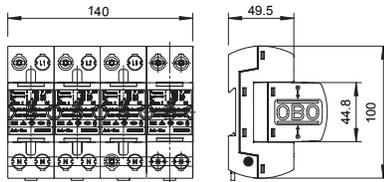


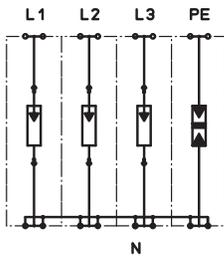
Lightning current arrestor, 3-pole + NPE



Dimensions



Connection options



LightningController-Set, 4-pole, for use in TN-S and TT networks:

Completely pre-terminated and ready for connection, consisting of:
MC 50-B VDE: Lightning current arrestor, type 1 (Class B) to EN 61643-11 for interface 0 to 1 (LPZ) according to lightning protection zone concept to IEC 61313-1 and DIN VDE 0185-305.

MC 125-B/NPE: N-PE spark gap, type 1 (Class B) to IEC 61643 for use in TN-S and TT systems.

- VDE test marks
- Conforms to VDN Directive 2nd Edition 2004
- Cover and base, plug-in cover
- Arresting capacity 125 kA 10/350 μ s
- Voltage 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: Lightning current arrestor in accordance with VDN Directive 2nd Edition 2004 for pre-meter area.

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

Type	Highest Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MC 50-B 3+1	255 3 + NPE	1	168,000	5096878

MC 50-B 3+1

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}	125
Nominal discharge current (8/20) kA	I _n	50
Arrestor surge current (8/20) [total] kA	I _{total 8/20}	125
Voltage protection level kV	U _p	< 2,0
Response time ns	t _A	< 100
Follow current quenching capacity (eff) [N-PE] kA	I _h	25
Maximum back-up fuse A		500
Temperature range °C	θ	-40-85
Division unit TE (17.5 mm)		8
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