

# Technical data sheet

## MCR protection for 2-pole for power supply, 24 V

Item number: 5097607



Surge protective device/fine protection type 3 to EN 61643-11

- Suitable for DC and AC voltage systems
- With visual function display
- With installation-friendly, screwless connection terminals
- In a space-saving 17.5 mm grid
- Y circuit

Application: Universal use on 35 mm DIN profile rail in every normal commercial-ly available distributor housing.



| Master data                        |                          |  |
|------------------------------------|--------------------------|--|
| Item number                        | 5097607                  |  |
| Type                               | VF24-AC/DC               |  |
| Description 1                      | Lightning barrier        |  |
| Description 2                      | for AC and DC            |  |
| Manufacturer                       | OBO                      |  |
| Dimension                          | 24V AC                   |  |
| Smallest sales unit                | 1                        |  |
| Unit of quantity                   | Piece                    |  |
| Weight                             | 8 kg                     |  |
| Weight unit                        | kg/100 pc.               |  |
| CO2 Footprint (GWP) Cradle-to-Gate | 0,4051 kg CO2e / 1 Piece |  |

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

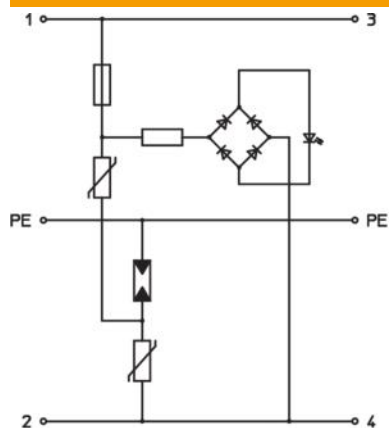
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|                                                                 |                      |
|-----------------------------------------------------------------|----------------------|
| Response time                                                   | <25 ns               |
| Blow-out                                                        | no                   |
| Version for                                                     | 24 V version         |
| Pole version                                                    | 2                    |
| Structural width in division units<br>(division unit, 17.5 mm)  | 1                    |
| Operating temperature, max.                                     | 80 °C                |
| Operating temperature, min.                                     | -40 °C               |
| Explosion-tested version                                        | no                   |
| Remote signalling                                               | no                   |
| Maximum continuous voltage AC                                   | 34 V                 |
| Maximum continuous voltage DC                                   | 46 V                 |
| Conductor cross-section, flexible<br>(fine-wire), min.          | 2.5 mm <sup>2</sup>  |
| Conductor cross-section, rigid<br>(single-wire/multiwire), max. | 2.5 mm <sup>2</sup>  |
| Conductor cross-section, rigid<br>(single-wire/multiwire), min. | 0.14 mm <sup>2</sup> |
| Lightning protection zone LPZ                                   | 2→3                  |
| Max. mains-side overcurrent protection                          | 20                   |
| Maximum back-up fuse                                            | 20 A                 |
| Maximum discharge current (8/20<br>µs)                          | 2 kA                 |
| Installation type                                               | DIN rail 35 mm       |
| Nominal discharge current (8/20<br>µs)                          | 0.7 kA               |
| Nominal voltage AC (50/60 Hz)                                   | 24 V                 |
| Network form                                                    | Other                |
| OBO_Nominal load current (input/<br>output terminal)            | 20 A                 |
| Pole number                                                     | 3                    |
| Test class, type 3                                              | yes                  |
| Protection rating                                               | IP20                 |
| Protection level                                                | ≤0,13                |
| Protection level wire-wire                                      | <130 V               |
| Protection level wire-earth                                     | <1200 V              |
| Signalling on device                                            | Visual               |
| SPD to EN 61643-11                                              | Type 3               |
| SPD to IEC 61643-1                                              | Class III            |