

### Combination arrester, 1-pole with function display

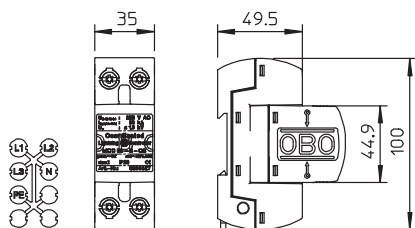


Combination arrester, 1-pole, for use in TN and TT networks:

MCD 50-B-OS: Coordinated lightning current arrester, Type 1 (Class B) to EN 61643-11 with visual function display. 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  $I_{peak}$
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap
- Can be used in standard distributor housings.

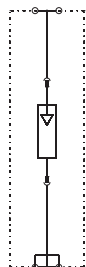
#### Dimensions



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

| Type        | Highest Version continuous voltage V | Pack. pcs | Weight kg/100 pcs. | Item No. |
|-------------|--------------------------------------|-----------|--------------------|----------|
| MCD 50-B-OS | 255   1-pole                         | 1         | 34,800             | 5096852  |

#### Connection options



#### MCD 50-B-OS

|                                                      |                  |         |
|------------------------------------------------------|------------------|---------|
| Nominal voltage V                                    | $U_N$            | 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                | $I_{imp}$        | 50      |
| Total discharge current (10/350) kA                  | $I_{total}$      | 50      |
| Nominal discharge current (8/20) kA                  | $I_n$            | 50      |
| Arrester surge current (8/20) [total] kA             | $I_{total 8/20}$ | 50      |
| Voltage protection level kV                          | $U_p$            | 1       |
| Response time ns                                     | $t_A$            | <100    |
| Follow current quenching capacity (eff) [N-PE] kA    | $I_{fi}$         | 25      |
| Maximum back-up fuse A                               |                  | 500     |
| Temperature range °C                                 | $\vartheta$      | -40-85  |
| Division unit TE (17.5 mm)                           |                  | 2       |
| 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   |