

Technical data sheet

Surge protection, arrester, type 1+2 (office and housing)



Combination arrester, 1-pole with function display

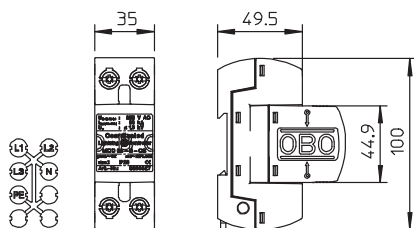


Combination arrester, type 1+2, 1-pole, for use in TN and TT networks:

MCD 50-B-OS: Coordinated lightning current arrester, Type 1 (Class B) to EN 61643-11 with visual function display. 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 μ s) per pole
- Power consumption < 26 mW/pole
- Protection level < 1.3 kV
- Line follow 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.

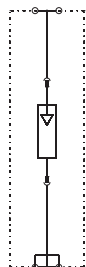
Dimensions



Application: Compact surge protection concepts and installations in a distributor.

Type	Highest Version continuous voltage V	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B-OS	255 1-pole	1	34,800	5096852

Connection options



MCD 50-B-OS

Nominal voltage V	U _N	230
SPD to EN 61643-11		—
SPD to IEC 61643-11		Type 1+2
Lightning protection zone LPZ		Class I+II
Impulse discharge current (10/350) kA	I _{imp}	0→2
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	< 1.7
Response time ns	t _A	< 100
Follow current quenching capacity I _{eff} kA	I _{eff}	10
Maximum back-up fuse A		500
Temperature range °C	Θ	-40+85
Division unit TE (17.5 mm)		2
Protection rating		IP20
Approvals		VDE
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