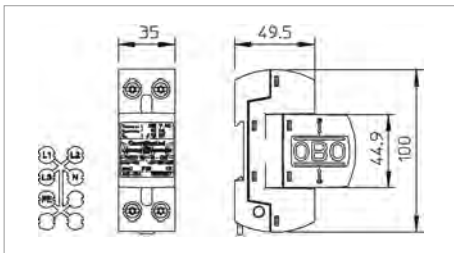


Technical data sheet Combination arrester, 1-pole with function display



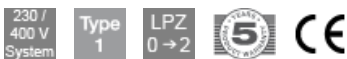
Combination arrester, 1-pole, for use in TN and TT networks:

MCD 50-B-OS: Coordinated lightning current arrester, Type 1 (Class B) to EN 61643-11 with visual function display. 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 μ s) per pole
- Power consumption • Protection level • Line follow current quenching 25 kA I_{peak}
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap
- Can be used in standard distributor housings.

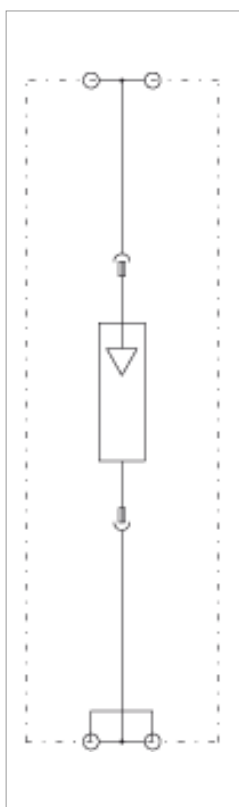
Application example: Compact surge protection concepts and installations of requirement class B+C arrestors in a distributor without decoupling inductances and/or line lengths, e.g. direct on mobile radio system.



Type	Max. continuous operating voltage V	Version	Pack. pcs	Weight kg/100 pcs.	Art.-No.
MCD 50-B-OS	255	1-pole	1	34.800	5096852

/pc.

Connection-/Circuit diagram



Article number			5096852
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
Arrester 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	?	°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-/Circuit diagram

Connection cross-section, flexible

mm²

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



5-year warranty



Communautés Européennes, EC declaration of conformity according to EC directives