/2025
Edit date 10/15/2025 Creator (short name) Mr Elyasi
Number of pages 33

TECHNICAL IMPLEMENTATION REGULATIONS

Tehran



WIRING REGULATIONS

(Symbol in accordance with IEC 60757)

WIRING COLORS

Main current AC	Black (BK)	Control circuit AC > 50V	Red (RD)	External voltage	Orange (OG)
Main current DC	Black (BK)	Control circuit AC < 50V	Red (RD)	Interlock circuit	Orange (OG)
Neutral conductor	Blue (BU)	Control circuit DC	Gray (GY)	Measuring lines	Violet (VT)
Protective wire	Green-yellow (GNYE)			Current transformer	Brown (BN)

MINIMUM CROSS-SECTIONS

Main current	0.5 - 1.0 mm ²	H05V-K PVC conductor line
Protective wire	1.5 - 150 mm ²	H07V-K PVC conductor line
Control line		
PLC wiring		

MATERIAL REGULATIONS

ENCLOSURES

Enclosures	to 2.5 mm ²
Enclosure base	4 to 150 mm ²
Enclosure color	
Degree of protection	

TERMINALS

Enclosures	to 2.5 mm ²
Enclosure base	4 to 150 mm ²
Enclosure color	
Degree of protection	

SAFETY REGULATIONS

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GENERAL SAFETY REGULATIONS



DANGER !

During plant operation certain items are under dangerous voltage! Non-observance of safety instructions can result in death, serious injuries or material damage.

Only specialist personnel may carry out transport, installation and commissioning work.

The applicable valid standards as well as the national and / or company-specific accident prevention regulations are to be observed.

The following safety instructions are to be observed:

The erection, commissioning, troubleshooting as well as repair of the plant may only be carried out by qualified personnel that is familiar with the corresponding operating instructions.

Mounting of the devices has to be effected in accordance with the valid standards, state and local regulations.
Proper grounding and conductor dimensioning as well as proper short-circuit proofing have to be ensured.
These measures serve to ensure the safety of the plant and of the operating personnel.

Before carrying out safety checks, maintenance work and repair measures ensure that all the power supplies are switched off, are secured against being switched on unintentionally and are marked correspondingly.

Only test devices that are in a technically perfect condition and are suitable for the respective measurement may be used to carry out measurements!

The instructions specified in the respective operating instructions are to be followed strictly!
It is mandatory that hazard, warning and safety instructions be observed!

All doors and covers are to be kept closed during the plant operation.
If cooling devices are installed in the plant, ensure that these systems operate trouble-free.
These include the regular cleaning of the filters, in as far as they exist.

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+EAA&EAA=CA1/2	Title page / cover sheet	Material regulations	10/4/2025	LENOVO
+EAA&EAA=CA1/3	Title page / cover sheet	Safety instructions	10/4/2025	LENOVO
+EAA&EAA=CA1/60	Table of contents	Table of contents : +EAA&EAA=CA1/1 - +EAA&EMZ=HB02/42	10/15/2025	LENOVO
+EAA&EAA=CA1/61	Symbol overview	Symbol overview : SPECIAL 0 - 309	10/14/2025	LENOVO
+EAA&EAA=CA1/62	Symbol overview	Symbol overview : IEC_symbol 1 - 1413	10/14/2025	LENOVO
+EAA&EAA=CA1/63	Symbol overview	Symbol overview : GRAPHICS 131 - 143	10/7/2025	LENOVO
+EAA&EPL=HB02/40	Parts list	Parts list : SIE.5SY4116-6 - RELAY FUNX(1)	10/15/2025	LENOVO
+EAA&EPL=HB02/40.a	Parts list	Parts list : - RIT.2313150	10/15/2025	LENOVO
+EAA&ELU=KD01/30	Overview	over view	10/15/2025	LENOVO
+EAA&ELU=KD01/31	Overview	over view	10/3/2025	LENOVO
+EAA&ELU=KD01/32	Overview	over view	10/15/2025	LENOVO
+EAA&ELU=KD01/33	Overview	over view	10/15/2025	LENOVO
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+EAA&EFS=EC01/3	Schematic multi-line	Device Suply	10/7/2025	LENOVO
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+EAA&EFS=EC01/5	Schematic multi-line	Device Suply	10/15/2025	LENOVO
+EAA&EFS=EC01/6	Schematic multi-line	PLC Digital Input	10/15/2025	LENOVO
+EAA&EFS=EC01/7	Schematic multi-line	PLC Digital Input	10/15/2025	LENOVO
+EAA&EFS=EC01/8	Schematic multi-line	PLC Analog Input	10/15/2025	LENOVO
+EAA&EFS=EC01/9	Schematic multi-line	PLC Digital Output	10/15/2025	LENOVO
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+EAA&EFS=EC01/15	Schematic multi-line	Distribution Terminal	10/15/2025	LENOVO
+EAA&EMZ=HB02/41	Connection list	Connection list : - I1-3	10/15/2025	LENOVO
+EAA&EMZ=HB02/41.a	Connection list	Connection list : I1-4 -	10/14/2025	LENOVO
+EAA&EMZ=HB02/41.b	Connection list	Connection list : 0 VDC -	10/15/2025	LENOVO
+EAA&EMZ=HB02/41.c	Connection list	Connection list : R1 -	10/14/2025	LENOVO
+EAA&EMZ=HB02/42	Graphic	Connection list : IR 2-7 -	10/15/2025	LENOVO

Symbol overview

SPECIAL

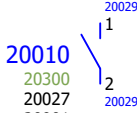
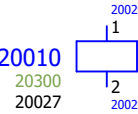
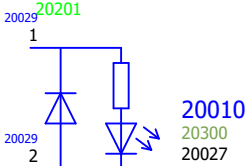
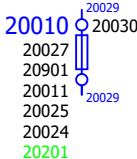
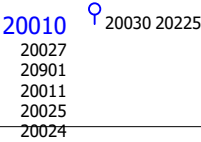
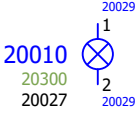
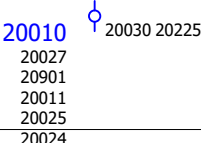
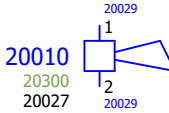
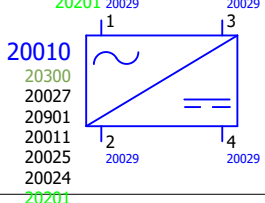
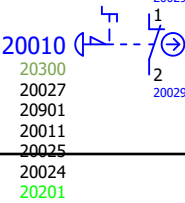
F25_001

0 DC Black box Black box	20010 20300 20027 20901 20011 20025 20024	66 TOUR T-node up. down, right (UDR)		
1 PLCC PLC box PLC box	20010 20300 20027 20901 20011 20025 20024	70 CO Angle		
8 BP Interruption point	20010 24350 24300	72 TLRO T-node left, right, up (LRU)		
13 PLCCP PLC connection point PLC connection point, general	20039 20038 20037 20301 20402 20011	84 PIDBP3 Interruption point for process engineering (Form3)		20010 24350 24300
17 DCP Device connection point Device connection point	20039 20036	255 ACBP Autoconnect break point		
22 DCP2 Device connection point, two-sided Device connection point, 2 connection points	20039 20036	308 CDP Connection definition point Connection, general	31011 31004 31003 31002	
45 CDPNG2 Connection definition point (without graphic) Connection, general		309 PDP Potential definition point	33000	
64 TLRU T-node left, right, down (LRD)				

Symbol overview

IEC_symbol

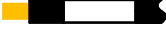
F25_001

1 S NO contact NO auxiliary contact		1117 X2 Terminal Terminal, general, with saddle jumper, 2 connection points		
20 K Electromechanical operating device, general / relay coil, general Coil for power contactor		1208 SCHB8 Protective circuiting of a coil through a combination of diode, LED and resistor Protective circuit, diode		
33 XF Fused terminal Terminal, general, 2 connection points		1410 X1_NB Terminal with one connection point without saddle jumper connections Terminal, general, 1 connection point		
46 H Lamp / indicator light, general Lamp, single		1413 X2_NB Terminal with 2 connection points without saddle jumper connections Terminal, general, 2 connection points		
47 HU Horn Signal device, acoustic, single				
56 G22 Rectifier, single-phase Rectifier, variable				
98 FA1 Circuit breaker, single-pole Circuit breaker				
150 SONOT2 Emergency stop switch / Emergency stop pushbutton, NC contact, with turn-to-reset Pushbutton, NC contact				

Symbol overview

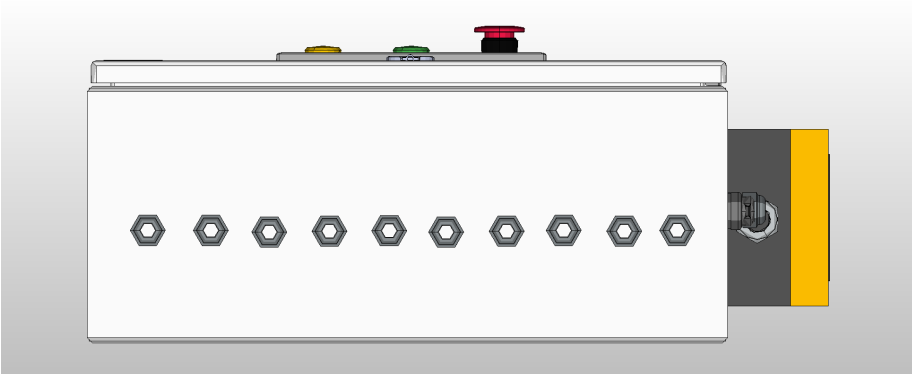
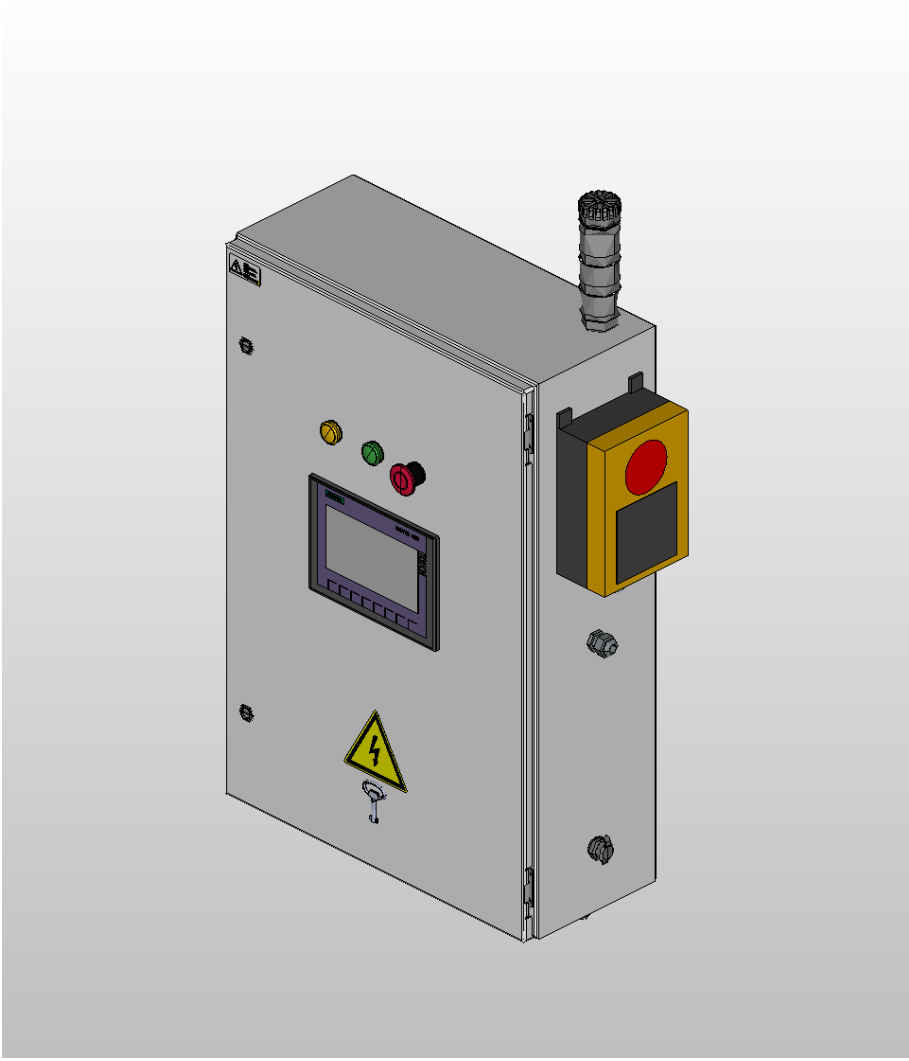
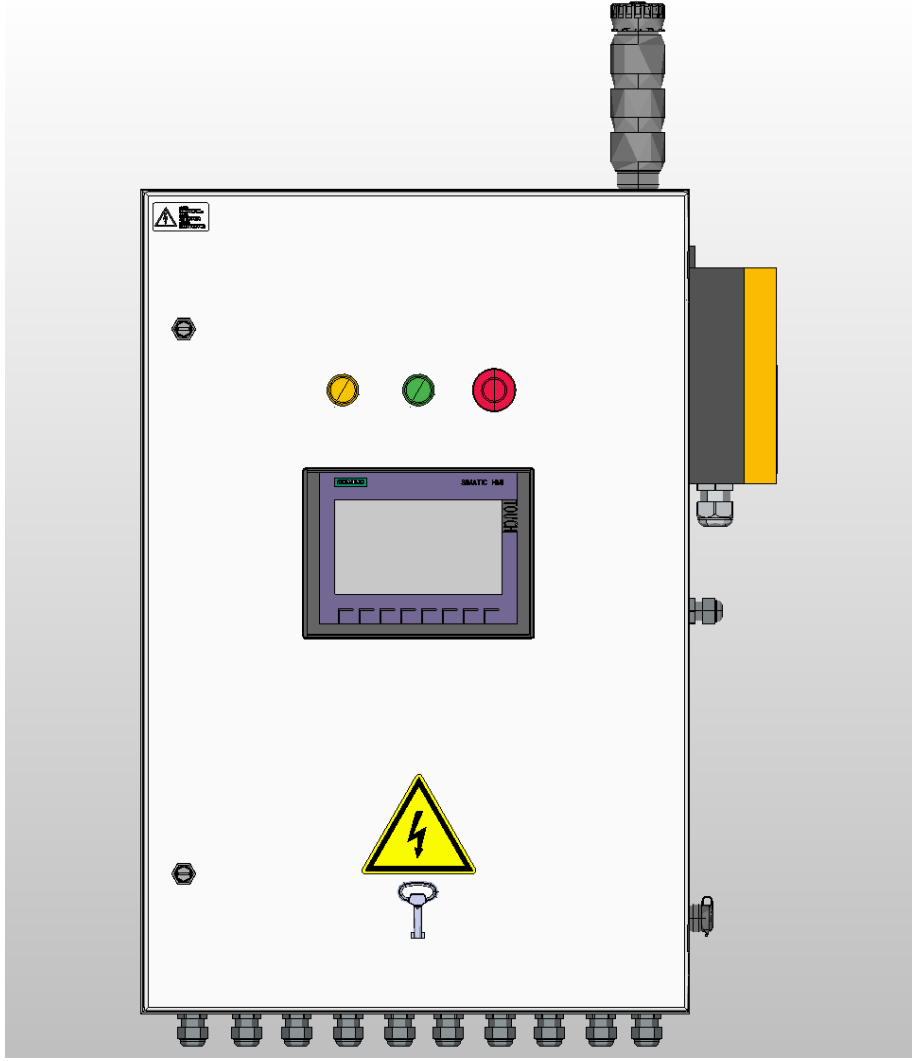
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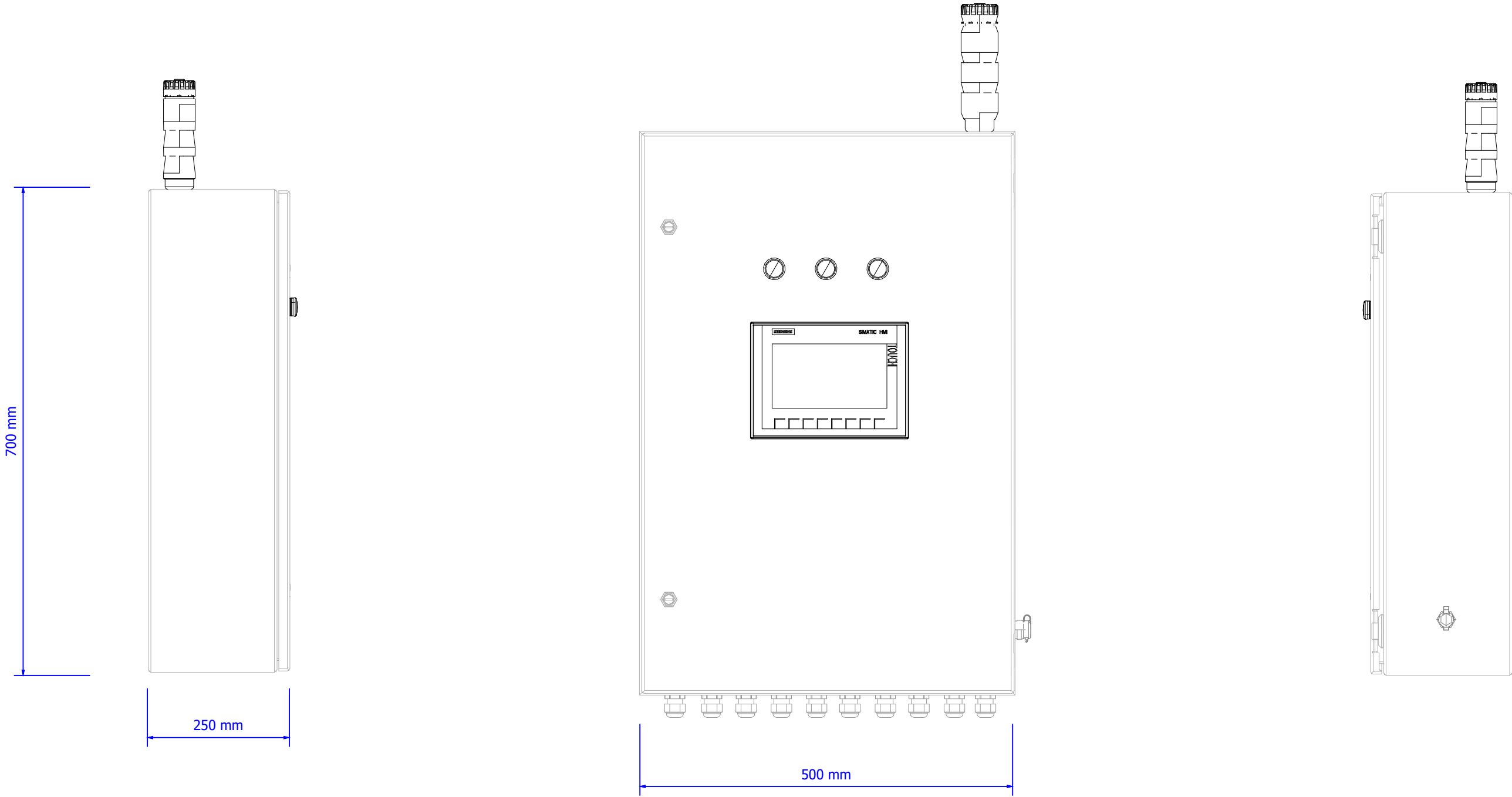
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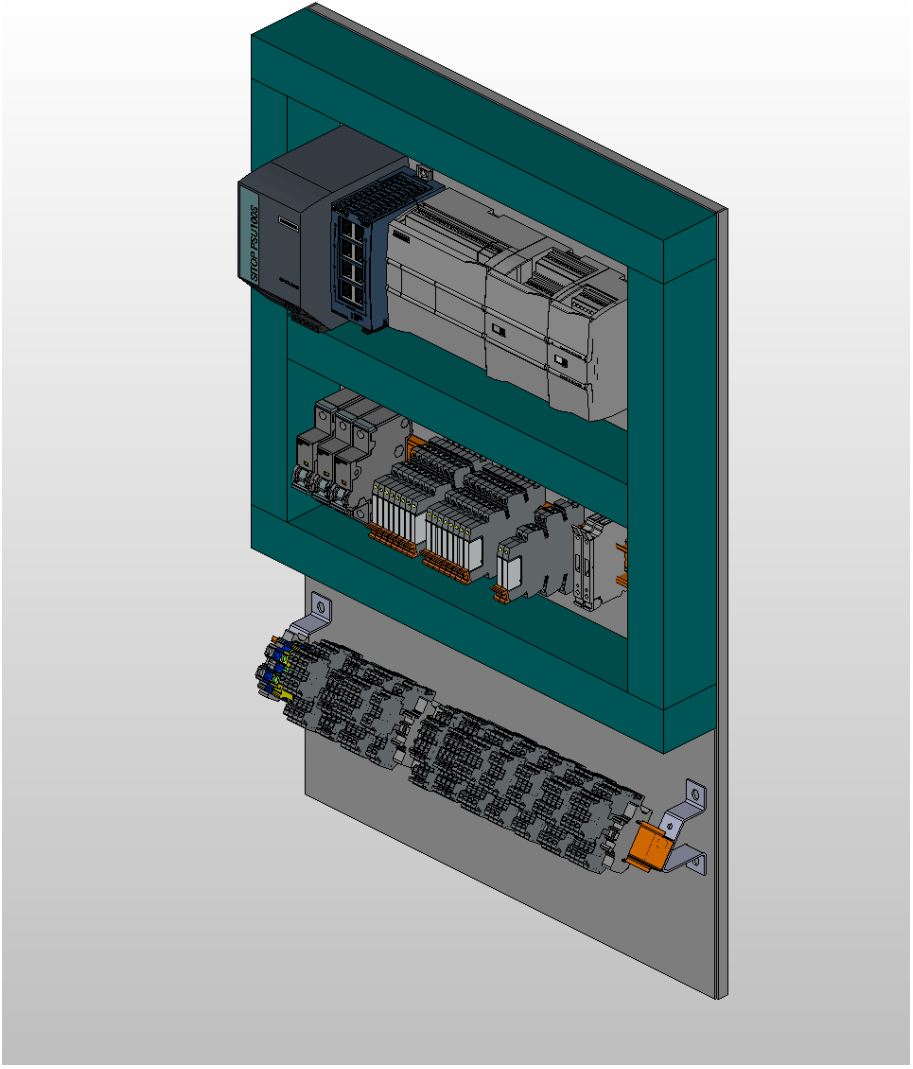
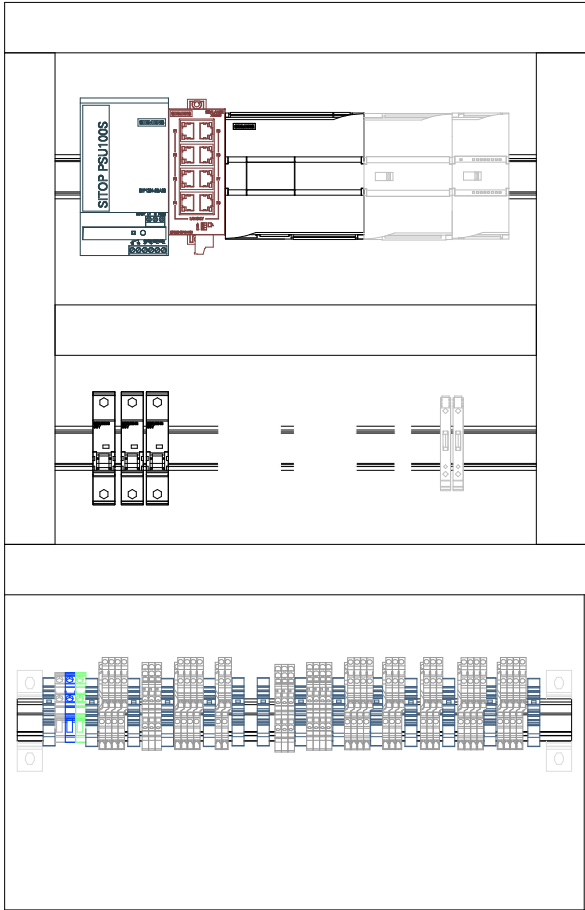
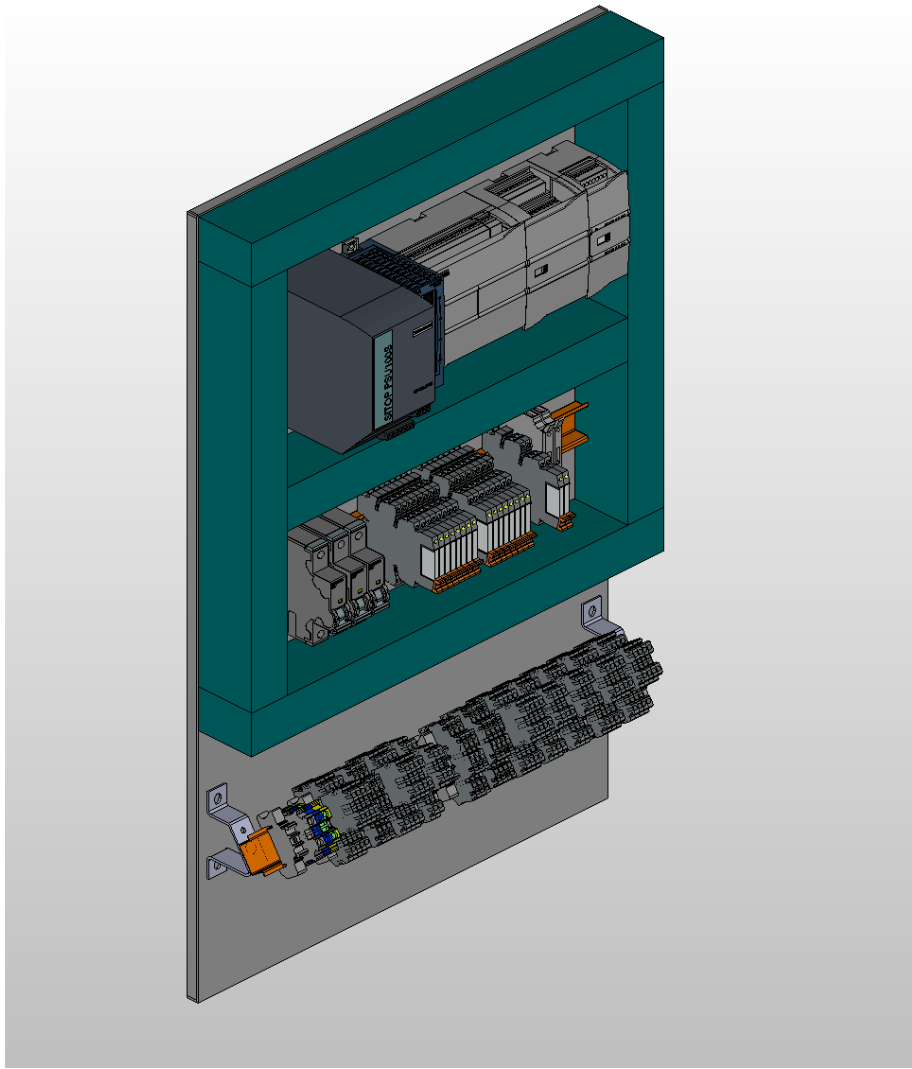
131 W_BU Conductor, blue Graphic 		
139 W_BN Conductor, brown Graphic 		
142 W_BK Conductor, black Graphic 		
143 W_GNYE Conductor, green yellow Graphic 		

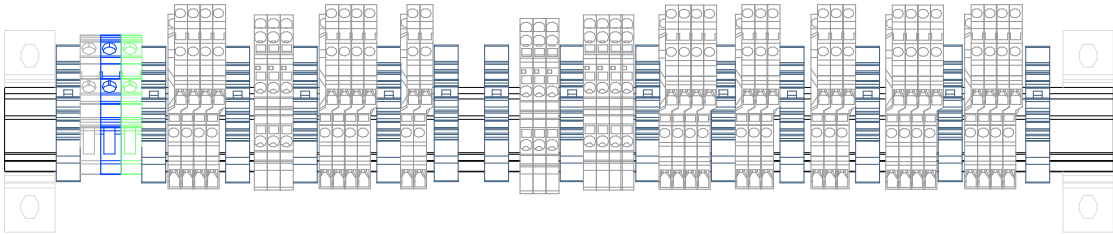
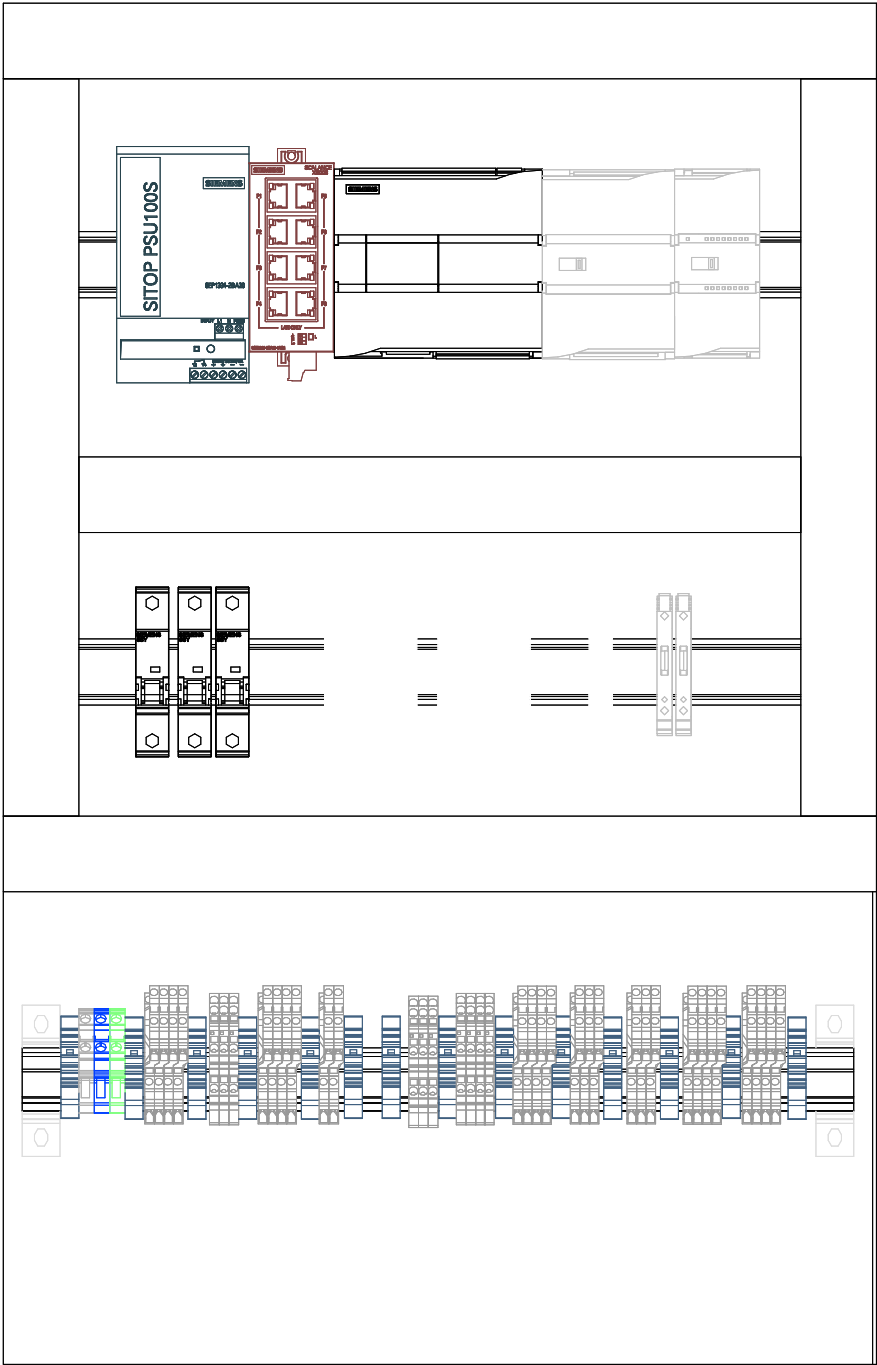
Pos.	Code name	Designation	Quantity	Remark
	SIE.5SY4116-6	CIRCUIT BREAKER 230/400V 10KA, 1-POLE, B, 16A, D=70MM	1	
	SIE.3SU1001-6AA50-0AA0	INDICATOR LIGHT, BLUE	1	SIRIUS ACT Commanding and signaling devices
	SIE.3SU1500-0AA10-0AA0	HOLDER	1	SIRIUS ACT Commanding and signaling devices
	SIE.3SU1401-1BB50-1AA0	LED MODULE, BLUE	1	SIRIUS ACT Commanding and signaling devices
	SIE.3SU1051-6AA20-0AA0	INDICATOR LIGHT, RED	1	SIRIUS ACT Commanding and signaling devices
	SIE.3SU1500-0AA10-0AA0	HOLDER	1	SIRIUS ACT Commanding and signaling devices
	SIE.3SU1401-1BB20-1AA0	LED MODULE, RED	1	SIRIUS ACT Commanding and signaling devices
	SIE.6EP1334-2BA20	SITOP PSU100S 1ph 24 V/10 A	1	
	SIE.6ES7214-1AG40-0XB0	CPU 1214C, DC/DC/DC, 14DI/10DO/2AI	1	SIMATIC, S7-1200
	DEL.DVP16SN11T		1	
	DEL.DVP16SM11N		1	
	SIE.6ES7223-1BL32-0XB0	DIGITAL I/O SM 1223, 16DI/16DO	1	SIMATIC, S7-1200
	DEL.DVP16SM11N		1	
	SIE.6ES7231-5QD32-0XB0	S7-1200, ANALOG INPUT SM 1231 TC, 4 AI	1	SIMATIC, S7-1200
	DEL.DVP16SM11N		1	
	SIE.6AV2123-2GB03-0AX0	SIMATIC HMI KTP700 Basic	1	SIMATIC , HMI , Basic Panel
	DEL.DVP16SN11T		1	
			0	
			0	
	RELAY FUNX(1)		1	
	RELAY FUNX(1)		1	
	RELAY FUNX(1)		1	
	RELAY FUNX(1)		1	
	RELAY FUNX(1)		1	
	RELAY FUNX(1)		1	
	RELAY FUNX(1)		1	

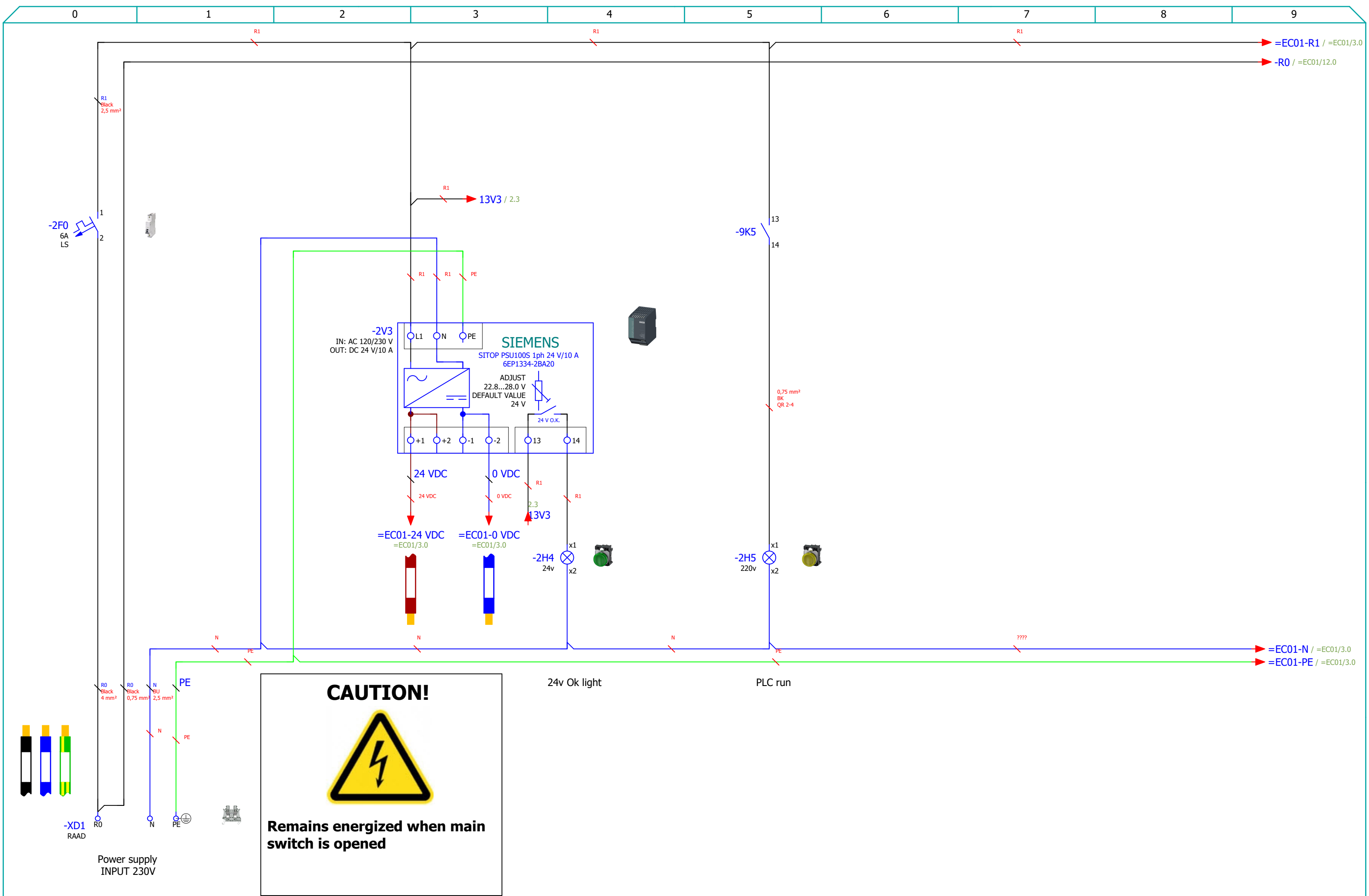
Pos.	Code name	Designation	Quantity	Remark
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	RELAY FUNX(1)		1	
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	RELAY FUNX(1)		1	
	RELAY FUNX(1)		1	
			0	
	RELAY FUNX(1)		1	
	RELAY FUNX(1)		1	
			0	
	RELAY FUNX(1)		1	
			0	
			0	
			0	
			0	
			0	
			0	
			0	
			0	
			0	
			0	
	RELAY FUNX(1)		1	



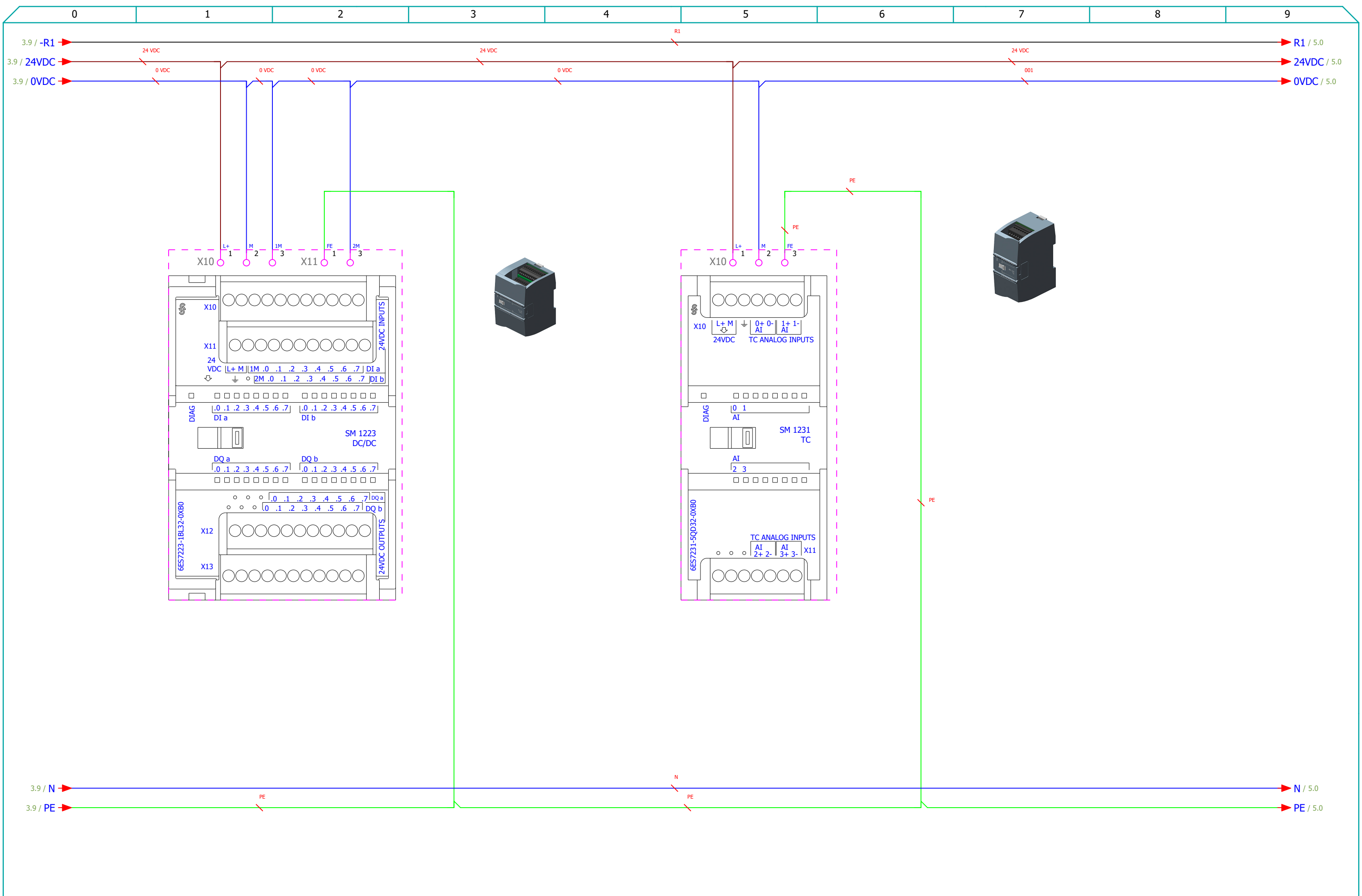


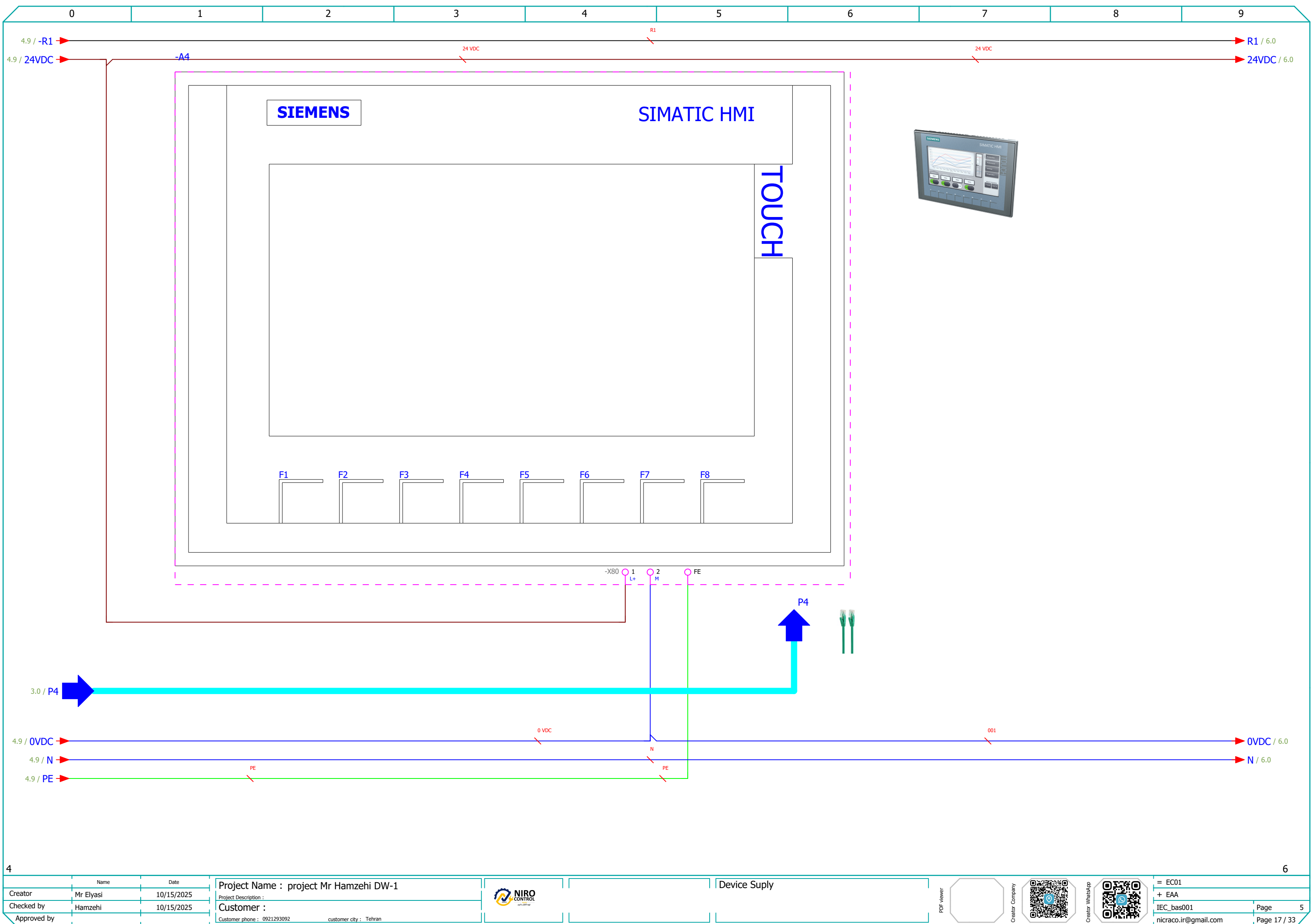


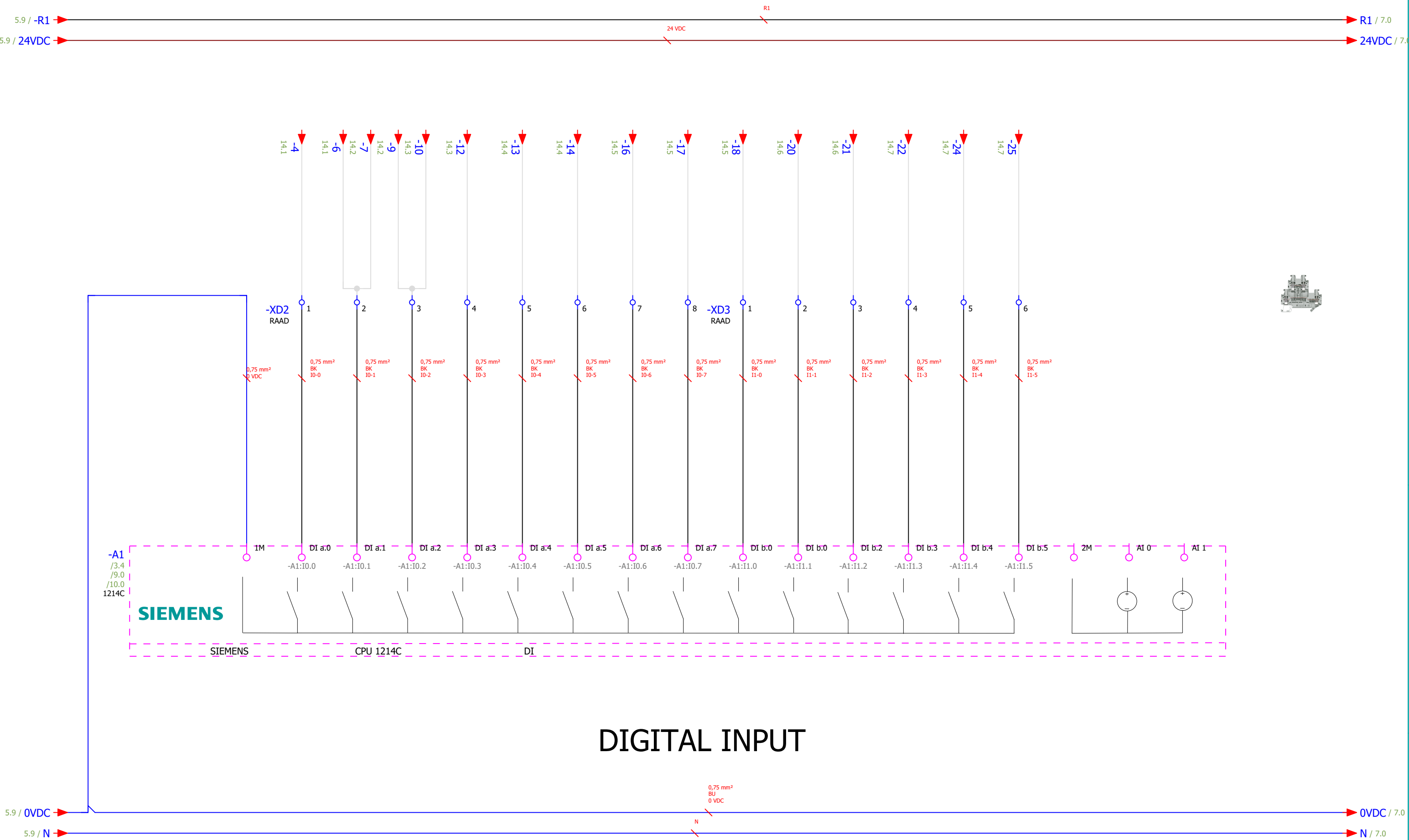




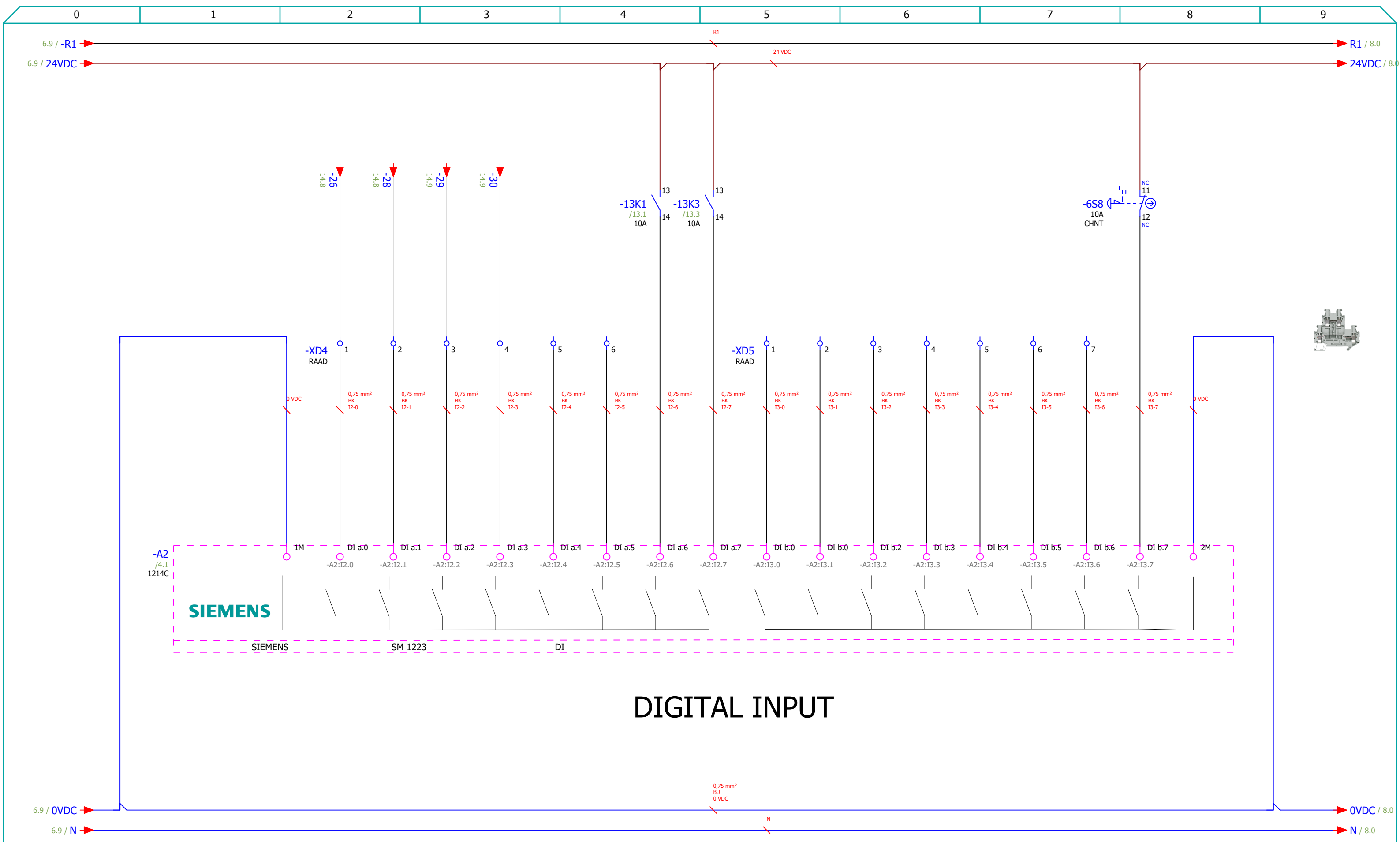


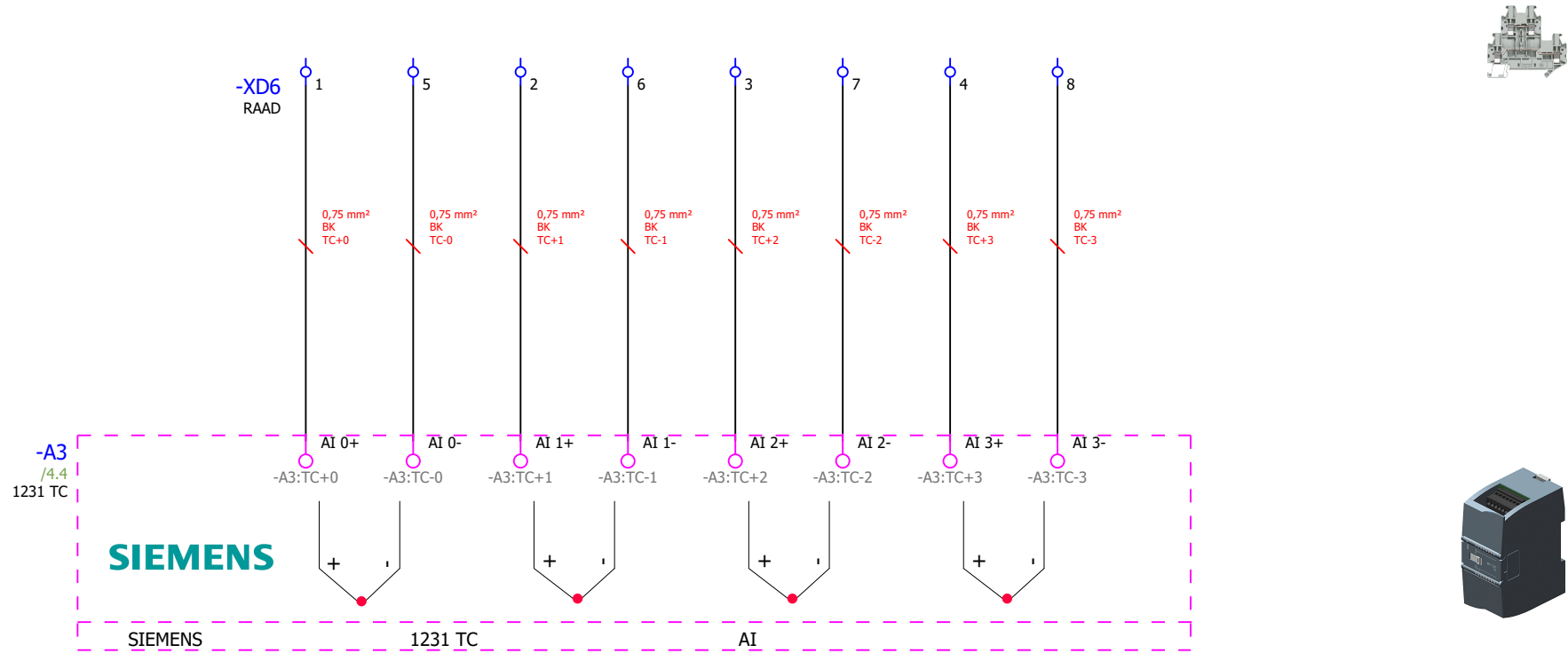
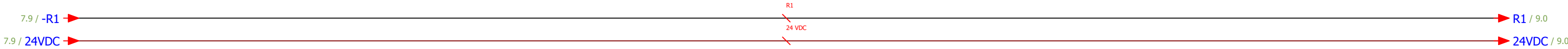




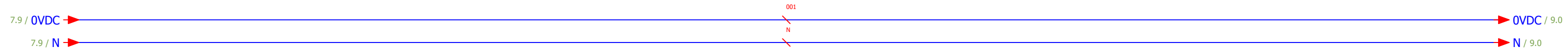


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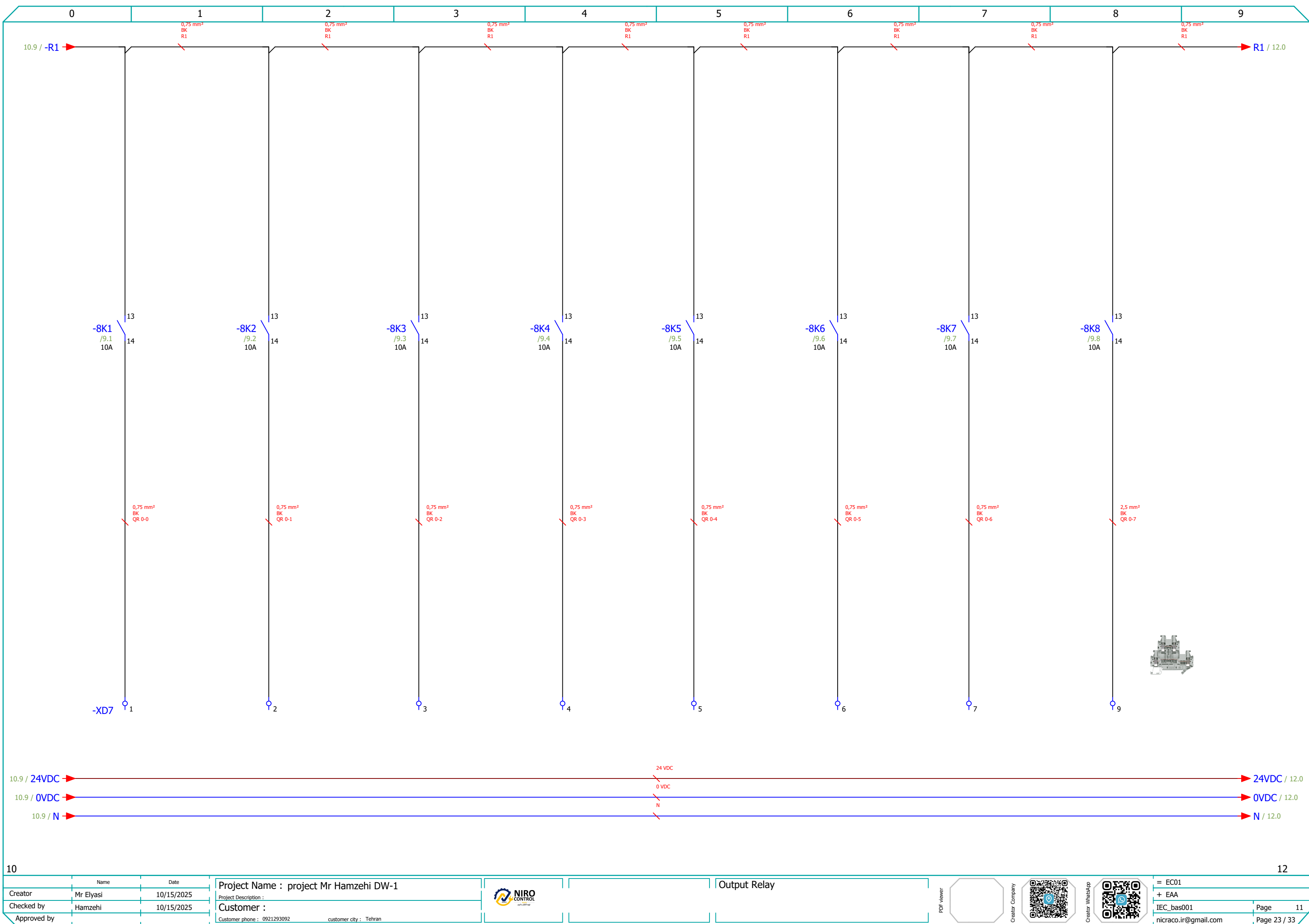


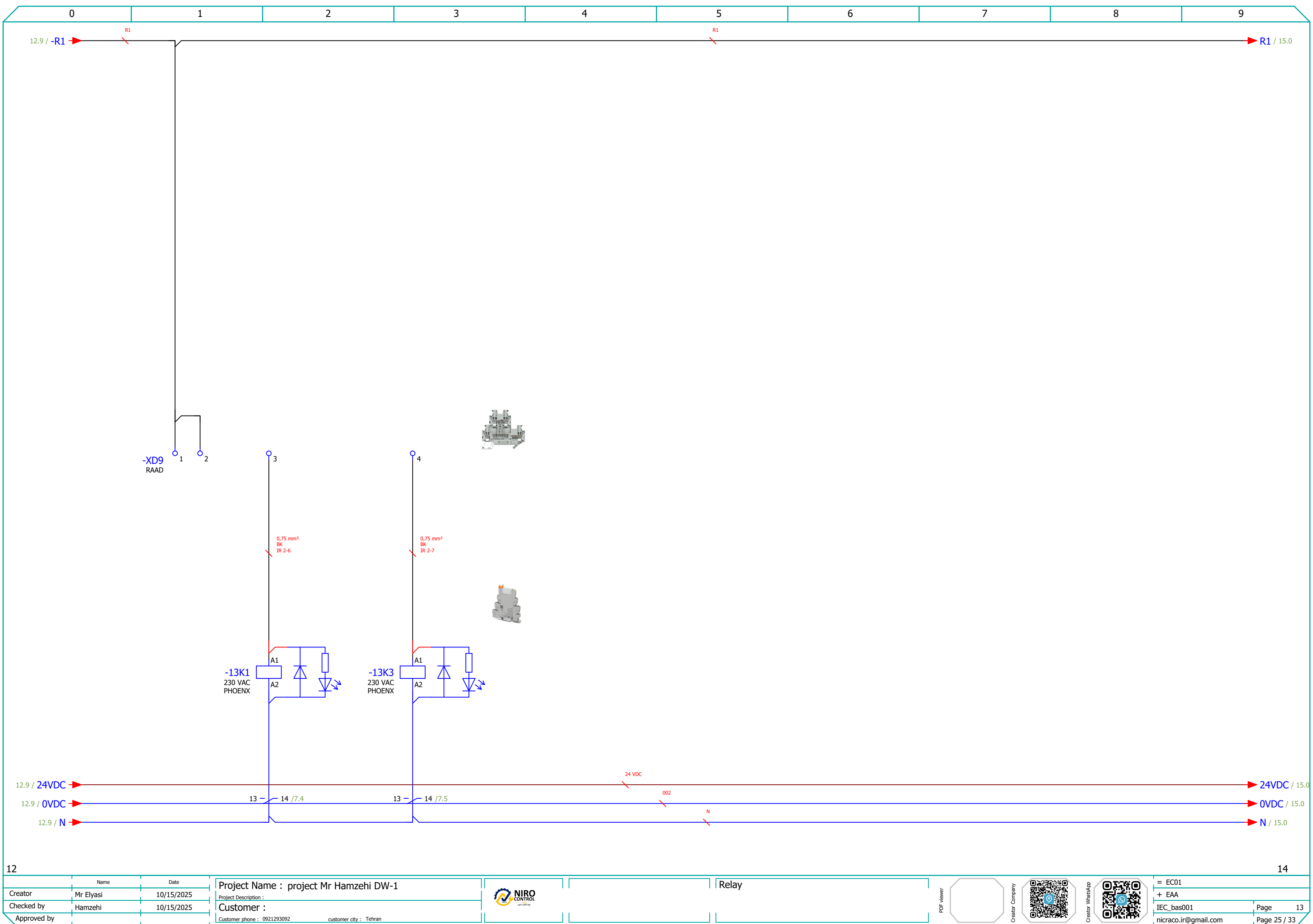


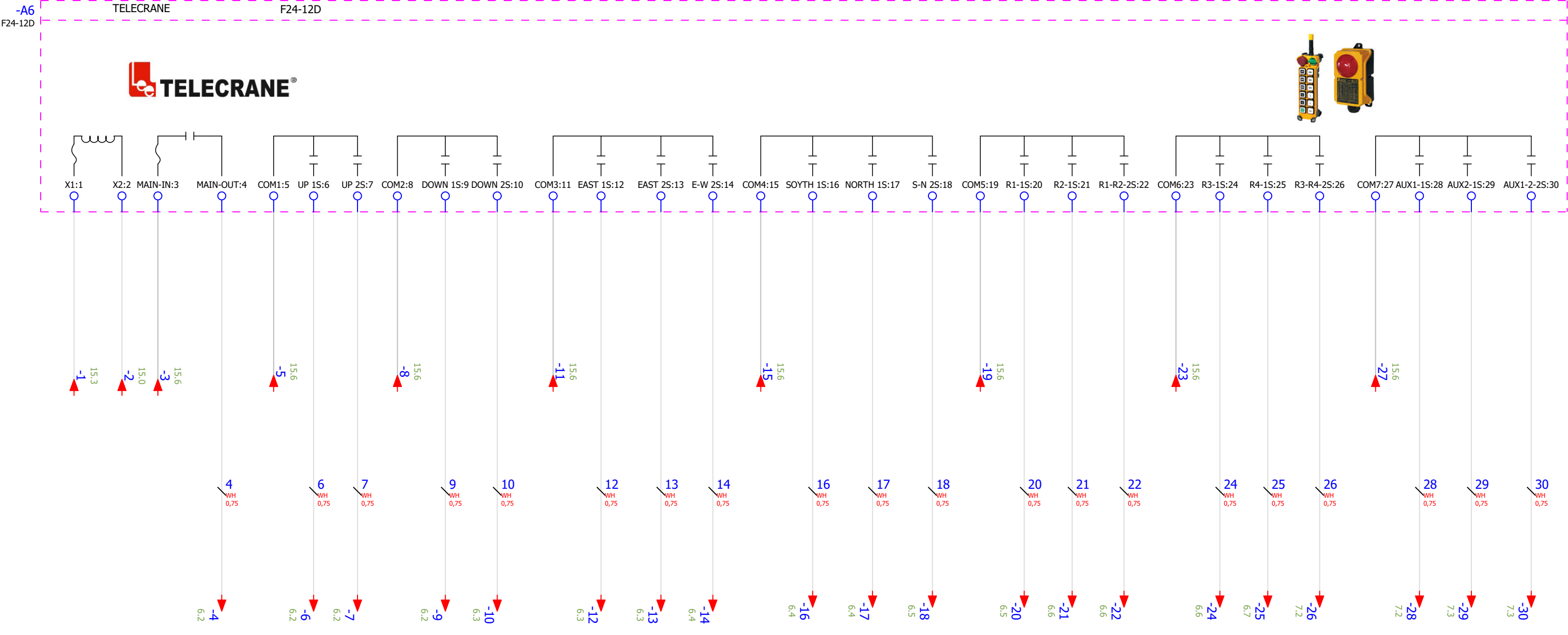
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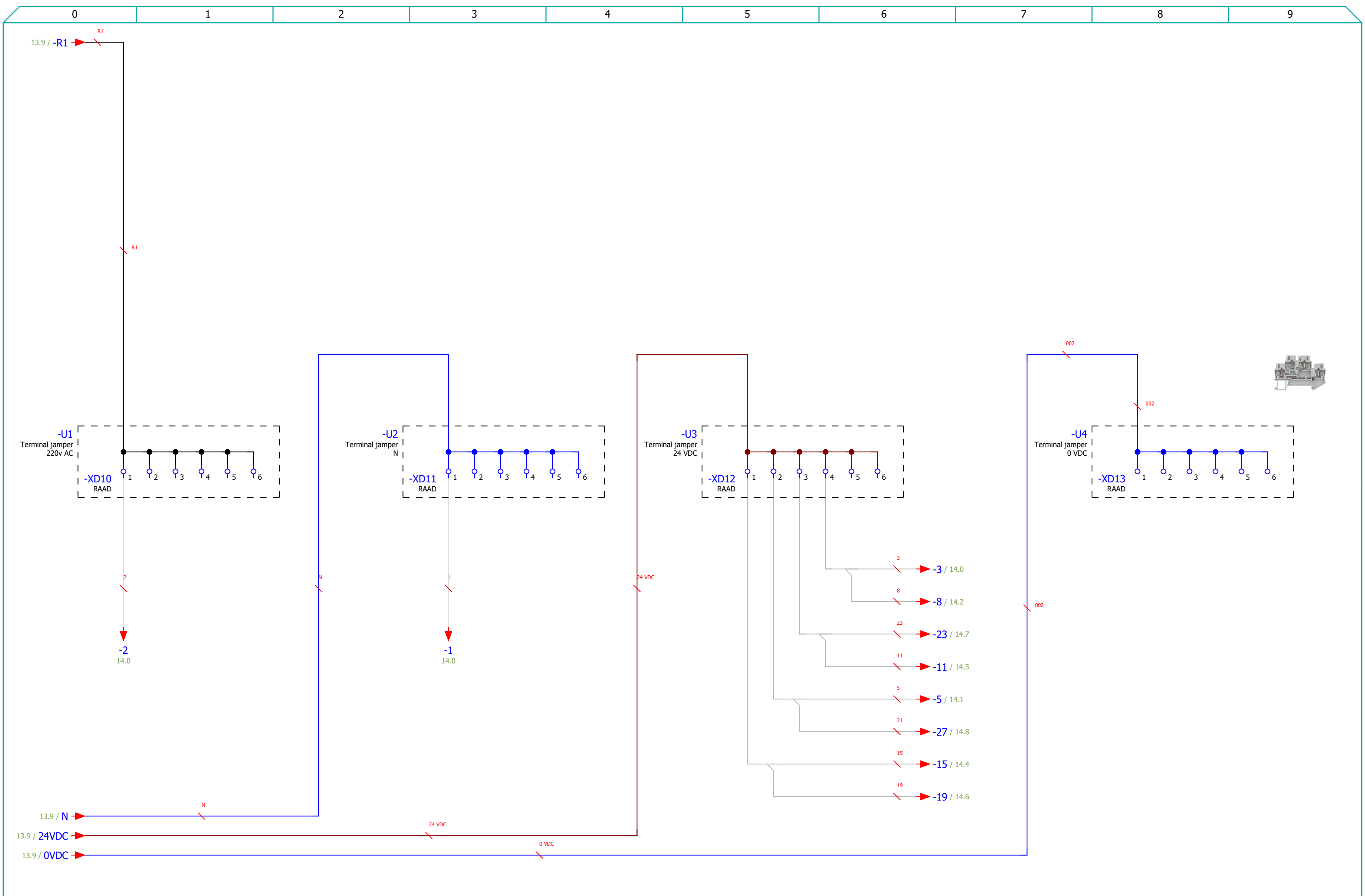








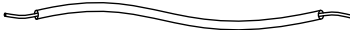




Connection list

F27_003

Connection designation	from		to
	=AB01-2F0:2	BK	=AB01-XD1:R0:1
R0	=AB01-XD1:R0:1	BK	=EC01-9F1:1
R0	=EC01-9F1:1	BK	=EC01-9F2:1
R1	=EC01-9F2:1	BK	=EC01-X9:3
R1	=EC01-X9:3	BK	=EC01-X9:4
R1	=AB01-2F0:1	BK	=AB01-2V3:L1
N	=AB01-2V3:N	BU	=AB01-XD1:N:1
N	=AB01-2H4:x2	BU	=AB01-2V3:N
N	=AB01-2H4:x2	BU	=AB01-2H5:x2
N	=AB01-2H5:x2	BU	=EC01-X1:4
PE	=AB01-2V3:PE	GNYE	=AB01-XD1:PE:1
PE	=AB01-2V3:PE	GNYE	=EC01-3T3:-X80:1
PE	=EC01-A1:X10:3	GNYE	=EC01-3T3:-X80:1
PE	=EC01-A1:X10:3	GNYE	=EC01-A2:X11:1
PE	=EC01-A2:X11:1	GNYE	=EC01-A3:X10:3
PE	=EC01-A3:X10:3	GNYE	=EC01-A4:FE
24 VDC	=AB01-2V3:+1	BK	=EC01-3T3:-X80:3
24 VDC	=EC01-A1:X10:1	BK	=EC01-3T3:-X80:3
24 VDC	=EC01-A1:X10:1	BK	=EC01-A2:X10:1
24 VDC	=EC01-A2:X10:1	BK	=EC01-A3:X10:1
24 VDC	=EC01-A3:X10:1	BK	=EC01-A4:-X80:1
24 VDC	=EC01-A4:-X80:1	BK	=EC01-13K1:13
	=EC01-13K1:13	BK	=EC01-13K3:13
24 VDC	=EC01-13K3:13	BK	=EC01-6S8:11
24 VDC	=EC01-A1:3L	BK	=EC01-6S8:11
24 VDC	=EC01-A1:3L	BK	=EC01-U3-XD12:1
	=EC01-U3-XD12:1	BK	=EC01-U3-XD12:2
	=EC01-U3-XD12:2	BK	=EC01-U3-XD12:3
	=EC01-U3-XD12:3	BK	=EC01-U3-XD12:4
	=EC01-U3-XD12:4	BK	=EC01-U3-XD12:5
	=EC01-U3-XD12:5	BK	=EC01-U3-XD12:6
	=AB01-2V3:+1	BK	=AB01-2V3:+2
R1	=AB01-9K5:13	BK	=AB01-2V3:L1
R1	=AB01-9K5:13	BK	=EC01-8K1:13
R1	=EC01-8K1:13	BK	=EC01-8K2:13
R1	=EC01-8K2:13	BK	=EC01-8K3:13
R1	=EC01-8K3:13	BK	=EC01-8K4:13

Connection designation	from		to
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R1	=EC01-8K5:13	BK	=EC01-8K6:13
R1	=EC01-8K6:13	BK	=EC01-8K7:13
R1	=EC01-8K7:13	BK	=EC01-8K8:13
R1	=EC01-8K8:13	BK	=EC01-9K6:13
R1	=EC01-9K6:13	BK	=EC01-9K7:13
R1	=EC01-9K7:13	BK	=EC01-9K8:13
R1	=EC01-9K8:13	BK	=EC01-XD9:1
	=AB01-2V3:-1	BU	=AB01-2V3:-2
0 VDC	=AB01-2V3:-2	BU	=EC01-3T3:-X80:2
0 VDC	=EC01-A1:X10:2	BU	=EC01-3T3:-X80:2
0 VDC	=EC01-A1:X10:2	BU	=EC01-A1:X10:6
0 VDC	=EC01-A1:X10:6	BU	=EC01-A1:X11:1
0 VDC	=EC01-A1:X11:1	BU	=EC01-A2:X10:2
0 VDC	=EC01-A2:X10:2	BU	=EC01-A2:X10:3
0 VDC	=EC01-A2:X10:3	BU	=EC01-A2:X11:3
0 VDC	=EC01-A2:X11:3	BU	=EC01-A3:X10:2
001	=EC01-A3:X10:2	BU	=EC01-A4:-X80:2
001	=EC01-A1:1M	BU	=EC01-A4:-X80:2
0 VDC	=EC01-A1:1M	BU	=EC01-A2:1M
0 VDC	=EC01-A2:1M	BU	=EC01-A2-A2:2M
0 VDC	=EC01-A1:3M	BU	=EC01-A2-A2:2M
R1	=AB01-2V3:13	BK	=AB01-2V3:L1
R1	=AB01-2H4:x1	BK	=AB01-2V3:14
QR 2-4	=AB01-2H5:x1	BK	=AB01-9K5:14
I0-0	=EC01-A1-A1:DI a.0	BK	=EC01-XD2:1
I0-1	=EC01-A1-A1:DI a.1	BK	=EC01-XD2:2
I0-2	=EC01-A1-A1:DI a.2	BK	=EC01-XD2:3
I0-3	=EC01-A1-A1:DI a.3	BK	=EC01-XD2:4
I0-4	=EC01-A1-A1:DI a.4	BK	=EC01-XD2:5
I0-5	=EC01-A1-A1:DI a.5	BK	=EC01-XD2:6
I0-6	=EC01-A1-A1:DI a.6	BK	=EC01-XD2:7
I0-7	=EC01-A1-A1:DI a.7	BK	=EC01-XD2:8
I1-0	=EC01-A1-A1:DI b.0	BK	=EC01-XD3:1
I1-1	=EC01-A1-A1:DI b.0	BK	=EC01-XD3:2
I1-2	=EC01-A1-A1:DI b.2	BK	=EC01-XD3:3
I1-3	=EC01-A1-A1:DI b.3	BK	=EC01-XD3:4

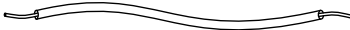
&EFS=EC01/15

41.a

Connection list

F27_003

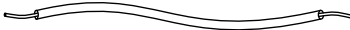
Connection designation	from		to
I1-4	=EC01-A1-A1:DI b.4	BK	=EC01-XD3:5
I1-5	=EC01-A1-A1:DI b.5	BK	=EC01-XD3:6
I2-0	=EC01-A2-A2:DI a.0	BK	=EC01-XD4:1
I2-1	=EC01-A2-A2:DI a.1	BK	=EC01-XD4:2
I2-2	=EC01-A2-A2:DI a.2	BK	=EC01-XD4:3
I2-3	=EC01-A2-A2:DI a.3	BK	=EC01-XD4:4
I2-4	=EC01-A2-A2:DI a.4	BK	=EC01-XD4:5
I2-5	=EC01-A2-A2:DI a.5	BK	=EC01-XD4:6
I2-6	=EC01-A2-A2:DI a.6	BK	=EC01-13K1:14
I2-7	=EC01-A2-A2:DI a.7	BK	=EC01-13K3:14
I3-0	=EC01-A2-A2:DI b.0	BK	=EC01-XD5:1
I3-1	=EC01-A2-A2:DI b.0	BK	=EC01-XD5:2
I3-2	=EC01-A2-A2:DI b.2	BK	=EC01-XD5:3
I3-3	=EC01-A2-A2:DI b.3	BK	=EC01-XD5:4
I3-4	=EC01-A2-A2:DI b.4	BK	=EC01-XD5:5
I3-5	=EC01-A2-A2:DI b.5	BK	=EC01-XD5:6
I3-6	=EC01-A2-A2:DI b.6	BK	=EC01-XD5:7
I3-7	=EC01-A2-A2:DI b.7	BK	=EC01-6S8:12
TC+0	=EC01-A3-A3:AI 0+	BK	=EC01-XD6:1
TC-0	=EC01-A3-A3:AI 0-	BK	=EC01-XD6:5
TC+1	=EC01-A3-A3:AI 1+	BK	=EC01-XD6:2
TC-1	=EC01-A3-A3:AI 1-	BK	=EC01-XD6:6
TC+2	=EC01-A3-A3:AI 2+	BK	=EC01-XD6:3
TC-2	=EC01-A3-A3:AI 2-	BK	=EC01-XD6:7
TC+3	=EC01-A3-A3:AI 3+	BK	=EC01-XD6:4
TC-3	=EC01-A3-A3:AI 3-	BK	=EC01-XD6:8
0 VDC	=EC01-A1:3M	BU	=EC01-8K1:A2
0 VDC	=EC01-A1:3M	BU	
0 VDC	=EC01-8K1:A2	BU	=EC01-8K2:A2
0 VDC	=EC01-8K1:A2	BU	=EC01-8K2
Q0-0	=EC01-A1-A1:DQ a.0	BK	=EC01-8K1:A1
	=EC01-8K1:A1		
0 VDC	=EC01-8K2:A2	BU	=EC01-8K3:A2
0 VDC	=EC01-8K2:A2	BU	=EC01-8K3
0 VDC	=EC01-8K2:A2	BU	
Q0-1	=EC01-A1-A1:DQ a.1	BK	=EC01-8K2:A1
	=EC01-8K2		=EC01-8K2:A1

Connection designation	from		to
0 VDC	=EC01-8K2	BU	=EC01-8K3:A2
0 VDC	=EC01-8K2	BU	=EC01-8K3
0 VDC	=EC01-8K2	BU	
0 VDC	=EC01-8K3:A2	BU	=EC01-8K4:A2
0 VDC	=EC01-8K3:A2	BU	=EC01-8K4
Q0-2	=EC01-A1-A1:DQ a.2	BK	=EC01-8K3:A1
	=EC01-8K3		=EC01-8K3:A1
0 VDC	=EC01-8K3	BU	=EC01-8K4:A2
0 VDC	=EC01-8K3	BU	=EC01-8K4
0 VDC	=EC01-8K4:A2	BU	=EC01-8K5:A2
0 VDC	=EC01-8K4:A2	BU	=EC01-8K5
Q0-3	=EC01-A1-A1:DQ a.3	BK	=EC01-8K4:A1
	=EC01-8K4		=EC01-8K4:A1
0 VDC	=EC01-8K4	BU	=EC01-8K5:A2
0 VDC	=EC01-8K4	BU	=EC01-8K5
0 VDC	=EC01-8K5:A2	BU	=EC01-8K6:A2
0 VDC	=EC01-8K5:A2	BU	=EC01-8K6
Q0-4	=EC01-A1-A1:DQ a.4	BK	=EC01-8K5:A1
	=EC01-8K5		=EC01-8K5:A1
0 VDC	=EC01-8K5	BU	=EC01-8K6:A2
0 VDC	=EC01-8K5	BU	=EC01-8K6
0 VDC	=EC01-8K6:A2	BU	=EC01-8K7:A2
0 VDC	=EC01-8K6:A2	BU	=EC01-8K7
Q0-5	=EC01-A1-A1:DQ a.5	BK	=EC01-8K6:A1
	=EC01-8K6		=EC01-8K6:A1
0 VDC	=EC01-8K6	BU	=EC01-8K7:A2
0 VDC	=EC01-8K6	BU	=EC01-8K7
0 VDC	=EC01-8K7:A2	BU	=EC01-8K8:A2
0 VDC	=EC01-8K7:A2	BU	=EC01-8K8
Q0-6	=EC01-A1-A1:DQ a.6	BK	=EC01-8K7:A1
	=EC01-8K7		=EC01-8K7:A1
0 VDC	=EC01-8K7	BU	=EC01-8K8:A2
0 VDC	=EC01-8K7	BU	=EC01-8K8
0 VDC	=EC01-8K8:A2	BU	=EC01-9K1:A2
0 VDC	=EC01-8K8:A2	BU	
Q0-7	=EC01-A1-A1:DQ a.7	BK	=EC01-8K8:A1
	=EC01-8K8		=EC01-8K8:A1

Connection list

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Connection designation	from		to
0 VDC	=EC01-8K8	BU	=EC01-9K1:A2
0 VDC	=EC01-8K8	BU	
0 VDC	=EC01-9K1:A2	BU	=EC01-9K2:A2
0 VDC	=EC01-9K1:A2	BU	=EC01-9K2
Q2-0	=EC01-A1-A2:DQ a.0	BK	=EC01-9K1:A1
	=EC01-9K1:A1		
0 VDC	=EC01-9K2:A2	BU	=EC01-9K3:A2
0 VDC	=EC01-9K2:A2	BU	=EC01-9K3
0 VDC	=EC01-9K2:A2	BU	
Q2-1	=EC01-A1-A2:DQ a.1	BK	=EC01-9K2:A1
	=EC01-9K2		=EC01-9K2:A1
0 VDC	=EC01-9K2	BU	=EC01-9K3:A2
0 VDC	=EC01-9K2	BU	=EC01-9K3
0 VDC	=EC01-9K2	BU	
0 VDC	=EC01-9K3:A2	BU	=EC01-9K4:A2
0 VDC	=EC01-9K3:A2	BU	=EC01-9K4
Q2-2	=EC01-A1-A2:DQ a.2	BK	=EC01-9K3:A1
	=EC01-9K3		=EC01-9K3:A1
0 VDC	=EC01-9K3	BU	=EC01-9K4:A2
0 VDC	=EC01-9K3	BU	=EC01-9K4
0 VDC	=EC01-9K4:A2	BU	=EC01-9K5:A2
0 VDC	=EC01-9K4:A2	BU	=EC01-9K5
Q2-3	=EC01-A1-A2:DQ a.3	BK	=EC01-9K4:A1
	=EC01-9K4		=EC01-9K4:A1
0 VDC	=EC01-9K4	BU	=EC01-9K5:A2
0 VDC	=EC01-9K4	BU	=EC01-9K5
0 VDC	=EC01-9K5:A2	BU	=EC01-9K6:A2
0 VDC	=EC01-9K5:A2	BU	=EC01-9K6
Q2-4	=EC01-A1-A2:DQ a.4	BK	=EC01-9K5:A1
	=EC01-9K5		=EC01-9K5:A1
0 VDC	=EC01-9K5	BU	=EC01-9K6:A2
0 VDC	=EC01-9K5	BU	=EC01-9K6
0 VDC	=EC01-9K6:A2	BU	=EC01-9K7:A2
0 VDC	=EC01-9K6:A2	BU	=EC01-9K7
Q2-5	=EC01-A1-A2:DQ a.5	BK	=EC01-9K6:A1
	=EC01-9K6		=EC01-9K6:A1
0 VDC	=EC01-9K6	BU	=EC01-9K7:A2

Connection designation	from		to
0 VDC	=EC01-9K6	BU	=EC01-9K7
0 VDC	=EC01-9K7:A2	BU	=EC01-9K8:A2
0 VDC	=EC01-9K7:A2	BU	=EC01-9K8
Q2-6	=EC01-A1-A2:DQ a.6	BK	=EC01-9K7:A1
	=EC01-9K7		=EC01-9K7:A1
0 VDC	=EC01-9K7	BU	=EC01-9K8:A2
0 VDC	=EC01-9K7	BU	=EC01-9K8
0 VDC	=EC01-9K8:A2	BU	=EC01-U4-XD13:1
Q2-7	=EC01-A1-A2:DQ a.7	BK	=EC01-9K8:A1
	=EC01-9K8		=EC01-9K8:A1
0 VDC	=EC01-9K8	BU	=EC01-U4-XD13:1
QR 0-0	=EC01-8K1:14	BK	=EC01-XD7:1:2
QR 0-1	=EC01-8K2:14	BK	=EC01-XD7:2:2
QR 0-2	=EC01-8K3:14	BK	=EC01-XD7:3:2
QR 0-3	=EC01-8K4:14	BK	=EC01-XD7:4:2
QR 0-4	=EC01-8K5:14	BK	=EC01-XD7:5:2
QR 0-5	=EC01-8K6:14	BK	=EC01-XD7:6:2
QR 0-6	=EC01-8K7:14	BK	=EC01-XD7:7:2
QR 0-7	=EC01-8K8:14	BK	=EC01-XD7:9:2
QR 2-0	=EC01-9K1:14	BK	=EC01-XD8:1:2
R0	=EC01-9F1:2	BK	=EC01-9K1:13
QR 2-1	=EC01-9K2:14	BK	=EC01-XD8:2:2
R0	=EC01-9F2:2	BK	=EC01-9K2:13
QR 2-2	=EC01-9K3:14	BK	=EC01-XD8:3:2
R0	=EC01-9K3:13	BK	=EC01-X9:3
QR 2-3	=EC01-9K4:14	BK	=EC01-XD8:4:2
R0	=EC01-9K4:13	BK	=EC01-X9:4
N	=EC01-Signal-tower-11H6:x2	GY	=EC01-X1:4
N	=EC01-Signal-tower-11H7:x2	GY	=EC01-X1:4
N	=EC01-Signal-tower-11H7:x2	GY	=EC01-Signal-tower-11H8:x2
QR 2-7	=EC01-Signal-tower-11H6:x1	VT	=EC01-X1:1
QR 2-5	=EC01-9K6:14	BK	=EC01-X1:1
QR 2-7	=EC01-Signal-tower-11H7:x1	GN	=EC01-X1:2
QR 2-6	=EC01-9K7:14	BK	=EC01-X1:2
QR 2-7	=EC01-Signal-tower-11H8:x1	RD	=EC01-X1:3
QR 2-7	=EC01-9K8:14	BK	=EC01-X1:3
	=EC01-XD9:1	BK	=EC01-XD9:2

41.a

	Name	Date	Project Name : project Mr Hamzehi DW-1
Creator	Mr Elyasi	10/15/2025	Project Description :
Checked by	Hamzehi	10/15/2025	Customer :
Approved by			Customer phone : 0921293092 customer city : Tehran



Connection list : 0 VDC -

PDF viewer



Creator Company



Creator WhatsApp



= HB02	
+ EAA	
IEC_bas001	Page 41.b
nicraco.ir@gmail.com	Page 30 / 33

41.c

ENCLOSURE CERTIFICATE

Manufacturer of the ASSEMBLY:
.....
.....

Creator: Ahmadreza Elyasi
.....

Customer:
.....

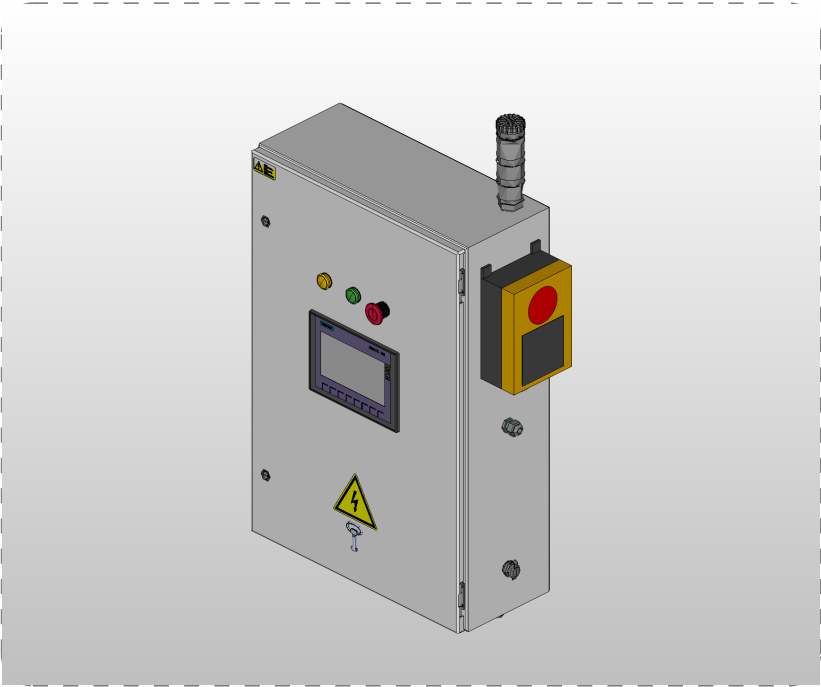
Order number: 02155
.....

Project name:
.....

Type:
.....

Address:
.....

Phone:
.....



Low-voltage switchgear and controlgear ASSEMBLIES

- ☐ Power Switchgear Combination (PSC) Design verification pursuant to IEC 61439-2 / VDE
- ☐ Sub-distribution board (DBO) Design verification pursuant to IEC 61439-3 / VDE

ASSEMBLY rating data:

Rated voltage:	 V	Short-circuit withstand strength
Rated voltage:	 Hz	Icc: kA
Network system:	☐ TN ☐ TT ☐ IT	Icw: kA
Rated current of the ASSEMBLY InA:	 A	Ipk: kA
Rated impulse withstand voltage (Uimp):	 kV	
IP ENCLOSURE:	IP	

ENCLOSURE

Dimensions	Width..... mm	Height..... mm	Deep..... mm
Mechanical impact strength of indoor installations	☐ o.k	☐ n.o.k	☐ n.c
Enclosures suited for outdoor installations (UV-resistance, water protection, dew condensation)	☐ o.k	☐ n.o.k	☐ n.c
Mechanical impact strength of outdoor installations (use by ordinary persons)	☐ o.k	☐ n.o.k	☐ n.c

Check performed by:

Name and signature of the performer

Place / Date

Name and signature of the tester

Place / Date

