

Technical data sheet

Series protection device, 3-pole, 5 V version

Item number: 5098407



Lightning barrier with test function; 5 V version

- Nominal load current 0.58 A
- Protection device for multi-wire systems
- Direct shield earthing and screwless connection terminals
- Space-saving width of just 8.7 mm
- Protection circuit testable with Life Control
- High frequency range of 0–100 MHz
- UL-listed (4DG1)

Application: Universal use on 35 mm DIN profile rail in any standard distribution housing.



Master data

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|---------------------|---------------------------|
| Item number | 5098407 |
| Type | MDP-3 D-5-T |
| Description 1 | Lightning barrier |
| Description 2 | 3-pole with test function |
| Manufacturer | OBO |
| Dimension | 5V |
| Smallest sales unit | 1 |
| Unit of quantity | Piece |
| Weight | 6 kg |
| Weight unit | kg/100 pc. |

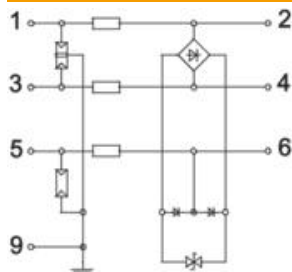
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|--|-------------------------------|
| Arrestor monitoring | no |
| Connection cross-section, flexible, max. | 2.5 mm ² |
| Connection cross-section, flexible, min. | 0.14 mm ² |
| Connection cross-section, multi-wire, max. | 1.5 mm ² |
| Connection cross-section, multi-wire, min. | 0.14 mm ² |
| Connection cross-section, rigid, max. | 2.5 mm ² |
| Connection cross-section, rigid, min. | 0.14 mm ² |
| Number of poles | 3 |
| Insertion loss | ≤3 dB |
| Earthing via: | DIN rail |
| Explosion-tested version | no |
| Telecommunications contact | no |
| Total discharge current (10/350) | D1: 1,5 |
| Total discharge current (8/20) | 7.5 kA |
| Cut-off frequency | 100 MHz |
| Maximum continuous voltage AC | 7 |
| Maximum continuous voltage DC | 10 |
| Insulation resistance | >10 MΩ |
| Capacity (wire-wire) | < 40 pF |
| Kategorie | Type 1+2+3 / D1+C2+C1 |
| Lightning protection zone LPZ | 0→3 |
| Mounting type | DIN rail 35 mm |
| Nominal load current AC | 0.4 |
| Nominal load current DC | 0.58 A |
| Nominal voltage | 5 V |
| Testing standard | IEC 61643-21 |
| Shielding connection available | yes |
| Screening | Direct |
| Protection rating | IP20 |
| Protection level @ C1 | <50 V |
| Protection level wire-wire | <35 V |
| Protection level wire-earth | <800 V |
| Series resistance per wire | 2,35 Ω ± 5 % |
| Signalling on device | Readable |
| SPD to IEC 61643-21 | Class I+II+III / D1+C2+C1 |
| Plug-in system | Terminal |
| Impulse durability wire-wire | C1: 0,5 kV / 0,25 kA (8/20μs) |
| Impulse durability wire-earth | C2: 5 kV / 2,5 kA (8/20μs) |
| Permitted temperature range, max. | 80 °C |
| Permitted temperature range, min. | -40 °C |
| Approvals | UL |