

# Technical data sheet

## Combination arrester V25, 4-pole 280 V with remote signalling

Item number: 5094493



Combination arrester, lightning and surge arrester type 1+2

- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- Suitable for TN networks
- With remote signalling and potential-free NO contact for function monitoring
- Voltage protection level < 0.9 kV
- Plug-in arrester with dynamic cut-off unit
- Visual function display
- Encapsulated, non-extinguishing zinc oxide varistor arrester for use in standard distributor housings
- Labelled connections
- FS variant with remote signalling contact (potential-free NO contact)

Application example: Buildings with open-wire power supply or for setting up lightning protection equipotential bonding in residential buildings.

\* Complete = Top and bottom section

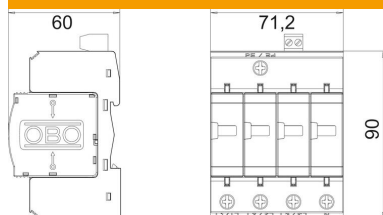
With alarm system (potential-free change-over contact FS)



### Master data

|                                    |                               |
|------------------------------------|-------------------------------|
| Item number                        | 5094493                       |
| Type                               | V25-B+C 4-FS280               |
| Description 1                      | CombiController V25           |
| Description 2                      | 4-pole with remote signalling |
| Manufacturer                       | OBO                           |
| Dimension                          | 280V                          |
| Smallest sales unit                | 1                             |
| Unit of quantity                   | Piece                         |
| Weight                             | 53.2 kg                       |
| Weight unit                        | kg/100 pc.                    |
| CO2 Footprint (GWP) Cradle-to-Gate | 1.85 kg CO2e / 1 Piece        |

### Dimensions



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|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| Arrester surge current (8/20 µs) [total]                     | 120 kA              |
| Response time                                                | <25 ns              |
| Blow-out                                                     | no                  |
| Version for                                                  | 4-pole with FS      |
| Pole version                                                 | 4                   |
| Structural width in division units (division unit, 17.5 mm)  | 4                   |
| Operating temperature, max.                                  | 80 °C               |
| Operating temperature, min.                                  | -40 °C              |
| Lightning surge current (10/350 µs)                          | 7 kA                |
| Lightning surge current (10/350)                             | 25 kA               |
| Remote signalling                                            | yes                 |
| Follow current quenching capacity I <sub>eff</sub>           | 25 kA               |
| Maximum continuous voltage AC                                | 280 V               |
| Maximum continuous voltage DC                                | 200 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                       | 160                 |
| Maximum back-up fuse                                         | 160 A               |
| Maximum discharge current (8/20 µs)                          | 50 kA               |
| Nominal discharge current (8/20 µs)                          | 30 kA               |
| Nominal discharge current (8/20 µs) [L-N]                    | 30 kA               |
| Nominal discharge current (8/20 µs) [N-PE]                   | 30 kA               |
| Nominal voltage AC (50/60 Hz)                                | 230 V               |
| Network form                                                 | Other               |
| TN network form                                              | yes                 |
| TN-C network form                                            | yes                 |
| TN-C-S network form                                          | yes                 |
| TN-S network form                                            | yes                 |
| Pole number                                                  | 4                   |
| ROHS-conformant                                              | Exempt              |
| Protection rating                                            | IP20                |
| Protection level                                             | ≤0,9 kV             |
| Signalling on device                                         | Visual              |
| SPD to EN 61643-11                                           | Type 1+2            |
| SPD to IEC 61643-11                                          | Class I+II          |
| Permitted temperature range, max.                            | 80 °C               |
| Permitted temperature range, min.                            | -40 °C              |