

# Technical data sheet

## Combination arrester V25, 1-pole 280 V

Item number: 5094418



Combination arrester, lightning and surge arrester type 1+2

- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- For TN systems
- Plug-in arrester with dynamic cut-off unit
- With visual function display
- Protection level decoded:705:Value:RAM1; kV
- Encapsulated, non-extinguishing zinc oxide varistor arrester for use in standard distributor housings
- Labelled connections

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

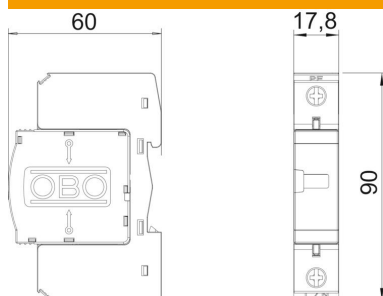
\* Complete = cover and base



### Master data

|                                    |                          |
|------------------------------------|--------------------------|
| Item number                        | 5094418                  |
| Type                               | V25-B+C 1-280            |
| Description 1                      | CombiController V25      |
| Description 2                      | single pole version      |
| Manufacturer                       | OBO                      |
| Dimension                          | 280V                     |
| Smallest sales unit                | 1                        |
| Unit of quantity                   | Piece                    |
| Weight                             | 15.3 kg                  |
| Weight unit                        | kg/100 pc.               |
| CO2 Footprint (GWP) Cradle-to-Gate | 0,4896 kg CO2e / 1 Piece |

### Dimensions



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|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| Arrester surge current (8/20 µs) [total]                     | 30 kA               |
| Response time                                                | <25 ns              |
| Blow-out                                                     | no                  |
| Version for                                                  | 1-pole              |
| Pole version                                                 | 1                   |
| Structural width in division units (division unit, 17.5 mm)  | 1                   |
| Operating temperature, max.                                  | 80 °C               |
| Operating temperature, min.                                  | -40 °C              |
| Lightning surge current (10/350 µs)                          | 7 kA                |
| Lightning surge current (10/350 µs) [N/PE]                   | 25 kA               |
| Lightning surge current (10/350)                             | 7 kA                |
| Remote signalling                                            | no                  |
| Follow current quenching capacity I <sub>eff</sub>           | 25                  |
| 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                                                 | TN                  |
| Other network form                                           | yes                 |
| TN network form                                              | yes                 |
| TN-C network form                                            | yes                 |
| TN-C-S network form                                          | yes                 |
| TN-S network form                                            | yes                 |
| TT network form                                              | yes                 |
| Pole number                                                  | 1                   |
| Test class, type 2                                           | yes                 |
| Protection rating                                            | IP20                |
| Protection level                                             | ≤0,9                |
| Signalling on device                                         | Visual              |
| 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              |