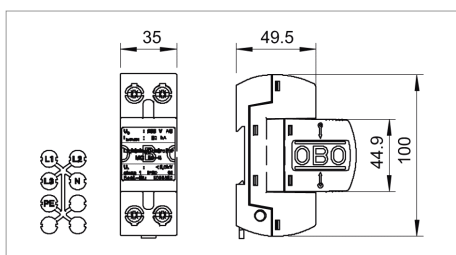


# Technical data sheet

## Combination arrester, 1-pole



Combination arrester, 1-pole, for use in TN-S and TT networks:

MCD 50-B: Type 1 (Class B) coordinated lightning current arrestors to DIN EN 61643-11. For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and/or DIN VDE 0185-305.

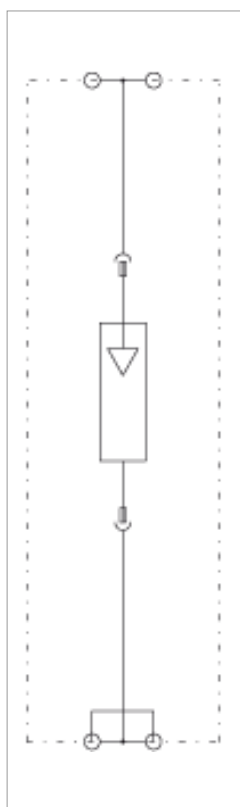
- Arresting capacity 50 kA (10/350  $\mu$ s) per pole
- Conforms to VDN Directive 2nd Edition 2004
- Protection level • Line follow current quenching 25 kA Ipeak
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap: Can be used in standard distributor housings.

Application example: Compact surge protection concepts in a separate housing. Installation of requirement class B+C arrestors in a distributor without decoupling inductances 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 50-B	255	1-pole	1	34.400	5096849

**G** /pc.

## Connection-/Circuit diagram



Article number			<b>5096849</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	50
Total discharge current (10/350)	$I_{Total\ 8/20}$	kA	50
Nominal discharge current (8/20)	$I_n$	kA	50
Arrestor surge current (8/20) [total]	$I_{Total\ 8/20}$	kA	50
Voltage protection level	$U_p$	kV	<1,3
Response time	$t_A$	ns	<100
Follow current interrupt rating	$I_{fi}$	kA	25
Maximum back-up fuse		A	500
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-/Circuit diagram

Connection cross-section, flexible

mm<sup>2</sup>

10 - 25

## Legend



230/400 V system



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



Transition from LPZ 0 to LPZ 2



Russia, GOST The State Committee for Standards



5-year warranty



Communautés Européennes, EC declaration of conformity according to EC directives