

Technical data sheet

PDP cover, 2-pin, with OS, 48 V

Item number: 5080428



Upper part, plug-in data cable protection, type 1+2/D1+C2, for use in measurement, control and regulation technology

- Protection device for multi-wire systems
- Frequency range up to 100 MHz
- Low construction width of 17.5 mm
- With visual signalling and option of remote signalling

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



| Master data                            |                                |  |
|----------------------------------------|--------------------------------|--|
| Item number                            | 5080428                        |  |
| Type                                   | PDP-P-2-48-OS                  |  |
| Description 1                          | Pluggable data line protection |  |
| Description 2                          | plug-in arrester 2-pole        |  |
| Manufacturer                           | OBO                            |  |
| Dimension                              | 48V                            |  |
| Smallest sales unit                    | 1                              |  |
| Unit of quantity                       | Piece                          |  |
| Weight                                 | 2.6 kg                         |  |
| Weight unit                            | kg/100 pc.                     |  |
| CO2 Footprint (GWP) Cradle-to-<br>Gate | 0,2471 kg CO2e / 1 Piece       |  |

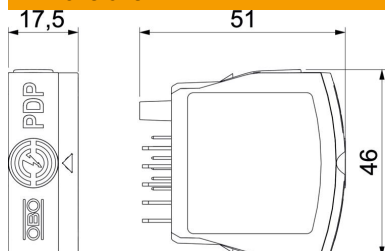
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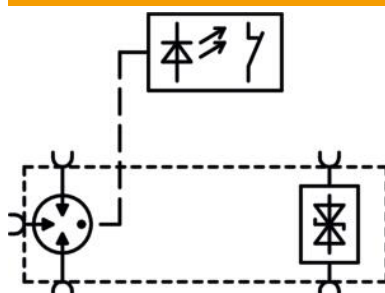


## Dimensions



|        |         |
|--------|---------|
| Length | 51 mm   |
| Width  | 17.5 mm |
| Height | 46 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>        |
| 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              | 37 V                        |
| Maximum continuous voltage DC              | 52 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                                  | Direct                      |
| Protection rating                          | IP20                        |
| Series resistance per wire                 | 1.2 Ω ± 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          |

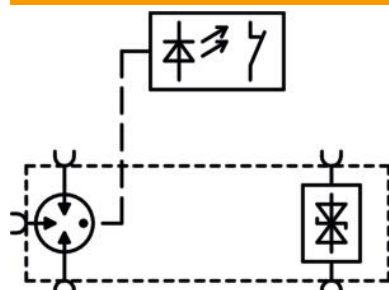
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Plug-in system

Impulse durability wire-wire

Impulse durability wire-earth

Permitted temperature range,  
max.

Permitted temperature range,  
min.

Terminal

10 kV / 5 kA

10 kV / 5 kA

80 °C

-40 °C