

### Combination arrester, 1-pole NPE



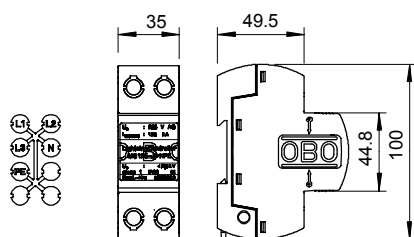
arrester for use in TN-S and TT systems.

MCD 125-B/NPE: as coordinated N-PE discharge gap, Type 1 (Class B) IEC 61643. For interface 0 to 1 (LPZ) according to lightning protection zone concept to IEC 61312-1 and/or DIN VDE 0185-305 for use as discharge gap between N and PE.

- Protection capability 125 kA 10/350  $\mu$ s
- Conforms to VDN Directive, 2nd Edition 2004
- Including plug caps for identifying the connections
- Protection level < 1.3 kV
- Enclosed, non-extinguishing discharge gap: can be used in normal commercial distributor housings

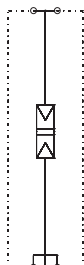
Application example: compact overvoltage protection concepts in a separate housing. Installation of arrestors of requirement Class B+C in a distributor without decoupling inductivity and/or line lengths, e.g. direct on mobile radio system.

#### Dimensions



| Type          | Highest Version continuous voltage V | Pack. pcs | Weight kg/100 pcs. | Item No. |
|---------------|--------------------------------------|-----------|--------------------|----------|
| MCD 125-B NPE | 255   NPE                            | 1         | 46,500             | 5096865  |

#### Connection options



#### MCD 125-B NPE

|                                                      |                  |         |
|------------------------------------------------------|------------------|---------|
| 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                | $I_{imp}$        | 125     |
| Total discharge current (10/350) kA                  | $I_{total}$      | 125     |
| Nominal discharge current (8/20) kA                  | $I_n$            | 125     |
| Arrestor surge current (8/20) [total] kA             | $I_{total 8/20}$ | 125     |
| Voltage protection level kV                          | $U_p$            | <1,3    |
| Response time ns                                     | $t_A$            | <100    |
| Follow current quenching capacity (eff) [N-PE] kA    | $I_{fi}$         | 0,1     |
| Maximum back-up fuse A                               |                  | —       |
| 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   |