



Combination arrester, 3-pole

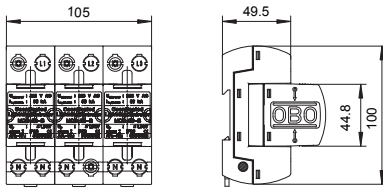


Combination arrester, 3-pole, for use in TN-C networks.

Completely pre-terminated and ready for connection, consisting of:
MCD 50-B: Type 1 (Class B) coordinated lightning current arrester to DIN EN 61643-11.
For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and 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.

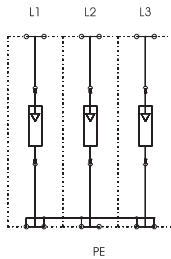
Dimensions



Application example: Compact surge protection concepts and installations 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 continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 3	255	3-pole	1	117,000	5096877

Connection options



MCD 50-B 3

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}	150
Nominal discharge current (8/20) kA	I _n	50
Arrester surge current (8/20) [total] kA	I _{total 8/20}	150
Voltage protection level kV	U _p	1
Response time ns	t _A	<100
Follow current quenching capacity (eff) [N-PE] kA	I _{in}	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 ²		10-50
Connection cross-section, multi-wire mm ²		10-35
Connection cross-section, flexible mm ²		10-25