

# Technical data sheet

## Lightning current arrester, 1-pole

Item no. 5096847



Type 1 lightning arrester in accordance with DIN EN 61643-11 for interface 0 to 1 (LPZ) to and/or in accordance with lightning protection concept to IEC 61312-1 and/or VDE 0185-305 (IEC 62305)

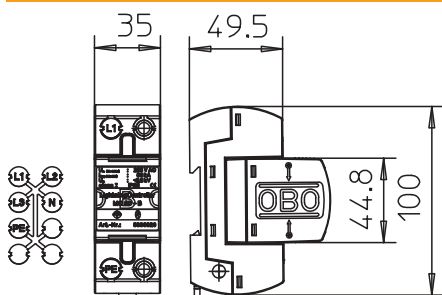
- Cover and base, plug-in cover
- Arresting capacity 50 kA (10/350  $\mu$ s) per pole
- Voltage protection level < 2.0 kV
- Line following current quenching 25 kA Ipeak
- Incl. plug caps for labelling the connections
- Encapsulated, non-extinguishing spark gap: can be used in standard distributor housings

Application example: Industrial plants; lightning arrester in accordance with VDE-AR-N 4100 for pre-meter area.

Note: Requires as a decoupling length for surge protection 5 m of cable.



### Dimensions



Length	100,00 mm
Width	35,00 mm
Height	69,00 mm

### Master data

Item no.	5096847
Type	MC 50-B VDE
Description 1	LightningController
Dimension	255V
Smallest sales unit (VG)	1,00 Piece
Weight	34,40 kg/100 pc.

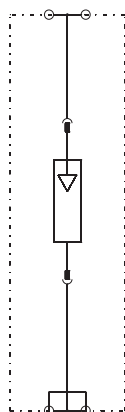
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### Technical data



SPD to EN 61643-11	Type 1
SPD to IEC 61643-11	Class I
SPD to UL 1449	Type 1
Test class, type 1	<input checked="" type="checkbox"/>
Nominal voltage	230,00 V
Maximum continuous voltage AC	255,00 V
Max. continuous operating voltage	255,00 V
Nominal discharge current (8/20)	50 kA
Impulse discharge current (10/350)	50,00 kA
Lightning surge current (10/350)	50,00 kA
Arrester surge current (8/20) [total]	50,00 kA
Protection level	< 2,0 kV
Follow current quenching capacity (eff) [N-PE]	25,00 kA
Follow current quenching capacity left	12,50 kA
Response time	<100 ns
Maximum back-up fuse	500,00 A
Temperature range	-40+85 °C
Pole version	1
Version	1-pole complete; 255 V
Version	1-pole
Mounting type	Hat rail 35 mm
Installation type	DIN rail 35 mm
Protection rating	IP20
Protection rating	IP 20
Blow-out	<input type="checkbox"/>
Division unit TE (17.5 mm)	2
Remote signalling	<input type="checkbox"/>
Telecommunications contact	<input type="checkbox"/>
Connection cross-section, flexible	10,00 - 25,00 mm <sup>2</sup>
Connection cross-section, rigid	10,00 - 50,00 mm <sup>2</sup>
Connection cross-section, multi-wire	10,00 - 35,00 mm <sup>2</sup>
Signalling on device	None