

Technical data sheet

Protection set MCD + V20 3-pole

Item number: 5089755



- Protection set, lightning and surge arrester combination, type 1+2
- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
  - Lightning current arresting capacity to 50 kA (10/350) per pole
  - Arrester, connectable, incl. connecting bridges, labelled connection terminals
  - Encapsulated, non-extinguishing arrester for use in distributor housings
- Application: Mobile telecommunications systems and industrial systems with special requirements.



| Master data                        |                         |
|------------------------------------|-------------------------|
| Item number                        | 5089755                 |
| Type                               | PS3-B+C-320             |
| Description 1                      | Protection set          |
| Description 2                      | 3-pole version          |
| Manufacturer                       | OBO                     |
| Dimension                          | 320V                    |
| Smallest sales unit                | 1                       |
| Unit of quantity                   | Piece                   |
| Weight                             | 160 kg                  |
| Weight unit                        | kg/100 pc.              |
| CO2 Footprint (GWP) Cradle-to-Gate | 3,4023 kg COe / 1 Piece |

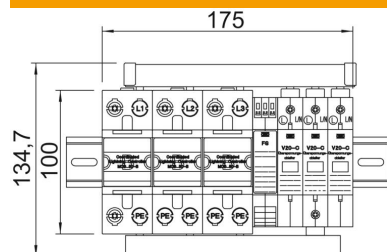
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### Dimensions



### Technical data

|                                                                     |                    |
|---------------------------------------------------------------------|--------------------|
| Arrester surge current (8/20 µs) [total]                            | 100 kA             |
| Response time                                                       | <25 ns             |
| Version for                                                         | 3-pole; 320 V      |
| Pole version                                                        | 3                  |
| Structural width in division units (division unit, 17.5 mm)         | 10th               |
| Operating temperature, max.                                         | 85 °C              |
| Operating temperature, min.                                         | -40 °C             |
| Lightning surge current (10/350 µs)                                 | 50 kA              |
| Lightning surge current (10/350)                                    | 100 kA             |
| Follow current quenching capacity (eff) [N-PE]                      | 25 kA              |
| Follow current quenching capacity I <sub>eff</sub>                  | 12.5               |
| Maximum continuous voltage (L-N)                                    | 255 V              |
| Maximum continuous voltage (N-PE)                                   | 255 V              |
| Maximum continuous voltage AC                                       | 320 V              |
| Short-circuit resistance                                            | 25 kA              |
| Short-circuit resistance for max. mains-side overcurrent protection | 25 kA              |
| Conductor cross-section, rigid (single-wire/multiwire), max.        | 50 mm <sup>2</sup> |
| Conductor cross-section, rigid (single-wire/multiwire), min.        | 10 mm <sup>2</sup> |
| Lightning protection zone LPZ                                       | 0→2                |
| Max. mains-side overcurrent protection                              | 125                |
| Maximum back-up fuse                                                | 125 A              |
| Maximum discharge current (8/20 µs)                                 | 100 kA             |
| Nominal discharge current (8/20 µs)                                 | 100 kA             |
| Nominal voltage AC (50/60 Hz)                                       | 230 V              |
| Protection rating                                                   | IP20               |
| Protection level                                                    | ≤1,7               |
| Protection level [L-N]                                              | ≤1,7               |
| Signalling on device                                                | Visual             |
| SPD to EN 61643-11                                                  | Type 1+2           |
| SPD to IEC 61643-1                                                  | Class I+II         |

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Permitted temperature range,  
max.

85 °C

Permitted temperature range,  
min.

-40 °C