

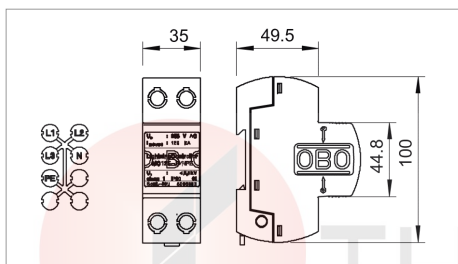
# Technical data sheet

## Combination arrester, 1-pole NPE



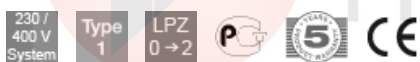
arrester for use in TN-S and TT systems.

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  $\mu$ s
- Conforms to VDN Directive, 2nd Edition 2004
- Including plug caps for identifying the connections
- Protection level • Enclosed, non-extinguishing discharge gap: can be used in normal commercial distributor housings

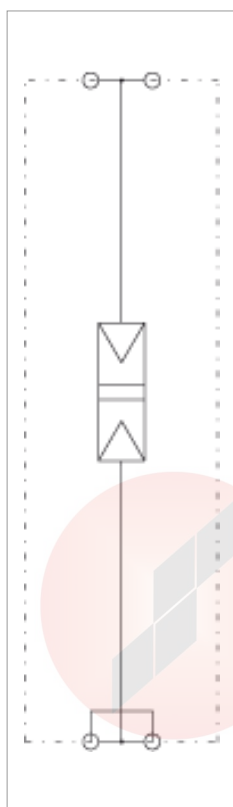
Application example: compact overvoltage protection concepts in a separate housing. Installation of arrestors of requirement Class B+C in a distributor without decoupling inductivity and/or line lengths, e.g. direct on mobile radio system.



Type	Max. continuous operating voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Art.-No.
MCD 125-B NPE	255	NPE	1	46.500	5096865

/pc.

## Connection-/Circuit diagram



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Article number			<b>5096865</b>
Nominal voltage	$U_N$	V	230
SPD to EN 61643-11			Type 1
SPD to IEC 61643-11			class I
Lightning protection Zone LPZ			0-2
Impulse discharge current (10/350)	$I_{imp}$	kA	125
Total discharge current (10/350)	$I_{Total\ 8/20}$	kA	125
Nominal discharge current (8/20)	$I_n$	kA	125
Arrestor surge current (8/20) [total]	$I_{Total\ 8/20}$	kA	125
Voltage protection level	$U_p$	kV	<1,3
Response time	$t_A$	ns	<100
Follow current interrupt rating	$I_{fi}$	kA	0.1
Temperature range	$\vartheta$	°C	-40 - +85
Division unit TE (17.5 mm)			2
Connection cross-section, rigid		mm <sup>2</sup>	10 - 50
Connection cross-section, multi-wire		mm <sup>2</sup>	10 - 35
Connection cross-section, flexible		mm <sup>2</sup>	10 - 25