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

Lightning current arrestor, 1-pole NPE

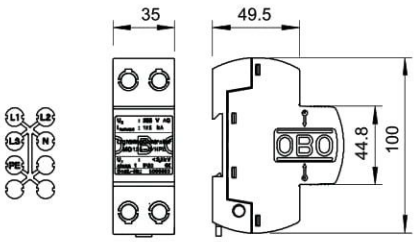
MC 125-B/NPE: For use in TN-S and TT systems as N-PE discharge gap, Type 1 (Class B) IEC 61643, for interface 0 to 1 (LPZ) according to lightning protection zone concept to IEC 61312-1 and/or DIN V VDE V 0185 Part 4 for use as discharge gap between N and PE.

- VDE test mark
- Conforms to VDN Directive, 2nd Edition 2004
- Protection capability 125 kA 10/350 µs
- Including plug caps for identifying the connections
- Protection level <2.5 kV
- Enclosed, non-extinguishing discharge gap: can be used in normal commercial distributor housings

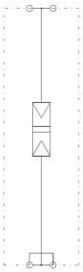
Application example: lightning arrestor in accordance with VDN Directive for pre-meter area.
Note: required as de-coupling length for overvoltage protection of 5 m of cable.

Type	Highest continuous voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MC 125-B NPE	255	NPE	1	52,000	**5096 86 3**

Dimensions



Connection options



MC 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→1
Impulse discharge current (10/350) kA	I_{imp}	50
Total discharge current (10/350) kA	I_{total}	125
Nominal discharge current (8/20) kA	I_n	50
Arrestor surge current (8/20) [total] kA	$I_{Total\ 8/20}$	125
Voltage protection level kV	U_p	< 2,5
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