

Series protection device, 4-pole, 48 V version, Ex-tested



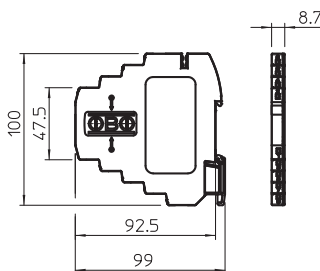
MDP-4 D...-EX : Lightning barrier for intrinsically safe measuring circuits

- Protection device for multi-wire systems
- Direct shield earthing and screwless connection terminals
- Space-saving width of just 8.7 mm
- High frequency range of 0-100 MHz
- ATEX-tested: II 2(1)G Ex ia [ia Ga] IIC T4 Gb (BVS 11 ATEX E 131 X)
- UL-listed (4UM2)

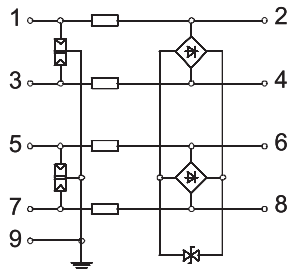
Application: Universal use on 35 mm hat profile rail in any standard distribution housing.

| Type | Highest continuous voltage AC V | Highest continuous voltage DC V | Number of poles | Pack. pcs | Weight kg/100 pcs. | Item No. |
|---------------|---------------------------------|---------------------------------|-----------------|-----------|--------------------|----------|
| MDP-4 D-48-EX | 41 | 58 | 4 | 1 | 5,800 | 5098452 |

Dimensions



Connection options



MDP-4 D-48-EX

| | | |
|--|----------------|----------------------------------|
| Maximum continuous voltage AC V | U _c | 41 |
| Maximum continuous voltage DC V | U _c | 58 |
| Category | | Type 1+2+3 / D1+C2+C1 |
| Lightning protection zone LPZ | | 0→3 |
| Number of poles | | 4 |
| Rated current A | I _n | 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 | | 10 |
| Total discharge current (10/350) kA | | D1: 2 |
| Protection level wire-wire V | | < 95 |
| Protection level wire-earth V | | < 800 |
| Frequency range | | 0-100 MHz |
| Temperature range °C | θ | -40-80 |
| Installation type | | DIN rail |
| Connection system | | Terminal |
| Protection rating | | IP20 |
| Shielding connection available | | Yes |
| Shield connection | | Direct |
| Connection cross-section, flexible mm ² | | 0,14-2,5 |
| Connection cross-section, multi-wire mm ² | | 0,14-1,5 |
| Connection cross-section rigid mm ² | | 0,14-2,5 |
| Earthing via: | | DIN rail |
| EX approval | | II 2(1)G Ex ia [ia Ga] IIC T4 Gb |
| Testing standard | | IEC 61643-21 |