# Technical data sheet

## Plug-in arrester PDP, 2x2-pole

## Item number: 5080414

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.

MSR LPZ 0→2

### Master data

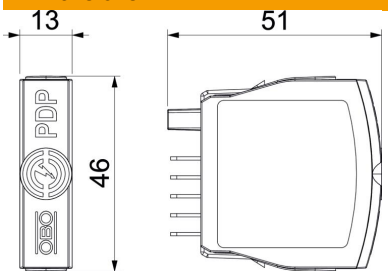
| | |
|---|---|
| Item number | 5080414 |
| Type | PDP-P-2x2-24 |
| Description 1 | Pluggable data line protection |
| Description 2 | plug-in arrester 2x2-pole |
| Manufacturer | OBO |
| Dimension | 24V |
| Smallest sales unit | 1 |
| Unit of quantity | Piece |
| Weight | 2.4 kg |
| Weight unit | kg/100 pc. |
| CO2 Footprint (GWP) Cradle-to-Gate | 0,2129 kg CO2e / 1 Piece |

# Technical data sheet

## Plug-in arrester PDP, 2x2-pole

## Item number: 5080414

### Dimensions




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

### Technical data

| | |
|---|---|
| Connection cross-section, flexible, max. | 1.5 mm² |
| Connection cross-section, flexible, min. | 0.14 mm² |
| Connection cross-section, multi-wire, max. | 2.5 mm² |
| Connection cross-section, multi-wire, min. | 0.14 mm² |
| Connection cross-section, rigid, max. | 2.5 mm² |
| Connection cross-section, rigid, min. | 0.14 mm² |
| 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 | 21 V |
| Maximum continuous voltage DC | 30 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 |
| ROHS-conformant | yes |
| Shielding connection available | yes |
| Screening | Direct |
| Protection rating | IP20 |
| Protection level wire-wire | 150 V |
| Series resistance per wire | 1,2 Ω ± 5% |
| Signalling on device | None |
| SPD to EN 61643-11 | Type 1+2 |

# Technical data sheet

## Plug-in arrester PDP, 2x2-pole

## Item number: 5080414

### Technical data

| | |
|---|---|
| SPD to IEC 61643-11 | 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 |