Technical data sheet

Plug-in arrester PDP, 2x2-pole

Item number: 5080412

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	5080412
Type	PDP-P-2x2-12
Description 1	Pluggable data line protection
Description 2	plug-in arrester 2x2-pole
Manufacturer	OBO
Dimension	12V
Smallest sales unit	1
Unit of quantity	Piece
Weight	2.4 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,2178 kg CO2e / 1 Piece

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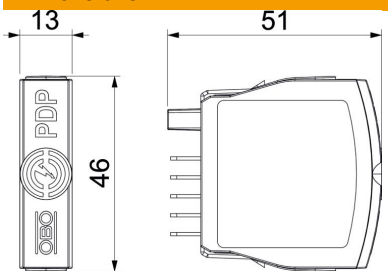
Dimensions



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	12 V
Maximum continuous voltage DC	16 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	130 V
Series resistance per wire	1,2 Ω ± 5%
Signalling on device	None
SPD to EN 61643-11	Type 1+2

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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