

Technical specification

Standards

DIN VDE 0100-710
 DIN VDE 0660-600-1, -2
 DIN VDE 0570-2-15

EN 61439-1, -2
 EN 61558-2-15

IEC 60364-7-710
 IEC 61439-1, -2
 IEC 61558-2-15

additional note for Austria
 ÖVE-EN7/1991, ÖVE EN7a/1994
 ÖVE/ÖNORM E8007/A1:2002-02-01
 ÖVE/ÖNORM E8007/A2:2002-11-01

Rated values

Voltage (Un, Ue)	as specified in the circuit diagram
Rated current (InA)	as specified in the circuit diagram
Frequency (fn)	50/60Hz
Insulation voltage (Ui)	250/400V
Impulse withstand voltage (Uimp)	4kV/III
Branch current (Inc)	as specified in the circuit diagram
Short-term withstand current (Icw)	as specified in the circuit diagram
Peak current (Ipk)	as specified in the circuit diagram

Rated diversity factor RDF acc. IEC61439-2, DIN VDE 0660-600-2

Extract from table 101

Quantity of circuits factor	
2-3	0.9
4-5	0.8
6-9	0.7
>9	0.6
Loads <=100kW	0.8

Wiring types

Form	Voltage	Wire color	Colour abbreviations
Main circuit	AC 230/400V	black	BK
Neutral conductor		light blue	BU
PE-Conductor		green/yellow	GN/YE
Control voltage	AC 230V	red	RD
Control voltage	AC 24V	brown	BN
Control voltage	DC 24V	blue	BU
External voltage/potential free		orange	OR
Data circuits		white/brown	WH/BN
Measuring circuits		grey	GR
Voltfree contacts		white	WH

Neutral/disconnect terminal	< =35mm ²
Wire type code	H07Z-K NSHXAFÖ
Wire colors	DIN EN 60445, VDE 0197 DIN EN 60204-1, VDE 0113-1

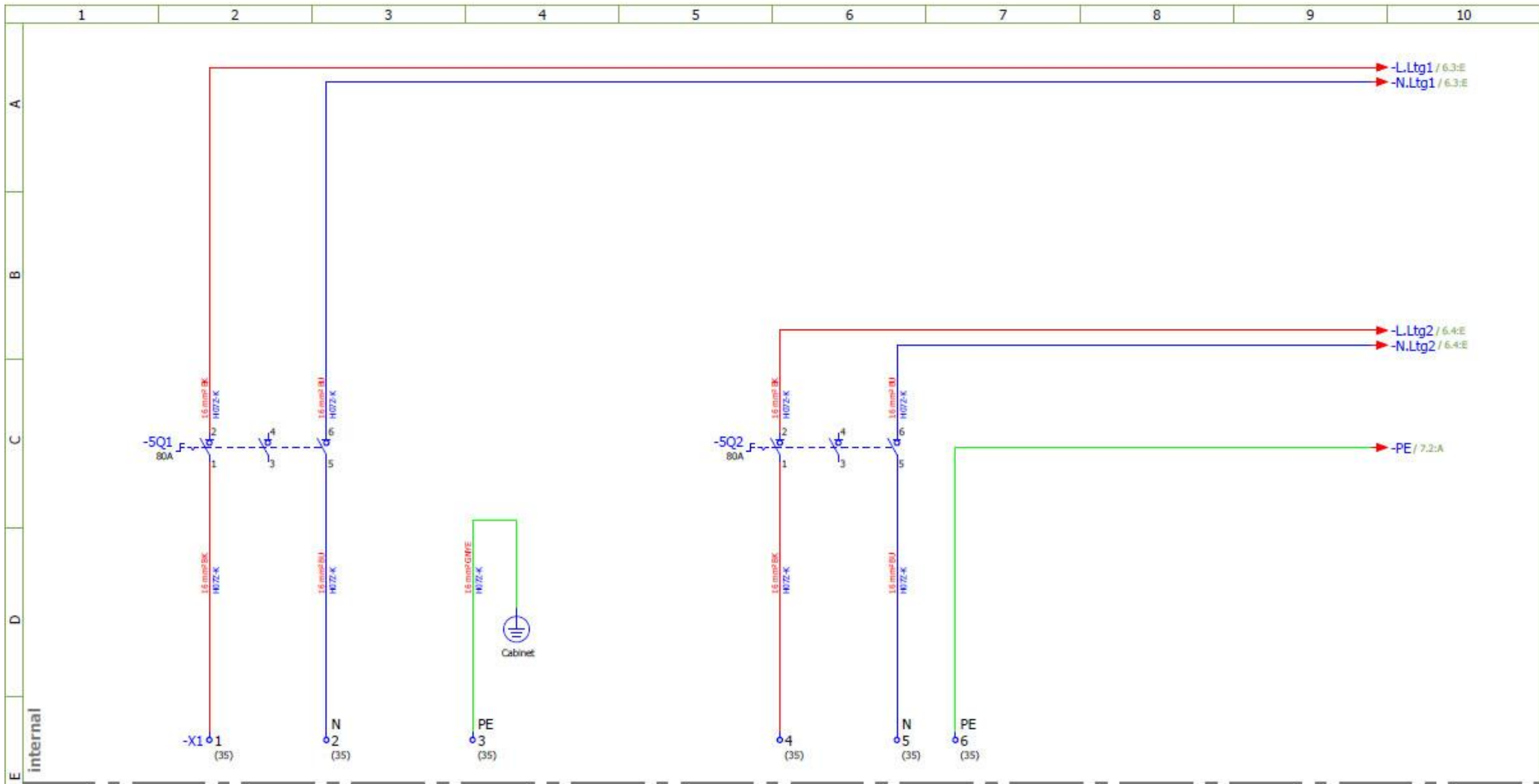
Information about the connection in accordance with IEC60364-5-52, VDE0100-520:
 Circuits with different voltages may be placed in the same cable channel,
 if the cable / conductor is rated for the highest applied voltage.
 Under certain circumstances, a cable must be dismantled just right before the terminal.
 An EMC compliant installation must be observed.

Marking/Identification

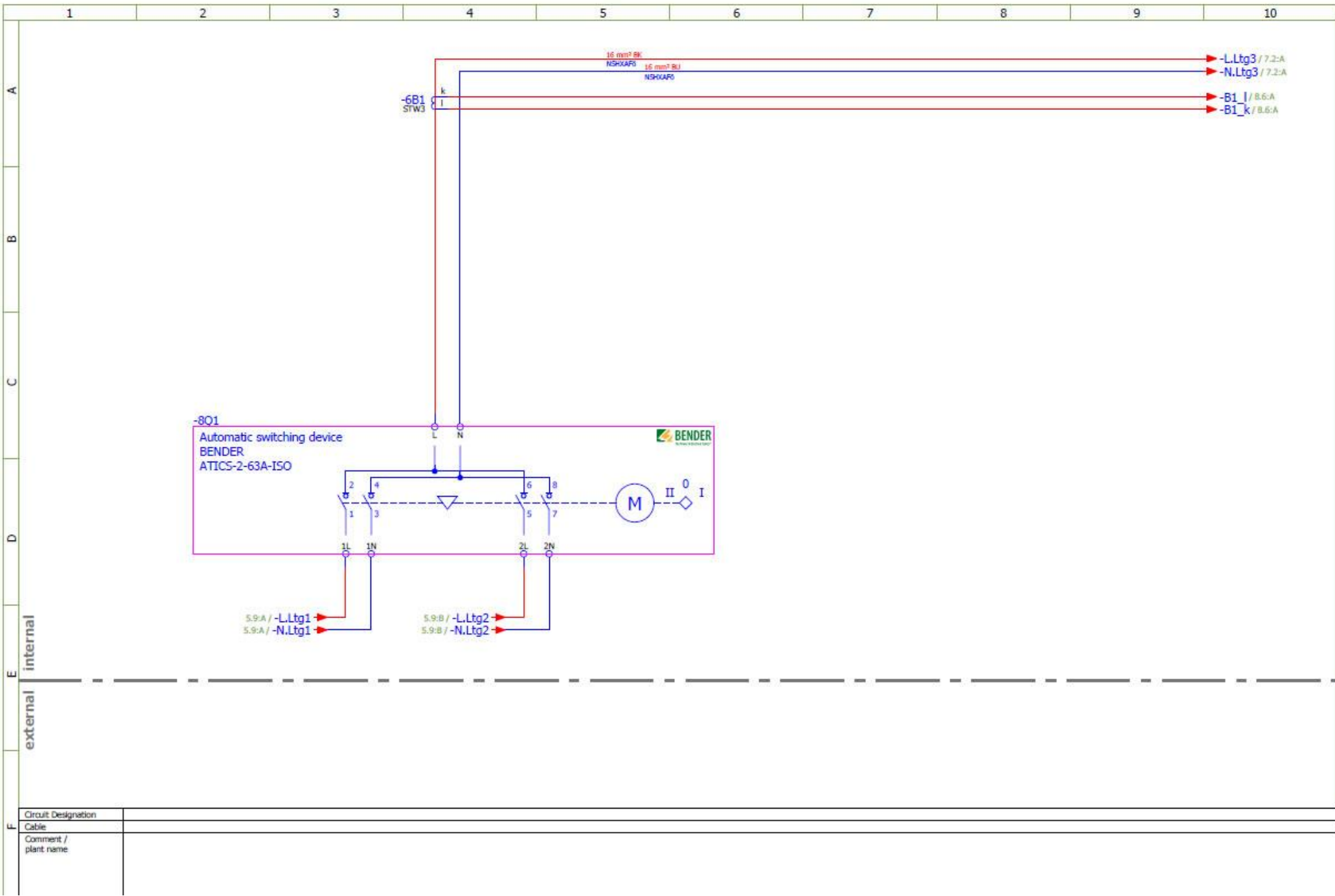
Device identification	white adhesive labels, black writing	DIN EN 61346-2
Terminal referencing	white plastic signs, black writing	DIN EN 61346-2

Note

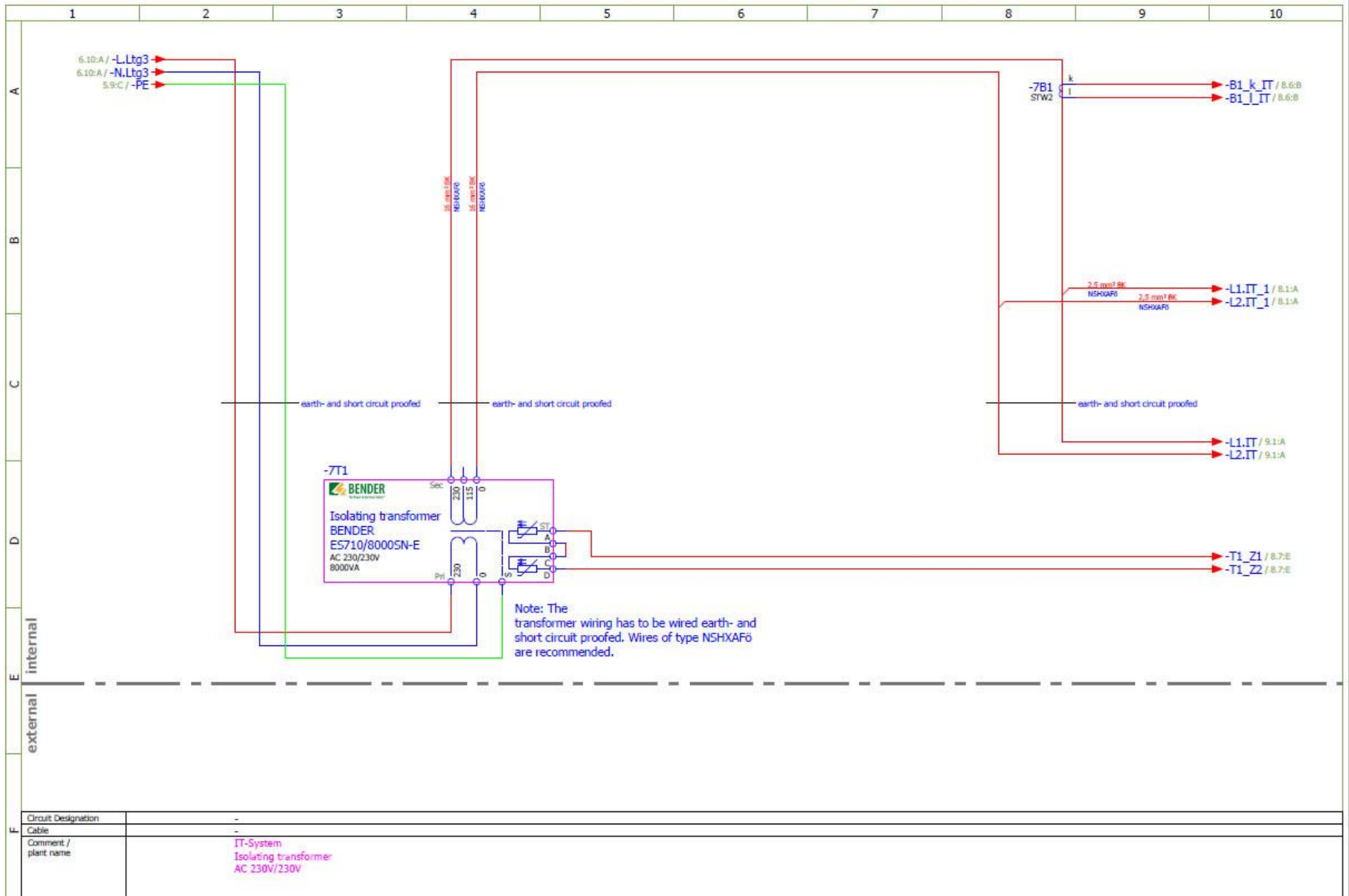
The general safety and installation advice manual for switchgear assemblies must be followed.
 This switchgear is designed for use in non-public or industrial low voltage systems.
 EMC-environment A, acc. to IEC61439-1, Appendix J, J9.4.1.

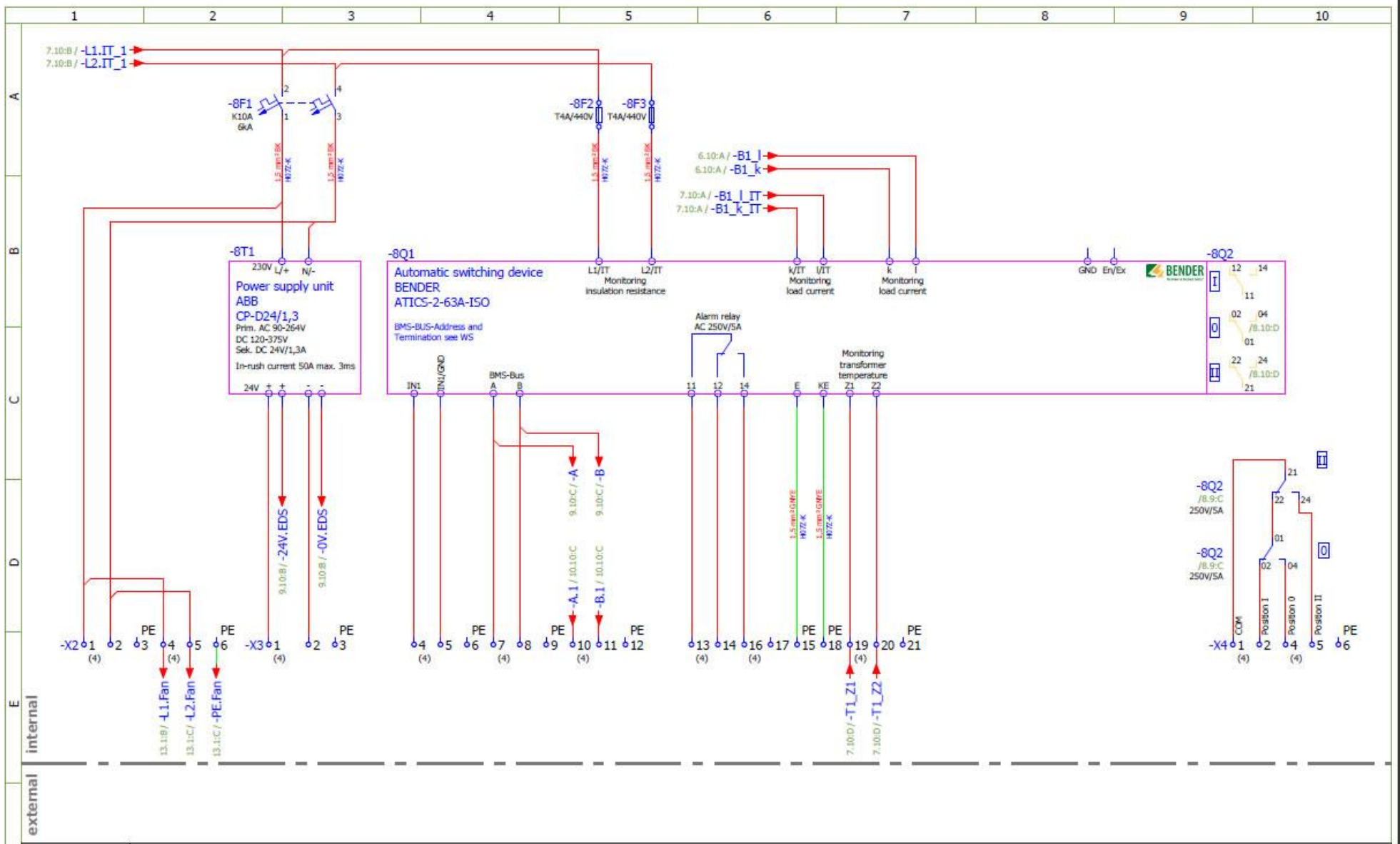


internal		external	
Circuit Designation	-	-	-
Voltage (Un, Ue)	L/N/PE AC 230V 50/60Hz	L/N/PE AC 230V 50/60Hz	L/N/PE AC 230V 50/60Hz
Short-term withstand current (Isw)	9 kA / 0.2 sec.	9 kA / 0.2 sec.	9 kA / 0.2 sec.
Peak current (Ipk)	15.3 kA	15.3 kA	15.3 kA
Pre-fuse (InA)	qG 63A	qG 63A	qG 63A
Cable	-	-	-
Comment / plant name	Power input line 1	Power input line 2	



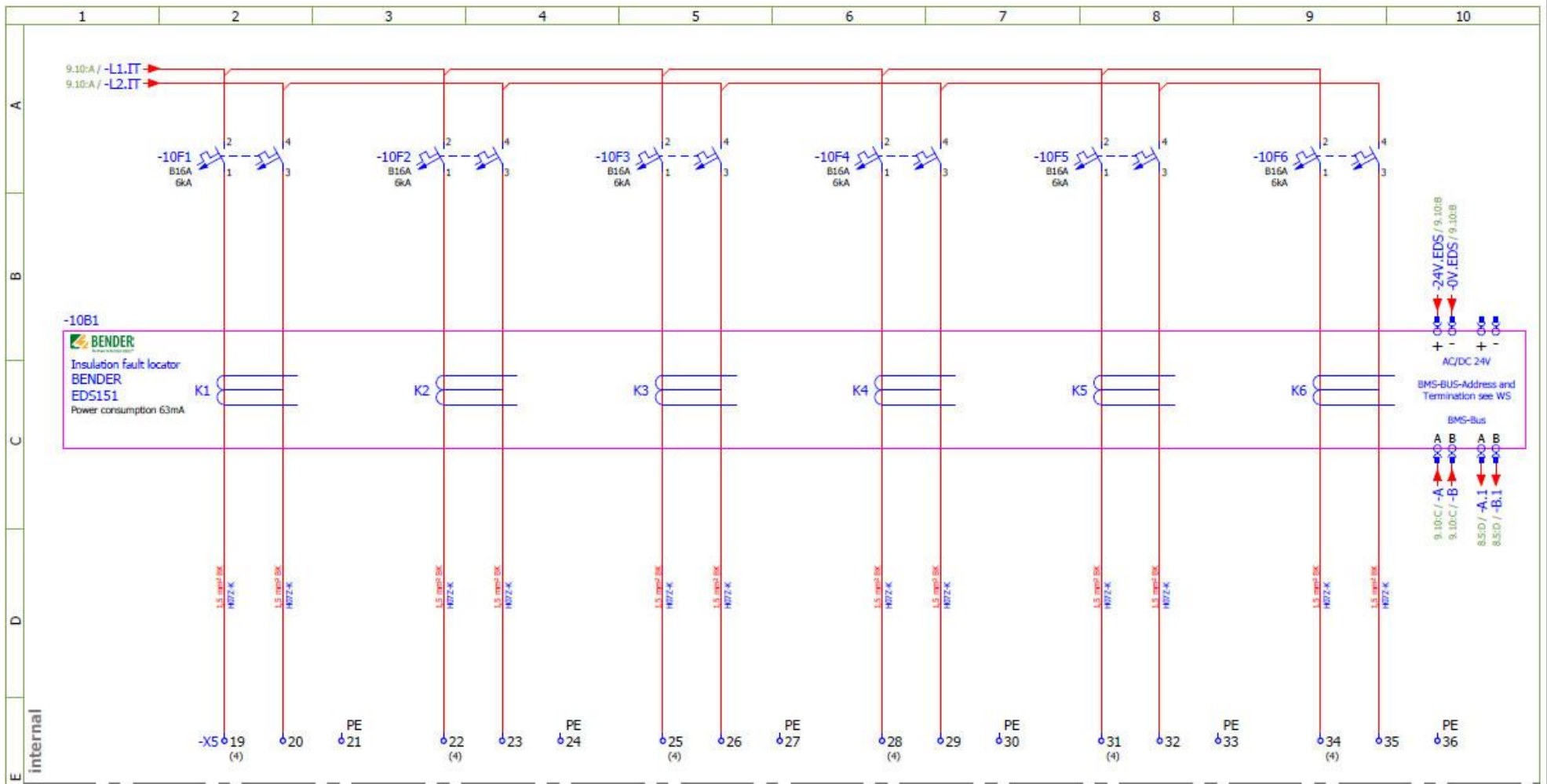
Circuit Designation	
Cable	
Comment / plant name	



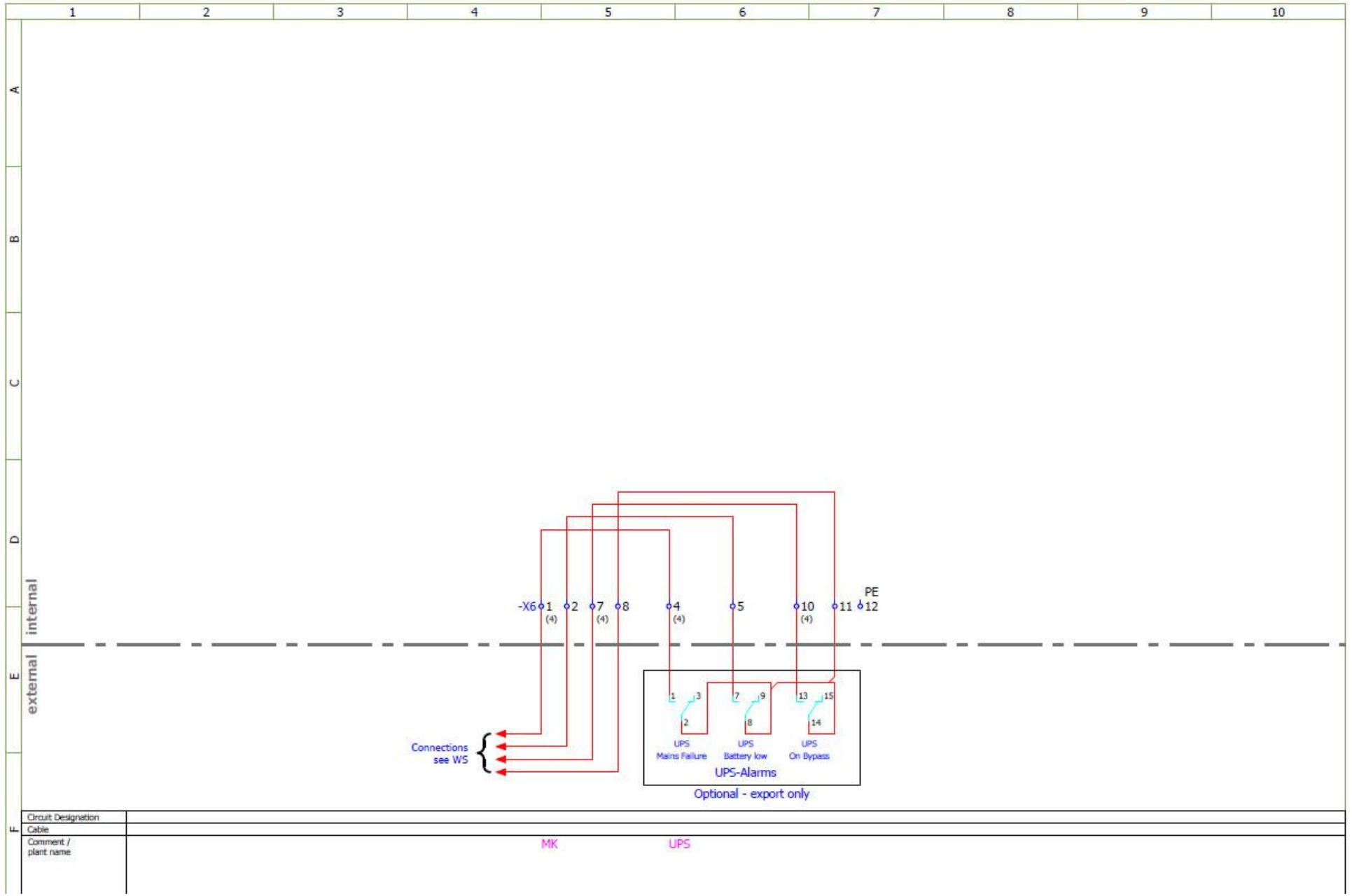



Circuit Designation	-	-	-	-	-	-	-	-	-
Cable	-	-	-	-	-	-	-	-	-
Comment / plant name	Power supply auxiliary device 230V AC	Power supply auxiliary device 24V DC	digital input external test	Interface BMS internal	Interface BMS internal	General fault adjustable	Isolating transformer Temperature monitoring	Alarm contacts ATICS position	

Connections see WS



Circuit Designation	-	-	-	-	-	-
Cable	-	-	-	-	-	-
Comment / plant name	-	-	-	-	-	-



	1	2	3	4	5	6	7	8	9	10						
A																
B																
C																
D																
E	<p>-12XE1 PE-Rail grounded</p>  <p>24x(16)</p>															

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