# Technical data sheet
# Surge protective device for data and information technology

## Series protection device, 2-pole, 5 V version

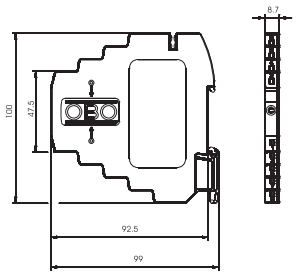
MDP... D-5-T: Lightning barrier with test function; 5 V version

- 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)

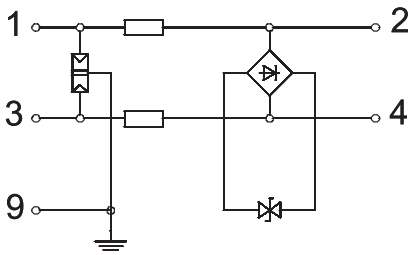
Application: Universal use on 35 mm DIN profile rail in any standard distribution housing.

| Type | Highest continuous voltage AC V | Highest continuous voltage DC V | Number of poles | Connection system | Pack. pcs | Weight kg/100 pcs. | Item No. |
|---|---|---|---|---|---|---|---|
| **MDP-2 D-5-T** | 7 | 10 | 2 | Terminal | 1 | 6,000 | **5098404** |

### Dimensions




### Connection options




**MDP-2 D-5-T**

| | | |
|---|---|---|
| Maximum continuous voltage AC V | $U_C$ | 7 |
| Maximum continuous voltage DC V | $U_C$ | 10 |
| Category | | Type 1+2+3 / D1+C2+C1 |
| Lightning protection zone LPZ | | 0→3 |
| Number of poles | | 2 |
| Rated current A | $I_L$ | 0,58 |
| Series resistance per wire | | 2,35 Ω ± 5 % |
| 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) |
| Total discharge current (8/20) kA | | 5 |
| Total discharge current (10/350) kA | | D1: 1 |
| Protection level wire-wire V | | <35 |
| Protection level wire-earth V | | <800 |
| Frequency range | | 0 - 100 MHz |
| Temperature range °C | ϑ | -40-+80 |
| Installation type | | DIN rail 35 mm |
| Connection system | | Terminal |
| Protection rating | | IP20 |
| Shielding connection available | | Yes |
| Shield connection | | Direct |
| Connection cross-section, flexible mm² | | 0,14-2,5 |
| Connection cross-section, multi-wire mm² | | 0,14-1,5 |
| Connection cross-section rigid mm² | | 0,14-2,5 |
| Earthing via: | | DIN rail |
| Testing standard | | IEC 61643-21 |
| Approvals | | UL |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