

# Technical data sheet

## Connectable data cable protection, 2-pole, indirect earthing

Item no. 5080311



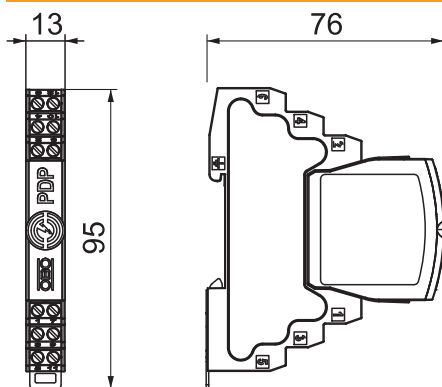
Connectable data cable protection, type 1+2/D1+C2 for use in measurement and control technology

- Protection device for multi-wire systems
- Indirect shield earthing
- Frequency range up to 100 MHz
- Earthing via DIN rail or connection cable
- Small installation width of 12.5 mm
- High system availability - no signal interruption without protection module

Application: Universal lightning and surge protection for MCR data transmission devices.



### Dimensions



### Master data

|                          |                                |
|--------------------------|--------------------------------|
| Item no.                 | 5080311                        |
| Type                     | PDP-2-12-I                     |
| Description 1            | Pluggable data line protection |
| Description 2            | 2 pole indirect earth          |
| Dimension                | 12V                            |
| Smallest sales unit (VG) | 1,00 Piece                     |
| Weight                   | 6,60 kg/100 pc.                |

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|                                         |                             |
|-----------------------------------------|-----------------------------|
| SPD to EN 61643-11                      | Type 1+2                    |
| SPD to IEC 61643-11                     | Class I+II                  |
| Category                                | Type 1+2 / D1+C2            |
| SPD to IEC 61643-21                     | Class I+II / D1+C2          |
| Connection cross-section, flexible      | 0,14 - 1,50 mm <sup>2</sup> |
| Connection cross-section, multi-wire    | 0,14 - 2,50 mm <sup>2</sup> |
| Connection cross-section, rigid         | 0,14 - 2,50 mm <sup>2</sup> |
| Version                                 | 2-pole                      |
| Number of poles                         | 2,00                        |
| Insertion loss                          | ≤3 dB                       |
| Earthing via:                           | Connection cable / DIN rail |
| Total discharge current (8/20)          | 20 kA                       |
| Total discharge current (10/350)        | 2,5 kA                      |
| Frequency range                         | 0,00 - 100,00 MHz           |
| Cut-off frequency                       | 100,00 MHz                  |
| Maximum continuous voltage AC           | 12,00 V                     |
| Maximum continuous voltage DC           | 16,00 V                     |
| Impulse discharge current (10/350)      | 2,50 kA                     |
| Nominal discharge current (8/20 µs)     | 10,00 kA                    |
| Capacity (wire-wire)                    | ≤30 pF                      |
| Capacity (wire-earth)                   | ≤30 pF                      |
| Series resistance                       | 1,2 ± 5% ohm                |
| Lightning protection zone LPZ           | 0→2                         |
| Total impulse durability into C2 (8/20) | 20,00 kA                    |
| Nominal load current AC                 | 0,43 A                      |
| Nominal load current DC                 | 0,60 A                      |
| Mounting of input / output              | Screw terminals             |
| Installation type                       | DIN rail 35 mm              |
| Testing standard                        | IEC 61643-21                |
| Shielding connection available          | Yes                         |
| Shield connection                       | Indirect                    |
| Protection rating                       | IP20                        |
| Protection level wire-wire              | 130 V                       |
| Protection level wire-earth             | 1600 V                      |
| Protection level, shield-earth (S-PE)   | 1.300,00 V                  |
| Series resistance per wire              | 1,2 Ω ± 5%                  |
| Signalling on device                    | None                        |
| Connection system                       | Terminal                    |
| Impulse durability wire-wire            | 10 kV / 5 kA                |
| Impulse durability wire-earth           | 10 kV / 5 kA                |
| Temperature range                       | -40+80 °C                   |