

## Combination arrestor, 3-pole with function display

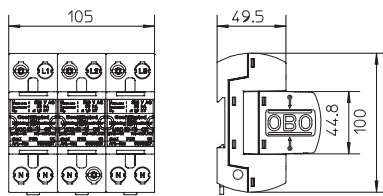


Combination arrestor set, 3-pole, with visual function display, for use in TN-C networks:

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 < 26 mW/pole
- Protection level < 1.3 kV
- 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

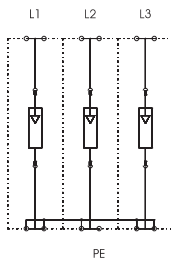
### Dimensions



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	Highest Version	Pack.	Weight	Item No.
	contin-	pcs	kg/100 pcs.	
	uous			
	voltage			
	V			
MCD 50-B 3-OS	255   3-pole	1	118,000	5096835

### Connection options



### MCD 50-B 3-OS

Nominal voltage V	U <sub>N</sub>	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) kA	I <sub>imp</sub>	50
Total discharge current (10/350) kA	I <sub>total</sub>	150
Nominal discharge current (8/20) kA	I <sub>n</sub>	50
Arrestor surge current (8/20) [total] kA	I <sub>total 8/20</sub>	150
Voltage protection level kV	U <sub>p</sub>	1
Response time ns	t <sub>A</sub>	<100
Follow current quenching capacity (eff) [N-PE] kA	I <sub>in</sub>	25
Maximum back-up fuse A		500
Temperature range °C	θ	-40-85
Division unit TE (17.5 mm)		6
Protection rating		IP20
Connection cross-section rigid mm <sup>2</sup>		10-50
Connection cross-section, multi-wire mm <sup>2</sup>		10-35
Connection cross-section, flexible mm <sup>2</sup>		10-25