

# Technical data sheet

## Lightning barrier FLD

Item number: 5098940



The type VF FLD 60T S lightning barrier is a surge arrester/fine power protection type 3 to DIN EN 61643-11 for protecting end devices from transient surge voltages.

The protection devices are used for mounting on DIN profile rails near to devices to be protected and are designed for DC and AC systems.



### Master data

|                                    |                             |
|------------------------------------|-----------------------------|
| Item number                        | 5098940                     |
| Type                               | FLD 60T S                   |
| Description 1                      | Lightning barrier           |
| Description 2                      | with decoupling inductivity |
| Manufacturer                       | OBO                         |
| Dimension                          | 230V                        |
| Smallest sales unit                | 1                           |
| Unit of quantity                   | Piece                       |
| Weight                             | 4.4 kg                      |
| Weight unit                        | kg/100 pc.                  |
| CO2 Footprint (GWP) Cradle-to-Gate | 0,1438 kg CO2e / 1 Piece    |

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|   |                      |
|---|----------------------|
| Response time   | <1 ns                |
| 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                                   | 160 V                |
| Maximum continuous voltage DC                                   | 230 V                |
| Inductivity   | 100 µH               |
| 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                  |
| Installation type   | DIN rail 35 mm       |
| Nominal discharge current (8/20<br>µs)                          | 10 kA                |
| Nominal voltage AC (50/60 Hz)                                   | 60 V                 |
| Network form  | Other                |
| OBO_Nominal load current (input/<br>output terminal)            | 0.47 A               |
| Protection rating   | IP20                 |
| Protection level wire-wire                                      | <300 V               |
| Protection level wire-earth                                     | <500 V               |
| Signalling on device  | Without              |
| Permitted temperature range,<br>max.                            | 80 °C                |
| Permitted temperature range,<br>min.                            | -40 °C               |