

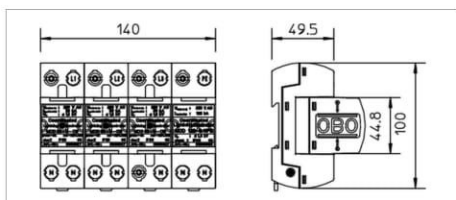
# Technical data sheet

## Combination arrester, 3-pole + NPE with function display



Combination arrester 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 arrester, 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  $\mu$ s per pole
- Power consumption • Protection level • Line follow current quenching 25 kA I<sub>peak</sub>
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap
- Can be used in standard distributor housings.

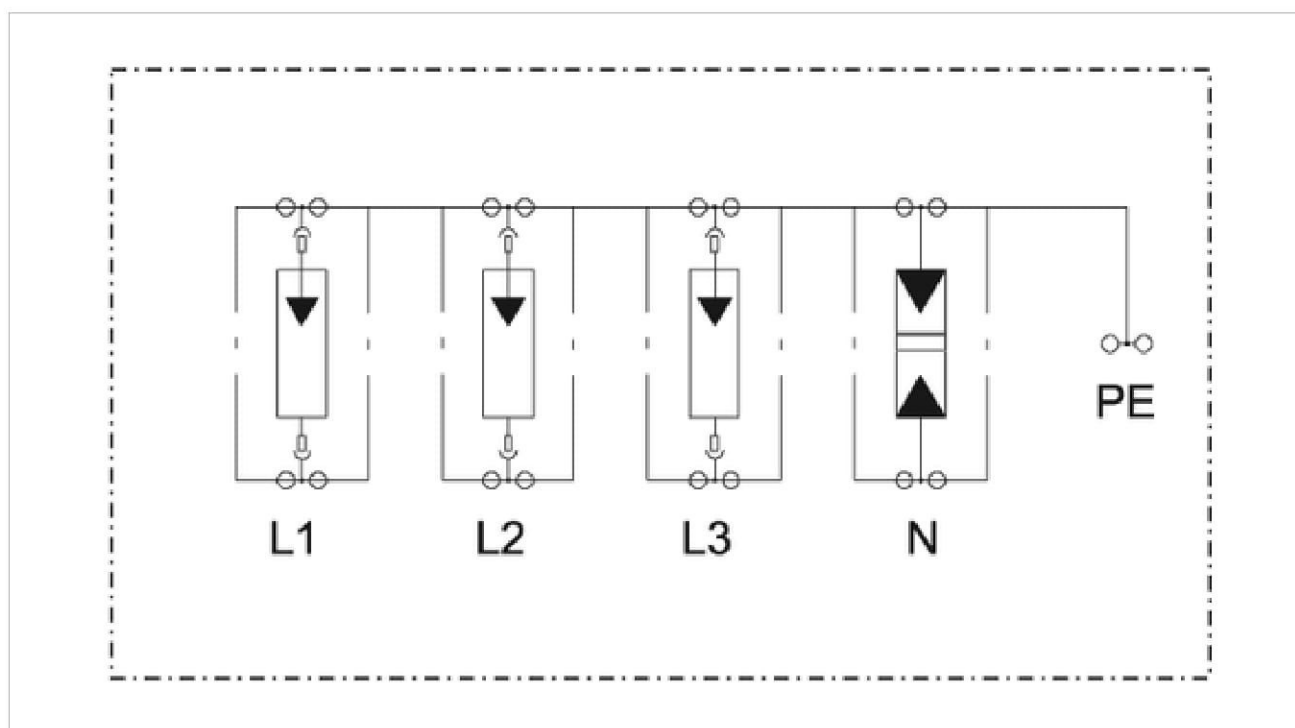


Application example: Compact surge protection concepts and installations of requirement class B+C arrestors in a distributor without decoupling inductances and/or line lengths, e.g. direct on mobile radio system.

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]		kA	125
Nominal discharge surge current (8/20)	$I_n$	kA	50
Arrester surge current (8/20) [total]		kA	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		A	500
Temperature range	$\vartheta$	°C	-40
Division unit TE (17.5 mm)			8
Protection rating			IP 20
Connection cross-section, rigid		mm <sup>2</sup>	10
Connection cross-section, multi-wire		mm <sup>2</sup>	10
Connection cross-section, flexible		mm <sup>2</sup>	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