

## Combination arrester, 1-pole

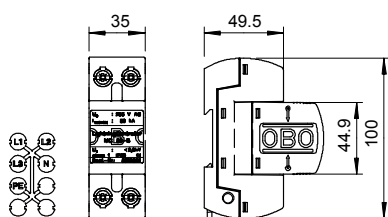


Combination arrester, 1-pole, for use in TN-S and TT networks:

MCD 50-B: Type 1 (Class B) coordinated lightning current arresters to DIN EN 61643-11. For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and/or DIN VDE 0185-305.

- Arresting capacity 50 kA (10/350  $\mu$ s) per pole
- Conforms to VDN Directive 2nd Edition 2004
- Protection level < 1.3 kV
- Line follow 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.

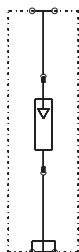
### Dimensions



Application example: Compact surge protection concepts in a separate housing. Installation of requirement class B+C arresters in a distributor without decoupling inductances and/or line lengths, e.g. direct on mobile radio system.

Type	Highest Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B	255   1-pole	1	34,400	5096849

### Connection options



#### MCD 50-B

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		0-2
Impulse discharge current (10/350) kA	I <sub>imp</sub>	50
Total discharge current (10/350) kA	I <sub>total</sub>	50
Nominal discharge current (8/20) kA	I <sub>n</sub>	50
Arrester surge current (8/20) [total] kA	I <sub>total 8/20</sub>	50
Voltage protection level kV	U <sub>p</sub>	<1,3
Response time ns	t <sub>A</sub>	<100
Follow current quenching capacity (eff) [N-PE] kA	I <sub>li</sub>	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 <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