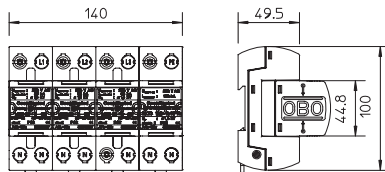


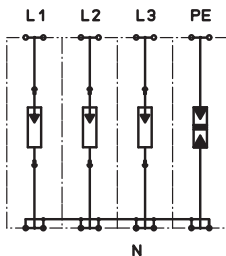
## Combination arrester, 3-pole + NPE with function display



### Dimensions



### Connection options



Combination arrester, 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: Type 1 (Class B) coordinated lightning current arrester to DIN EN 61643-11.

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. Interface 0 to 1 according to lightning protection zone concept according to IEC 61312-1 and DIN VDE 0185-305.

- Arresting capacity 50 kA (10/350  $\mu$ s) per pole (L-N)
- Arresting capacity 125 kA (10/350  $\mu$ s) per pole (N-PE)
- 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.

Application: Lightning protection equipotential bonding for buildings, even with external lightning protection of classes I to IV in standard distribution housings.

Type	Highest Version	Pack. pcs	Weight kg/100 pcs.	Item No.
MCD 50-B 3+1-OS	255   3 + NPE	1	172,000	5096836

### MCD 50-B 3+1-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>	125
Nominal discharge current (8/20) kA	I <sub>n</sub>	50
Arrester surge current (8/20) [total] kA	I <sub>total 8/20</sub>	125
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)		8
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