

# Technical data sheet

Cover PDP, 2-pole, 48 V

Item number: 5080408



Plug-in arrester, plug-in data protection type 1+2/D1+C2 for use in instrumentation, control and automation equipment

- Protection device for multiwire systems
- Frequency range to 100 MHz
- Small width of 12.5 mm

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



| Master data                         |                                |  |
|-------------------------------------|--------------------------------|--|
| Item number                         | 5080408                        |  |
| Type                                | PDP-P-2-48                     |  |
| 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                              | 1.8 kg                         |  |
| Weight unit                         | kg/100 pc.                     |  |
| CO2 Footprint (GWP) Cradle-to- Gate | 0,1219 kg CO2e / 1 Piece       |  |

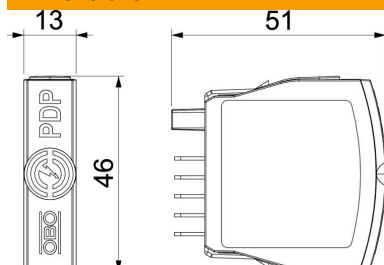
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## Dimensions



|        |       |
|--------|-------|
| Length | 51 mm |
| Width  | 13 mm |
| Height | 46 mm |

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|                                            |                             |
|--------------------------------------------|-----------------------------|
| 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                        |
| Protection level wire-wire                 | 170 V                       |
| 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                  |

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|                                   |                    |
|-----------------------------------|--------------------|
| 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             |