

# Technical data sheet

## Surge arrester V10 Compact with remote signalling 255 V

Item number: 5093382



Surge protective device, compact module, type 2+3

- Surge protection in sub-distributors to VDE 0100-443 (IEC 60364-4-44)
- Arresting capacity up to 60 kA (8/20) in total
- Integrated 3+1 solution for TN and TT network systems on 45 mm module width
- High-performance varistor technology
- Including thermic and dynamic cut-off unit and visual function display
- ...-FS version with potential-free changeover contact for remote signalling

Application: Sub/storey distribution as well as device protection in rotational current systems.



### Master data

|                                    |                        |
|------------------------------------|------------------------|
| Item number                        | 5093382                |
| Type                               | V10 COMPACT-FS         |
| Description 1                      | V10 Compact            |
| Description 2                      | with remote signalling |
| Manufacturer                       | OBO                    |
| Dimension                          | 255V                   |
| Smallest sales unit                | 1                      |
| Unit of quantity                   | Piece                  |
| Weight                             | 17.3 kg                |
| Weight unit                        | kg/100 pc.             |
| CO2 Footprint (GWP) Cradle-to-Gate | 1,06 kg CO2e / 1 Piece |

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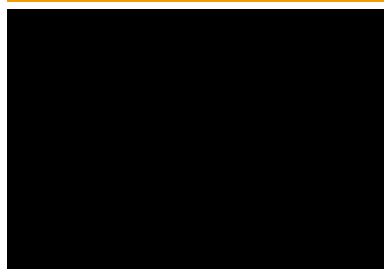
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### Dimensions



### Technical data



|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| Arrester surge current (8/20 µs) [total]                     | 60 kA               |
| Response time                                                | <25 ns              |
| Version for                                                  | 3+NPE               |
| Pole version                                                 | 3+N/PE              |
| Structural width in division units (division unit, 17.5 mm)  | Miscellaneous       |
| Operating temperature, max.                                  | 80 °C               |
| Operating temperature, min.                                  | -40 °C              |
| Remote signalling                                            | yes                 |
| FM contacts                                                  | Changeover          |
| Follow current quenching capacity (eff) [N-PE]               | 10 kA               |
| Maximum continuous voltage AC                                | 255 V               |
| Integrated back-up fuse                                      | no                  |
| Conductor cross-section, flexible (fine-wire), max.          | 10 mm <sup>2</sup>  |
| Conductor cross-section, flexible (fine-wire), min.          | 2.5 mm <sup>2</sup> |
| Conductor cross-section, rigid (single-wire/multiwire), max. | 10 mm <sup>2</sup>  |
| Conductor cross-section, rigid (single-wire/multiwire), min. | 2.5 mm <sup>2</sup> |
| Lightning protection zone LPZ                                | 1→3                 |
| Max. mains-side overcurrent protection                       | 63 A gL/gG          |
| Maximum back-up fuse                                         | 63 A                |
| Maximum discharge current (8/20 µs)                          | 20 kA               |
| Maximum discharge current (8/20 µs) [N-PE]                   | 60 kA               |
| Installation type                                            | DIN rail 35 mm      |
| Nominal discharge current (8/20 µs)                          | 10 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                 |

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|                                   |              |
|-----------------------------------|--------------|
| TT network form                   | yes          |
| Test class, type 2                | yes          |
| Test class, type 3                | yes          |
| Protection rating                 | IP20         |
| Protection level [L-N]            | ≤1,1         |
| Protection level [N-PE]           | 1.2 kV       |
| Signalling on device              | Visual       |
| SPD to EN 61643-11                | Type 2+3     |
| SPD to IEC 61643-1                | Class II+III |
| Permitted temperature range, max. | 80 °C        |
| Permitted temperature range, min. | -40 °C       |