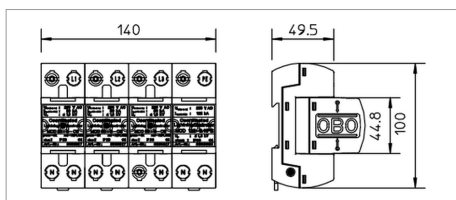


Technical data sheet

Combination arrestor, 3-pole + NPE with function display



Combination arrestor set, 4-pole, with visual function display, for use in TN-S and TT networks:

Completely pre-terminated and ready for connection, consisting of:
MCD 50-B-OS: Coordinated lightning current arrestor, Type 1 (Class B) to EN 61643-11. For interface 0 to 2 (LPZ) according to lightning protection zone concept to IEC 61312-1 and DIN VDE 0185-305.
MCD 125-B/NPE: Coordinated N-PE spark gap, Type 1 (Class B) to EN 61643-11 for use in TN-S and TT systems. For interface 0 to 1 in accordance with lightning protection zone concept to IEC 61312-1 and/or DIN VDE 0185-305.

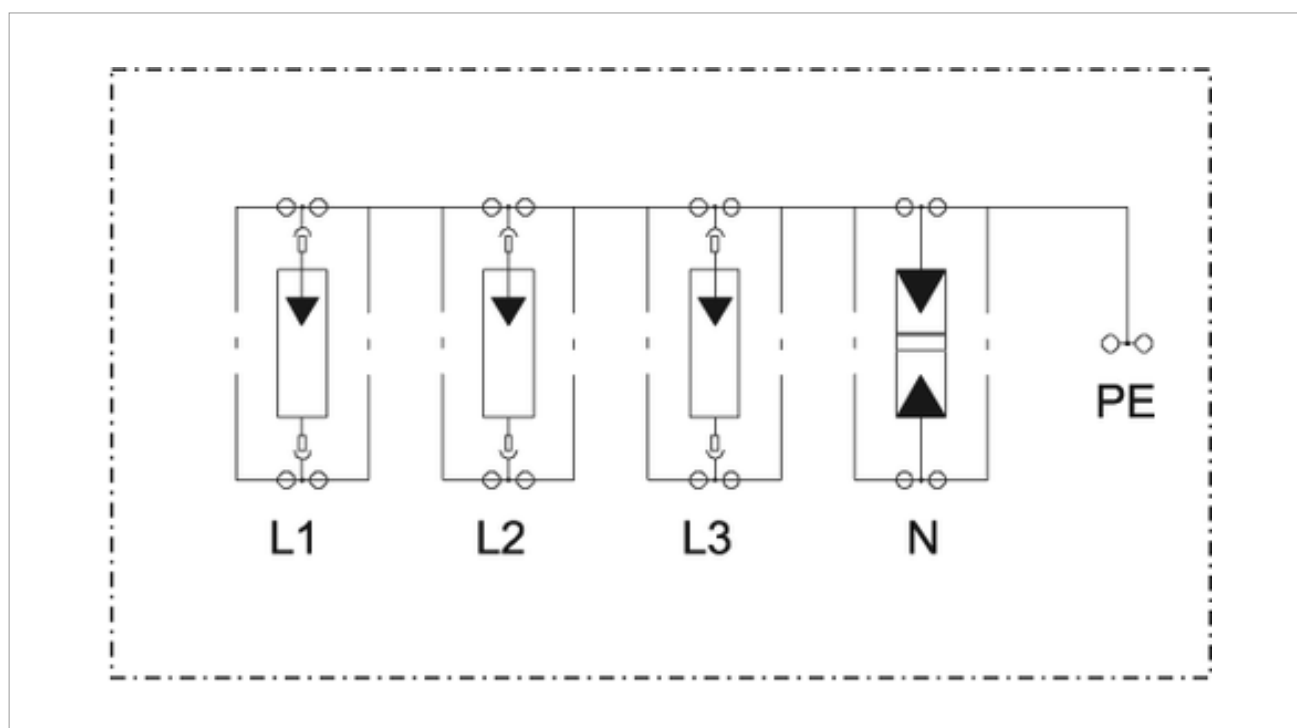
- Arresting capacity 50 kA 10/350 μ s per pole
- Power consumption • Protection level • Line follow current quenching 25 kA I_{peak}
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap
- Can be used in standard distributor housings.

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	Maximum continuous voltage V	Version	Pack Units	Weight kg/100 pc.	Art.-No.
MCD 50-B 3+1-OS	255	3 + NPE	1	172.000	5096836

/pc.

Connection-/Circuit diagram



Article number	5096836		
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]			125
Nominal discharge surge current (8/20)	I_n	kA	50
Arrester surge current (8/20) [total]			125
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			500
Temperature range	ϑ	°C	-40
Division unit TE (17.5 mm)	8		
Protection rating	IP 20		
Connection cross-section, rigid			10
Connection cross-section, multi-wire			10
Connection cross-section, flexible			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