

Technical data sheet

CombiController V65 B+C 3+NPE 280 V

Item number: 5093751



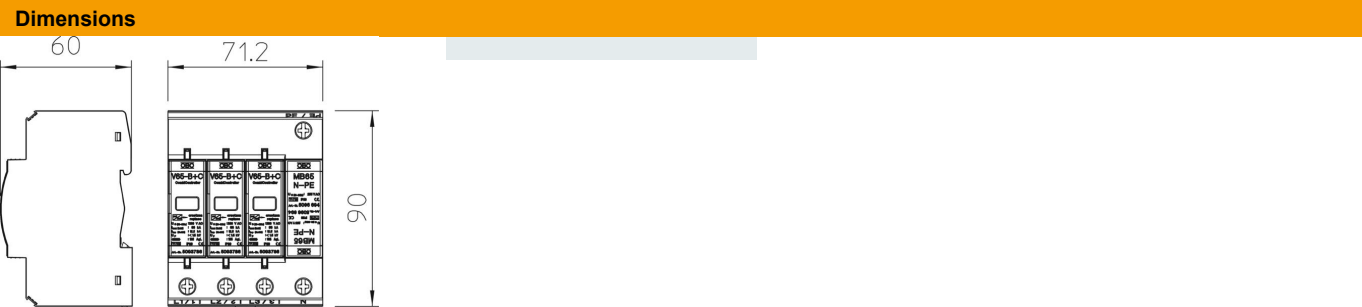
- Combination arrester, lightning and surge arrester type 1+2
- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
  - Lightning current arresting capacity 12.5 kA (10/350) per pole and 65 kA (8/20) in total
  - Universally suitable for TN and TT systems
  - Complete unit, consisting of upper part and base, pre-mounted and ready for connection
  - Plug-in arrester with dynamic cut-off unit
  - With visual function display
  - Encapsulated, non-extinguishing zinc oxide varistor arrester for use in distributor housings
  - Labelled connections

Application: Lightning protection equipotential bonding in buildings, even those with external lightning protection of Class III and IV, and in standard distributor housings.

\* Complete = Upper part and base



| Master data                        |                        |
|------------------------------------|------------------------|
| Item number                        | 5093751                |
| Type                               | V65-B+C 3+NPE          |
| Description 1                      | CombiController V65    |
| Description 2                      | 3-pole + NPE           |
| Manufacturer                       | OBO                    |
| Dimension                          | 280V                   |
| Smallest sales unit                | 1                      |
| Unit of quantity                   | Piece                  |
| Weight                             | 52 kg                  |
| Weight unit                        | kg/100 pc.             |
| CO2 Footprint (GWP) Cradle-to-Gate | 1,239 kg COe / 1 Piece |



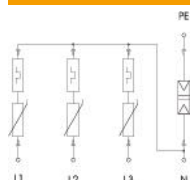
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## Technical data



|                                                                 |                     |
|-----------------------------------------------------------------|---------------------|
| Response time                                                   | <25 ns              |
| Blow-out                                                        | no                  |
| Pole version                                                    | 3+N/PE              |
| Structural width in division units<br>(division unit, 17.5 mm)  | 4                   |
| Operating temperature, max.                                     | 80 °C               |
| Operating temperature, min.                                     | -40 °C              |
| Lightning surge current (10/350<br>µs)                          | 12.5 kA             |
| Lightning surge current (10/350<br>µs) [N/PE]                   | 50 kA               |
| Lightning surge current (10/350<br>µs)                          | 50 kA               |
| Maximum continuous voltage (N-<br>PE)                           | 255 V               |
| Maximum continuous voltage AC                                   | 280 V               |
| Conductor cross-section, rigid<br>(single-wire/multiwire), max. | 35 mm <sup>2</sup>  |
| Conductor cross-section, rigid<br>(single-wire/multiwire), min. | 2.5 mm <sup>2</sup> |
| Lightning protection zone LPZ                                   | 0→2                 |
| Max. mains-side overcurrent pro-<br>tection                     | 125                 |
| Maximum back-up fuse                                            | 125 A               |
| Maximum discharge current (8/20<br>µs)                          | 65 kA               |
| Maximum discharge current (8/20<br>µs) [L-N]                    | 65 kA               |
| Maximum discharge current (8/20<br>µs) [N-PE]                   | 65 kA               |
| Nominal discharge current (8/20<br>µs)                          | 20 kA               |
| Nominal discharge current (8/20<br>µs) [L-N]                    | 20 kA               |
| Nominal discharge current (8/20<br>µs) [N-PE]                   | 30 kA               |
| TN network form                                                 | yes                 |
| TN-C-S network form                                             | yes                 |
| TN-S network form                                               | yes                 |
| TT network form                                                 | yes                 |
| Protection rating                                               | IP20                |
| Protection level                                                | ≤1,5                |
| Protection level [L-N]                                          | ≤1,5                |
| Protection level [N-PE]                                         | 1.5 kV              |
| SPD to EN 61643-11                                              | Type 1+2            |
| SPD to IEC 61643-1                                              | Class I+II          |