

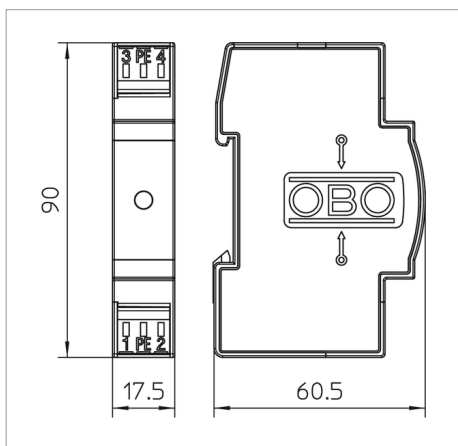
Technical data sheet

MCR protection for 2-pin for power supply, 230 V



Surge protection, fine power protection, type 3, to EN 61643-11 (D to VDE 0675 Part 6-11)

- Suitable for DC and AC voltage systems
- With visual function display
- With installation-friendly, screwless connection terminals
- In a space-saving 17.5 mm grid
- Y connection



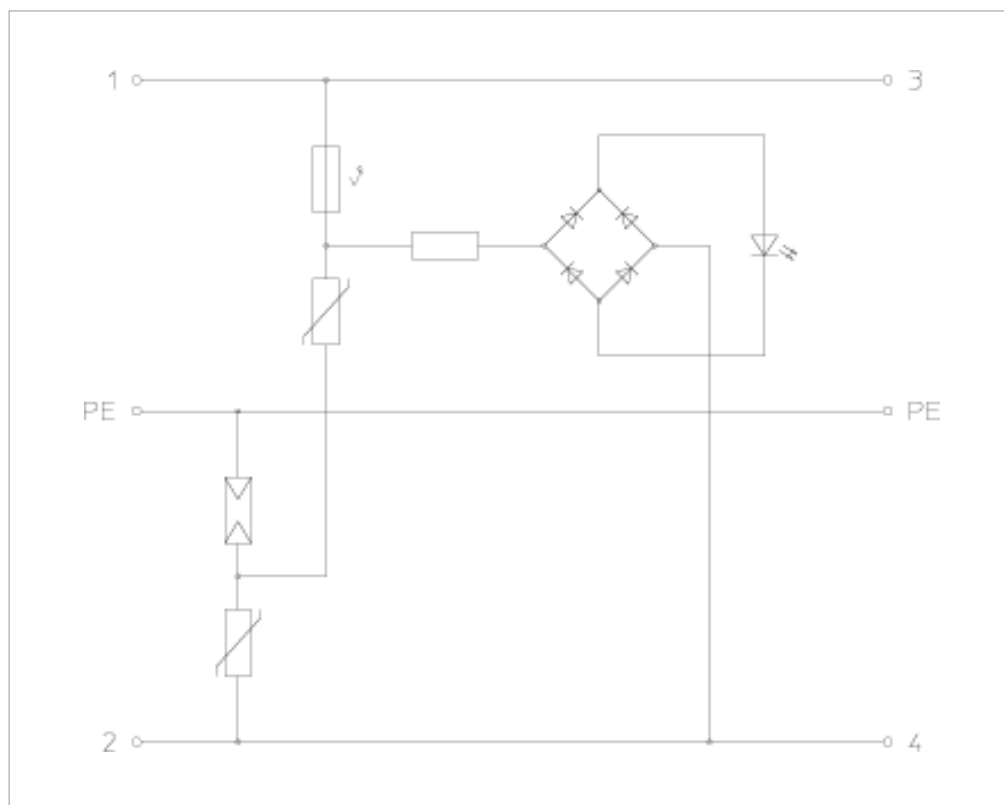
Application: Universal use on 35 mm hat profile rails in standard distributor housings.

Type	U max DC V	U max AC V	Pack. pcs	Weight kg/100 pcs.	Art.-No.
VF12-AC DC	18		1	9.000	5097453
VF24-AC/DC	46		1	8.000	5097607
VF48-AC/DC	80		1	8.000	5097615
VF60-AC/DC	110		1	8.000	5097623
VF110-AC DC	200		1	8.000	5097631
VF230-AC/DC	350		1	8.000	5097650



/pc.

Connection-/Circuit diagram



Article number		5097453	5097607	5097615	5097623	5097631	5097650	
U max DC	U_c DC	V	18	46	80	110	200	350
SPD to EN 61643-11			Type 3	Type 3	Type 3	Type 3	Type 3	Type 3
SPD to IEC 61643-11			class III	class III	class III	class III	class III	class III
Lightning protection Zone LPZ			2→3	2→3	2→3	2→3	2→3	2→3
Nominal discharge current (8/20)	I_n	kA	0.7	0.7	0.7	0.7	2	2.5
Rated current	I_L	A	20	20	20	20	20	20
Voltage protection level line-line		V	<110	<130	<220	<280	<500	<1000
Voltage protection level line-earth		V	<1200	<1200	<1200	<1200	<1400	<1400
Response time	t_A	ns	< 25	< 25	< 25	< 25	< 25	<25
Temperature range	ϑ	°C	-40 - +80	-40 - +80	-40 - +80	-40 - +80	-40 - +80	-40 - +80
Protection rating			IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Division unit TE (17.5 mm)			1	1	1	1	1	1
Connection cross-section, rigid		mm ²	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Connection cross-section, multi-wire		mm ²	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Connection cross-section, flexible		mm ²	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5

Legend



Russia, GOST The State Committee for Standards



5-year warranty



Communautés Européennes, EC declaration of conformity according to EC directives



Protection device to DIN EN 61643-11 or IEC 61643-11



Transition from LPZ 2 to LPZ 3