

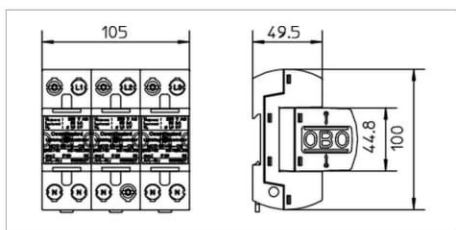
# Technical data sheet

## Combination arrester, 3-pole with function display



Combination arrester set, 3-pole, with visual function display, for use in TN-C networks:

Completely pre-terminated and ready for connection, consisting of: MCD 50-B-OS: 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
- Power consumption • 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

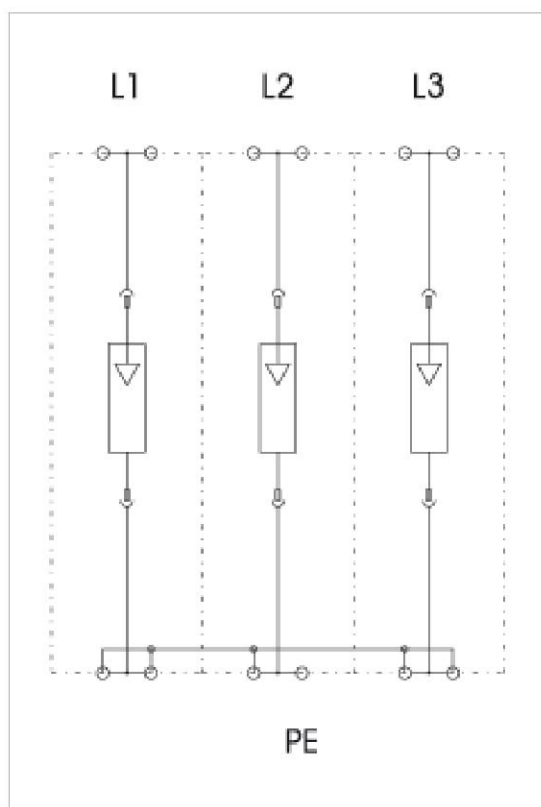
Application example: Compact surge protection concepts and installations of arrestors of requirements Class B+C in a distributor without decoupling inductances or cable lengths, e.g. directly on the mobile radio transmission system technology.



Type	Maximum continuous voltage V	Version	Pack Units	Weight kg/100 pc.	Art.-No.
MCD 50-B 3-OS	255	3-pole	1	118.000	5096835

/pc.

## Connection-/Circuit diagram



Article number			<b>5096835</b>
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	150
Nominal discharge surge current (8/20)	$I_n$	kA	50
Arrester surge current (8/20) [total]		kA	150
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)			6
Protection rating			IP 20
Connection cross-section, rigid		mm <sup>2</sup>	10
Connection cross-section, multi-wire		mm <sup>2</sup>	10

## Connection-/Circuit diagram

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