

# Technical data sheet

Connectable data cable protection, 2-pole, indirect earthing, with visual signalling, 5 V  
Item number: 5080349



Plug-in data cable protection type 1+2/D1=C2 for the use in measurement, control and regulation technology

- Protective device for multi-wire systems
  - Indirect shield earthing
  - Frequency range to 100 MHz
  - Earthing possible via the DIN rail or the connection cable
  - Narrow structural width of 17.5 mm
  - High level of system availability – no signal disruption without protection module
- With visual signalling and the option of remote signalling via the voltage supply PDP-PS
- Integrated bus connector included

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



| Master data                        |                                |  |
|------------------------------------|--------------------------------|--|
| Item number                        | 5080349                        |  |
| Type                               | PDP-2-5-I-OS                   |  |
| Description 1                      | Pluggable data line protection |  |
| Description 2                      | 2 pole indirect earth          |  |
| Manufacturer                       | OBO                            |  |
| Dimension                          | 5V                             |  |
| Smallest sales unit                | 1                              |  |
| Unit of quantity                   | Piece                          |  |
| Weight                             | 8.2 kg                         |  |
| Weight unit                        | kg/100 pc.                     |  |
| CO2 Footprint (GWP) Cradle-to-Gate | 0,811 kg CO2e / 1 Piece        |  |

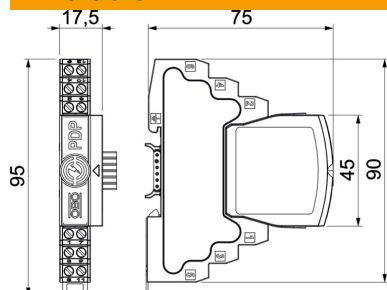
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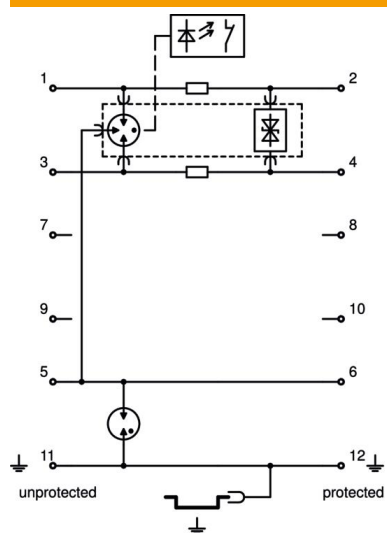


## Dimensions



|        |         |
|--------|---------|
| Length | 75 mm   |
| Width  | 17.5 mm |
| Height | 95 mm   |

## Technical data



|                                            |                             |
|--------------------------------------------|-----------------------------|
| Connection cross-section, flexible, max.   | 1.5 mm <sup>2</sup>         |
| Connection cross-section, flexible, min.   | 0.14 mm <sup>2</sup>        |
| Connection cross-section, multi-wire, max. | 2.5 mm <sup>2</sup>         |
| Connection cross-section, multi-wire, min. | 0.14 mm <sup>2</sup>        |
| Connection cross-section, rigid, max.      | 2.5 mm <sup>2</sup>         |
| Connection cross-section, rigid, min.      | 0.14 mm <sup>2</sup>        |
| Number of poles                            | 4                           |
| Version for                                | 2x2-pole                    |
| Insertion loss                             | ≤3 dB                       |
| Earthing via:                              | Connection cable / DIN rail |
| Total discharge current (10/350)           | 2.5 kA                      |
| Total discharge current (8/20)             | 20 kA                       |
| Cut-off frequency                          | 100 MHz                     |
| Maximum continuous voltage AC              | 4.2 V                       |
| Maximum continuous voltage DC              | 6 V                         |
| Lightning impulse current                  | 2.5 kA                      |
| Capacity (wire-wire)                       | ≤30 pF                      |
| Capacity (wire-earth)                      | ≤30 pF                      |
| Kategorie                                  | Type 1+2 / D1+C2            |
| Lightning protection zone LPZ              | 0→2                         |
| Lengthwise resistance                      | 1.2 ± 5%                    |
| Mounting of input / output                 | Screw terminals             |
| Mounting type                              | DIN rail 35 mm              |
| Nominal discharge current (8/20 μs)        | 10 kA                       |
| Nominal load current AC                    | 0.425 A                     |
| Nominal load current DC                    | 0.6 A                       |
| Total impulse durability into C2 (8/20)    | 20 kA                       |
| Testing standard                           | IEC 61643-21                |
| Shielding connection available             | yes                         |
| Screening                                  | Indirect                    |
| Protection rating                          | IP20                        |
| Protection level wire-wire                 | 100 V                       |
| Protection level wire-earth                | 1600 V                      |

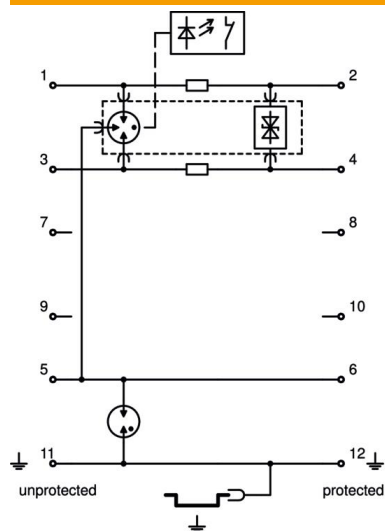
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Protection level, shield-earth (S-PE)

1300 V

Series resistance per wire

1,2  $\Omega \pm 5\%$

Signalling on device

None

SPD to EN 61643-11

Type 1+2

SPD to IEC 61643-1

Class I+II

SPD to IEC 61643-21

Class I+II / D1+C2

Plug-in system

Terminal

Impulse durability wire-wire

10 kV / 5 kA

Impulse durability wire-earth

10 kV / 5 kA

Permitted temperature range, max.

80 °C

Permitted temperature range, min.

-40 °C