

# Technical data sheet

## Surge arrester, 2-pole with remote signalling 280 V

Item number: 5094632



### Surge arrester, type 2

- Complete unit consisting of cover and base, pre-mounted and ready for connection
- Suitable for TN network systems
- Plug-in upper part; upper part can be separated from base without tools
- With remote signalling and potential-free NO contact for function monitoring
- Incl. thermal and dynamic cut-off unit
- With visual display of defects
- High current conductivity and long service life
- Labelled connections

Application example: Residential buildings, single-family homes and industrial  
\* Complete = cover and base



### Master data

|                     |                               |
|---------------------|-------------------------------|
| Item number         | 5094632                       |
| Type                | V20-C 2+FS-280                |
| Description 1       | SurgeController V20           |
| Description 2       | 2-pole with remote signalling |
| Manufacturer        | OBO                           |
| Dimension           | 280V                          |
| Smallest sales unit | 1                             |
| Unit of quantity    | Piece                         |
| Weight              | 22.5 kg                       |
| Weight unit         | kg/100 pc.                    |

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|  |                     |
|--|---------------------|
| Arrester surge current (8/20 µs) [total]                     | 40 kA               |
| Response time  | <25 ns              |
| Blow-out   | no                  |
| Version for  | 2-pole + FS         |
| Pole version   | 2                   |
| Structural width in division units (division unit, 17.5 mm)  | 2                   |
| Operating temperature, max.                                  | 80 °C               |
| Operating temperature, min.                                  | -40 °C              |
| Remote signalling  | yes                 |
| Maximum continuous voltage AC                                | 280                 |
| Integrated back-up fuse                                      | no                  |
| Conductor cross-section, flexible (fine-wire), min.          | 25 mm <sup>2</sup>  |
| 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                                | 1→2                 |
| Max. mains-side overcurrent protection                       | 125                 |
| Maximum back-up fuse   | 125 A               |
| Maximum discharge current (8/20 µs)                          | 40 kA               |
| Installation type  | DIN rail 35 mm      |
| Nominal discharge current (8/20 µs)                          | 20 kA               |
| Nominal discharge current (8/20 µs) [L-N]                    | 20 kA               |
| Nominal voltage AC (50/60 Hz)                                | 230 V               |
| Network form   | TN                  |
| Test class, type 2   | yes                 |
| Protection rating  | IP20                |
| Protection level   | ≤1,3                |
| Signalling on device   | Visual              |
| SPD to EN 61643-11   | Type 2              |
| SPD to IEC 61643-1   | Class II            |