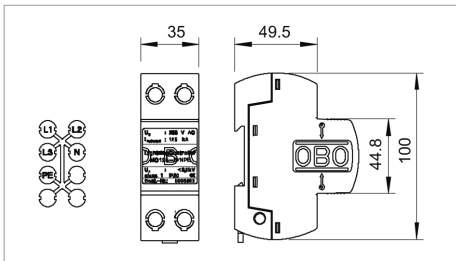


Technical data sheet

Lightning current arrester, 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 μ s
- Including plug caps for identifying the connections
- Protection level • Enclosed, non-extinguishing discharge gap: can be used in normal commercial distributor housings

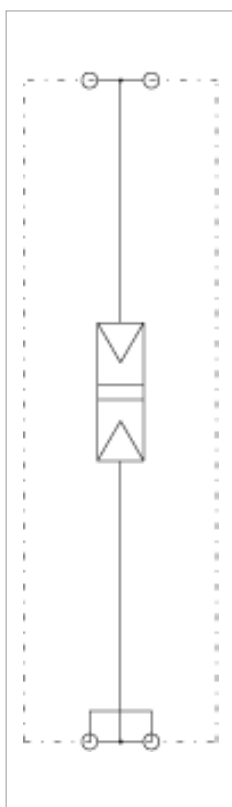
Application example: lightning arrester in accordance with VDN Directive for pre-meter area.

Note: required as de-coupling length for overvoltage protection of 5 m of cable.

Type	Max. continuous operating voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Art.-No.
MC 125-B NPE	255	NPE	1	52.000	5096863

G /pc.

Connection-/Circuit diagram



Article number			5096863
Nominal voltage	U_N	V	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)	I_{imp}	kA	50
Total discharge current (10/350)	$I_{Total\ 8/20}$	kA	125
Nominal discharge current (8/20)	I_n	kA	50
Arrestor surge current (8/20) [total]	$I_{Total\ 8/20}$	kA	125
Voltage protection level	U_p	kV	< 2,5
Response time	t_A	ns	< 100
Follow current interrupt rating	I_{fi}	kA	0.1
Temperature range	ϑ	°C	-40 - +85
Division unit TE (17.5 mm)			2
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

Legend



230/400 V system



Protection device to DIN EN 61643-11 or IEC 61643-11



Transition from LPZ 0 to LPZ 1



MAGYAR ELEKTROTECHNIKAI ELLENŐRZŐ INTÉZET Budapest, Hungary



Russia, GOST The State Committee for Standards



5-year warranty



Communautés Européennes, EC declaration of conformity according to EC directives