

# Technical data sheet

## Twin Combi Controller V50 B+C 3

Item number: 5093600



Combination arrester, lightning arrester, type 1+2

- Voltage protection level < 1.3 kV allows device protection
- For lightning protection equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current arresting capacity 20 kA (10/350) per phase and up to 60 kA (10/350) in total
- Arresting current 50 kA (8/20)
- Arrester backup fuse up to 125 A gL/gG

Application: Buildings with external lightning protection.

\* Complete = Upper part and base



PA Polyamide

### Master data

|                                    |                          |
|------------------------------------|--------------------------|
| Item number                        | 5093600                  |
| Type                               | V50-B+C 3 TCC            |
| Description 1                      | TwinCombiController      |
| Description 2                      | 3-pole version           |
| Manufacturer                       | OBO                      |
| Dimension                          | 280V                     |
| Colour                             | Orange                   |
| Material                           | Polyamide                |
| Smallest sales unit                | 1                        |
| Unit of quantity                   | Piece                    |
| Weight                             | 81.6 kg                  |
| Weight unit                        | kg/100 pc.               |
| CO2 Footprint (GWP) Cradle-to-Gate | 2,8469 kg CO2e / 1 Piece |

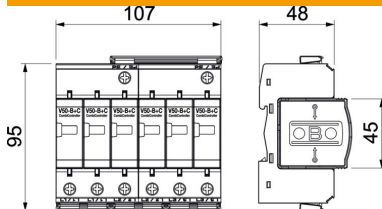
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### Dimensions



### Technical data

|  |                     |
|--|---------------------|
| Arrester surge current (8/20 $\mu$ s) [total]                | 80 kA               |
| Response time  | <25 ns              |
| Pole version   | Other               |
| Structural width in division units (division unit, 17.5 mm)  | 6                   |
| Operating temperature, max.                                  | 80 °C               |
| Operating temperature, min.                                  | -40 °C              |
| Lightning surge current (10/350 $\mu$ s)                     | 20 kA               |
| Lightning surge current (10/350)                             | 50 kA               |
| Maximum continuous voltage (L-N)                             | 280 V               |
| Maximum continuous voltage AC                                | 280 V               |
| Conductor cross-section, rigid (single-wire/multiwire), max. | 35 mm <sup>2</sup>  |
| Conductor cross-section, rigid (single-wire/multiwire), min. | 2.5 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 $\mu$ s)                     | 80 kA               |
| Maximum discharge current (8/20 $\mu$ s) [L-N]               | 80 kA               |
| Nominal discharge current (8/20 $\mu$ s)                     | 50 kA               |
| Nominal discharge current (8/20 $\mu$ s) [L-N]               | 50 kA               |
| Nominal voltage AC (50/60 Hz)                                | 230 V               |
| Network form   | TN-C                |
| TN network form  | yes                 |
| TN-C network form  | yes                 |
| Protection rating  | IP20                |
| Protection level   | $\leq 1,3$ kV       |
| SPD to EN 61643-11   | Type 1+2            |
| SPD to IEC 61643-1   | Class I+II          |
| Permitted temperature range, max.                            | 80 °C               |
| Permitted temperature range, min.                            | -40 °C              |