

Lightning current arrester, 1-pole



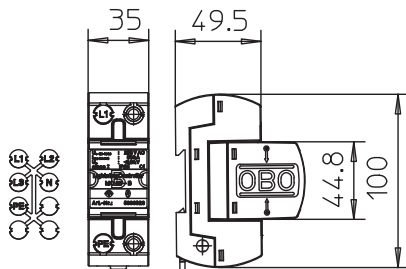
MC 50-B VDE: Type 1 (Class B) lightning current arrester in accordance with DIN EN 61643-11 for interface 0 to 1 (LPZ) to and/or in accordance with lightning protection concept to IEC 61313-1 and/or DIN VDE 0185-305 (IEC 62305)

- Cover and base, plug-in cover
- Arresting capacity 50 kA (10/350 μ s) per pole
- Protection level < 2.0 kV
- Line following current quenching 25 kA I_{peak}
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap: can be used in standard distributor housings

Application example: Industrial plants; lightning current arrester in accordance with VDN Directive for pre-meter area.

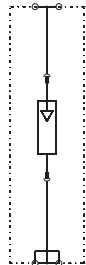
Note: Required as decoupling length for surge voltage protection of 5 m of cable.

Dimensions



Type	Highest Version continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
MC 50-B VDE	255 1-pole	1	34,400	5096847

Connection options



MC 50-B VDE

Nominal voltage V	U _N	230
SPD to EN 61643-11		Type 1
SPD to IEC 61643-11		Class I
Lightning protection zone LPZ		0→1
Impulse discharge current (10/350) kA	I _{imp}	50
Total discharge current (10/350) kA	I _{total}	50
Nominal discharge current (8/20) kA	I _n	50
Arrester surge current (8/20) [total] kA	I _{total 8/20}	50
Voltage protection level kV	U _p	< 2,0
Response time ns	t _A	< 100
Follow current quenching capacity (eff) [N-PE] kA	I _{in}	25
Maximum back-up fuse A		500
Temperature range °C	θ	-40/+85
Division unit TE (17.5 mm)		2
Protection rating		IP20
Connection cross-section rigid mm ²		10-50
Connection cross-section, multi-wire mm ²		10-35
Connection cross-section, flexible mm ²		10-25