

# Technical data sheet

## Surge arrester, 3-pole + NPE with remote signalling 150 V

Item number: 5094764



### Surge arrester, type 2

- Complete unit consisting of upper part and base, pre-mounted and ready for connection
- Suitable for TN and TT network systems
- Plug-in cover; cover 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

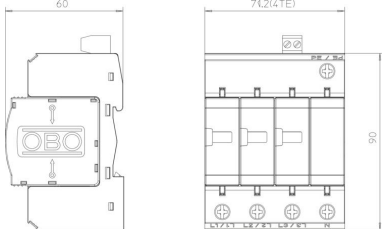
Application example: Residential buildings, single-family homes and industrial  
\* Complete = cover and base



### Master data

|                                    |                            |
|------------------------------------|----------------------------|
| Item number                        | 5094764                    |
| Type                               | V 20-C 3+NPE+FS            |
| Description 1                      | SurgeController V20        |
| Description 2                      | 3+1 with remote signalling |
| Manufacturer                       | OBO                        |
| Dimension                          | 150V                       |
| Smallest sales unit                | 1                          |
| Unit of quantity                   | Piece                      |
| Weight                             | 41.3 kg                    |
| Weight unit                        | kg/100 pc.                 |
| CO2 Footprint (GWP) Cradle-to-Gate | 1,8915 kg CO2e / 1 Piece   |

### Dimensions



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|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| Arrester surge current (8/20 µs) [total]                     | 80 kA               |
| Response time                                                | <25 ns              |
| Blow-out                                                     | no                  |
| Version for                                                  | 3+NPE + FS          |
| Pole version                                                 | 3+N/PE              |
| Structural width in division units (division unit, 17.5 mm)  | 4                   |
| Operating temperature, max.                                  | 80 °C               |
| Operating temperature, min.                                  | -40 °C              |
| Remote signalling                                            | yes                 |
| Maximum continuous voltage AC                                | 150 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 voltage AC (50/60 Hz)                                | 130 V               |
| Network form                                                 | Other               |
| Test class, type 2                                           | yes                 |
| Protection rating                                            | IP20                |
| Protection level                                             | ≤0,8                |
| 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              |