

## Lightning current arrestor, 3-pole

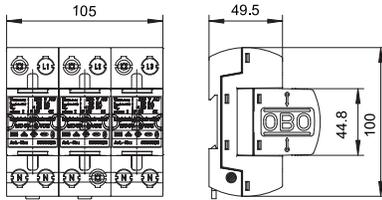


LightningController set, 3-pole, for use in TN-C networks:

Completely pre-terminated and ready for connection, consisting of:  
MC 50-B VDE: Type 1 (Class B) lightning current arrestor 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 DIN V VDE V 0185-305 (IEC 62305)

- VDE test marks
- Conforms to VDN Directive 2nd Edition 2004
- 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 I<sub>peak</sub>
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap: can be used in standard distributor housings

### Dimensions

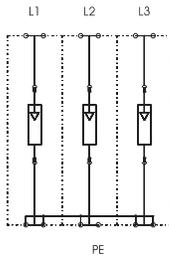


Application example: Industrial plants; lightning current arrestor in accordance with VDN Directive 2nd Edition 2004 for pre-meter area.

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	255   3-pole	1	117,000	5096876

### Connection options



#### MC 50-B 3

Nominal voltage V	U <sub>N</sub>	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 <sub>imp</sub>	50
Total discharge current (10/350) kA	I <sub>total</sub>	150
Nominal discharge current (8/20) kA	I <sub>n</sub>	50
Arrestor surge current (8/20) [total] kA	I <sub>total 8/20</sub>	150
Voltage protection level kV	U <sub>p</sub>	< 2,0
Response time ns	t <sub>A</sub>	<100
Follow current quenching capacity (eff) [N-PE] kA	I <sub>in</sub>	25
Maximum back-up fuse A		500
Temperature range °C	θ	-40-85
Division unit TE (17.5 mm)		6
Protection rating		IP20
Connection cross-section rigid mm <sup>2</sup>		10-50
Connection cross-section, multi-wire mm <sup>2</sup>		10-35
Connection cross-section, flexible mm <sup>2</sup>		10-25