Technical data sheet
Surge protection, arrestor, type 1 (industry)

Combination arrestor, 1-pole NPE

230/400 V System | Type 1 | LPZ 0→2

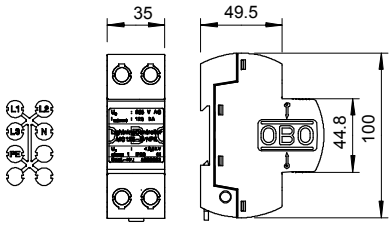
arrestor for use in TN-S and TT systems.

MCD 125-B/NPE: as coordinated N-PE discharge gap, Type 1 (Class B) IEC 61643. For interface 0 to 1 (LPZ) according to lightning protection zone concept to IEC 61312-1 and/or DIN VDE 0185-305 for use as discharge gap between N and PE.

- Protection capability 125 kA 10/350 µs
- Conforms to VDN Directive, 2nd Edition 2004
- Including plug caps for identifying the connections
- Protection level < 1.3 kV
- Enclosed, non-extinguishing discharge gap: can be used in normal commercial distributor housings

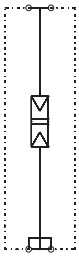
Application example: compact overvoltage protection concepts in a separate housing. Installation of arrestors of requirement Class B+C in a distributor without decoupling inductivity and/or line lengths, e.g. direct on mobile radio system.

Dimensions



Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 125-B NPE	255	NPE	1	46,500	**5096865**

Connection options



MCD 125-B NPE

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}	125
Total discharge current (10/350) kA	I_{total}	125
Nominal discharge current (8/20) kA	I_n	125
Arrestor surge current (8/20) [total] kA	$I_{Total\ 8/20}$	125
Voltage protection level kV	U_p	<1,3
Response time ns	t_A	<100
Follow current quenching capacity (eff) [N-PE] kA	I_{fi}	0,1
Maximum back-up fuse A		–
Temperature range °C	ϑ	-40-85
Division unit TE (17.5 mm)		2
Protection rating		IP20
Connection cross-section rigid mm²		10-50
Connection cross-section, multi-wire mm²		10-35
Connection cross-section, flexible mm²		10-25