

# Technical data sheet

## Surge arrester, 3-pole with remote signalling 280 V

Item number: 5094731



### 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

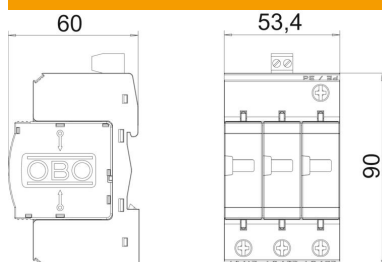
Application example: Residential buildings, single-family homes and industrial  
 \* Complete = cover and base



### Master data

|                                    |                               |
|------------------------------------|-------------------------------|
| Item number                        | 5094731                       |
| Type                               | V20-C 3+FS-280                |
| Description 1                      | SurgeController V20           |
| Description 2                      | 3-pole with remote signalling |
| Manufacturer                       | OBO                           |
| Dimension                          | 280V                          |
| Smallest sales unit                | 1                             |
| Unit of quantity                   | Piece                         |
| Weight                             | 33.7 kg                       |
| Weight unit                        | kg/100 pc.                    |
| CO2 Footprint (GWP) Cradle-to-Gate | 1,3062 kg CO2e / 1 Piece      |

### Dimensions



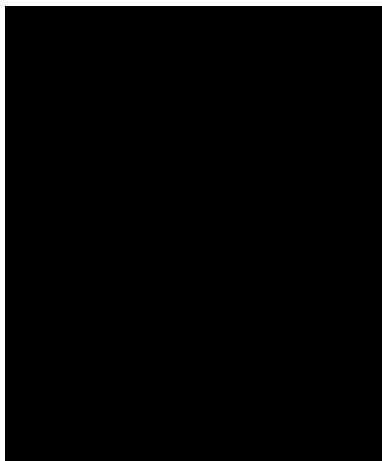
# Technical data sheet

## Surge arrester, 3-pole with remote signalling 280 V

Item number: 5094731



### Technical data

|   |  |                     |
|---|--|---------------------|
|  | Arrester surge current (8/20 µs) [total]                     | 60 kA               |
|   | Response time  | <25 ns              |
|   | Blow-out   | no                  |
|   | Version for  | 3-pole + FS         |
|   | Pole version   | 3                   |
|   | Structural width in division units (division unit, 17.5 mm)  | 3                   |
|   | Operating temperature, max.                                  | 80 °C               |
|   | Operating temperature, min.                                  | -40 °C              |
|   | Remote signalling  | yes                 |
|   | Maximum continuous voltage AC                                | 280 V               |
|   | Integrated back-up fuse                                      | no                  |
|   | 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 kV  |                     |
| Signalling on device  | Visual   |                     |
| SPD to EN 61643-11  | Type 2   |                     |
| SPD to IEC 61643-1  | Class II   |                     |
| Permitted temperature range, max.   | 80 °C  |                     |
| Permitted temperature range, min.   | -40 °C   |                     |