

### Combination arrester, 1-pole NPE



Combination arrester, lightning current arrester, type 1+2, N-PE, for use in TN-S and TT networks.

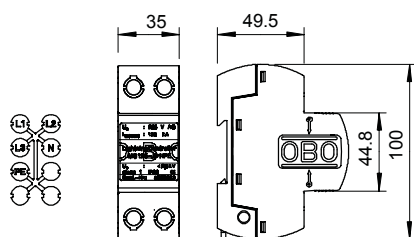
MCD 125-B/NPE: Coordinated N-PE spark gap, type 1+2 to EN 61643-11. For interface 0 to 2 (LPZ) in accordance with lightning protection zone concept to IEC 61312-1 and/or VDE 0185-305.

- Arresting capacity 125 kA (10/350  $\mu$ s)
- Conforms to VDN Directive 2nd Edition 2004
- Incl. plug caps for identifying the connections
- Protection level < 1.5 kV, allows device protection
- Encapsulated, non-extinguishing spark gap

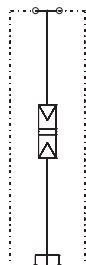
Application: Industrial systems and buildings with external lightning protection of Classes I to IV.

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

#### Dimensions



#### Connection options



#### MCD 125-B NPE

|                                                      |                  |            |
|------------------------------------------------------|------------------|------------|
| Nominal voltage V                                    | $U_N$            | 230        |
| SPD to EN 61643-11                                   |                  | —          |
| SPD to IEC 61643-11                                  |                  | Type 1+2   |
| Lightning protection zone LPZ                        |                  | Class I+II |
| Impulse discharge current (10/350) kA                | $I_{imp}$        | 0→2        |
| Total discharge current (10/350) kA                  | $I_{total}$      | 125        |
| Nominal discharge current (8/20) kA                  | $I_n$            | 125        |
| Arrester surge current (8/20) [total] kA             | $I_{total 8/20}$ | 125        |
| Protection level (N-PE) kV                           |                  | < 1.5      |
| Response time ns                                     | $t_A$            | < 100      |
| Follow current quenching capacity (eff) [N-PE] kA    | $I_f$            | 0.1        |
| Temperature range °C                                 | $\theta$         | -40+85     |
| Division unit TE (17.5 mm)                           |                  | 2          |
| Protection rating                                    |                  | IP20       |
| Approvals                                            |                  | VDE        |
| 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      |