

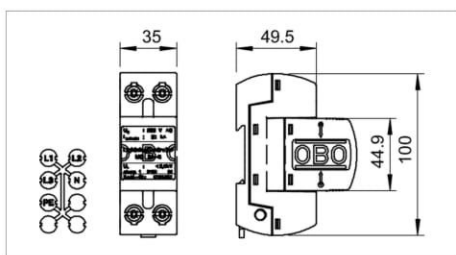
Technical data sheet Combination arrester, 1-pole



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 μ 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.



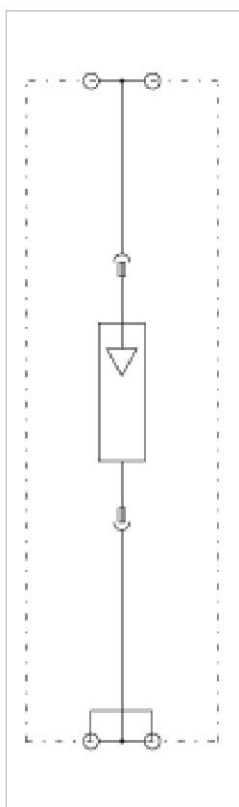
Application example: Compact surge protection concepts in a separate housing. Installation of requirement class B+C arrestors in a distributor without decoupling inductances and/or line lengths, e.g. direct on mobile radio system.



Type	Maximum continuous voltage V	Version	Pack Units	Weight kg/100 pc.	Art.-No.
MCD 50-B	255	1-pole	1	34.400	5096849

/pc.

Connection-/Circuit diagram



Article number			5096849
Nominal voltage	U_N	V	230
SPD to EN 61643-11			Type 1
SPD to IEC 61643-1			class I
LPZ			0~2
Lightning impulse current (10/350)	I_{imp}	kA	50
Lightning impulse current (10/350) [total]		kA	50
Nominal discharge surge current (8/20)	I_n	kA	50
Arrester surge current (8/20) [total]		kA	50
Voltage protection level	U_p	kV	<1,3
Response time	t_A	ns	<100
Follow current quenching capacity I_{peak}	$I_{fi peak}$	kA	25
Maximum back-up fuse		A	500
Temperature range	ϑ	°C	-40
Division unit TE (17.5 mm)			2
Protection rating			IP 20
Connection cross-section, rigid		mm ²	10
Connection cross-section, multi-wire		mm ²	10

Connection-/Circuit diagram

Connection cross-section, flexible

mm²

10

Legend



230/400 V-system



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



Transition from LPZ 0 to LPZ 2



Communautés Européennes, EC declaration of conformity according to EC directives



Russia, GOST The State Committee for Standards



5-year warranty