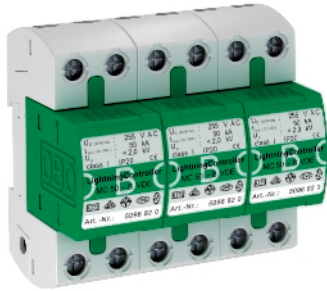


## Lightning current arrester, 3-pole

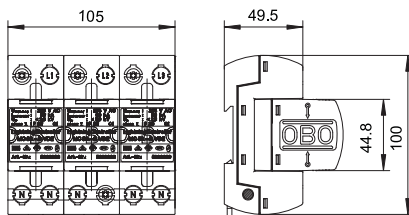


LightningController set, 3-pole, for use in TN-C networks:

Completely pre-terminated and ready for connection, consisting of:  
MC 50-B VDE: Type 1 (Class B) lightning current arrester in accordance with DIN EN 61643-11 for interface 0 to 1 (LPZ) to and/or in accordance with lightning protection concept to IEC 61312-1 and/or DIN V VDE V 0185-305 (IEC 62305)

- VDE test marks
- Conforms to VDN Directive 2nd Edition 2004
- Cover and base, plug-in cover
- Arresting capacity 50 kA (10/350  $\mu$ s) per pole
- Voltage protection level < 2,0 kV
- Line following 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



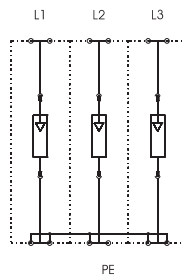
Application example: Industrial plants; lightning current arrester in accordance with VDN Directive 2nd Edition 2004 for pre-meter area.

Note: Required as decoupling length for surge voltage protection of 5 m of cable.

| Type                 | Highest Version | Pack. pcs | Weight kg/100 pcs. | Item No. |
|----------------------|-----------------|-----------|--------------------|----------|
| continuous voltage V |                 |           |                    |          |

|                  |     |        |   |         |                |
|------------------|-----|--------|---|---------|----------------|
| <b>MC 50-B 3</b> | 255 | 3-pole | 1 | 117,000 | <b>5096876</b> |
|------------------|-----|--------|---|---------|----------------|

### Connection options



#### MC 50-B 3

|  |                         |         |
|--|-------------------------|---------|
| 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→1     |
| 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      |
| Arrester surge current (8/20) [total] kA             | I <sub>total 8/20</sub> | 150     |
| Voltage protection level kV                          | U <sub>p</sub>          | < 2,0   |
| 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   |