

Technical data sheet

Surge protection, arrester, type 1 (industry)



Combination arrester, 1-pole

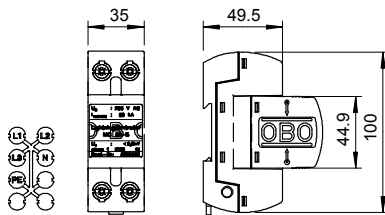


Combination arrester, 1-pole, for use in TN-S and TT networks:

MCD 50-B: Type 1 (Class B) coordinated lightning current arrestors 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 μ s) per pole
- Conforms to VDN Directive 2nd Edition 2004
- 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.

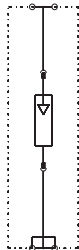
Dimensions



Application example: Compact surge protection concepts in a separate housing. Installation of requirement class B+C arrestors 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 _N 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 _{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 <1,3
Response time ns	t _A <100
Follow current quenching capacity (eff) [N-PE] kA	I _{li} 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