

# Technical data sheet

## Combination arrester V25, 3-pole + NPE 280 V with remote signalling

Item number: 5094510



Combination arrester, lightning and surge arrester type 1+2

- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- Universally suitable for TN and TT systems
- With remote signalling and potential-free NO contact for function monitoring
- Plug-in arrester with dynamic cut-off unit
- Visual function display
- Voltage protection level < 0.9 kV
- 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 = Plug-in arrester and base



| Master data                       |                            |  |
|-----------------------------------|----------------------------|--|
| Item number                       | 5094510                    |  |
| Description 1                     | CombiController V25        |  |
| Description 2                     | 3+1 with remote signalling |  |
| Manufacturer                      | OBO                        |  |
| Dimension                         | 280V                       |  |
| Smallest sales unit               | 1                          |  |
| Unit of quantity                  | Piece                      |  |
| Weight                            | 52.5 kg                    |  |
| Weight unit                       | kg/100 pc.                 |  |
| CO Footprint (GWP) Cradle-to-Gate | 1,396 kg COe / 1 Piece     |  |

| Dimensions |  |  |
|------------|--|--|
|            |  |  |

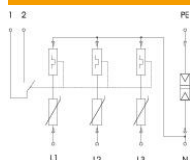
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|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| Arrester surge current (8/20 µs) [total]                     | 50 kA               |
| Response time                                                | <25 ns              |
| Blow-out                                                     | no                  |
| Version for                                                  | 3+NPE with FS       |
| Pole version                                                 | 3+N/PE              |
| Structural width in division units (division unit, 17.5 mm)  | 3                   |
| 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 µs)                          | 25 kA               |
| Remote signalling                                            | yes                 |
| 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)                          | 150 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-S network form                                          | yes                 |
| TN-S network form                                            | yes                 |
| TT network form                                              | yes                 |
| Pole number                                                  | 3                   |
| Protection rating                                            | IP20                |
| Protection level                                             | ≤0,9                |
| Signalling on device                                         | None                |
| SPD to EN 61643-11                                           | Type 1+2            |
| SPD to IEC 61643-1                                           | Class I+II          |