

Technical data sheet

Connectable data cable protection, 2-pole, indirect earthing, with visual signalling, 48 V

Item number: 5080355



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	5080355
Type	PDP-2-48-I-OS
Description 1	Pluggable data line protection
Description 2	2 pole indirect earth
Manufacturer	OBO
Dimension	48V
Smallest sales unit	1
Unit of quantity	Piece
Weight	8.2 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,6488 kg CO2e / 1 Piece

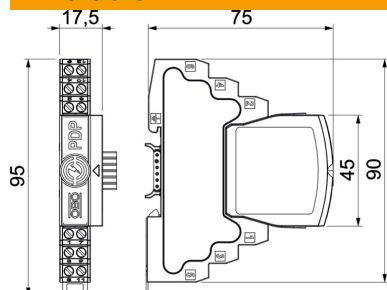
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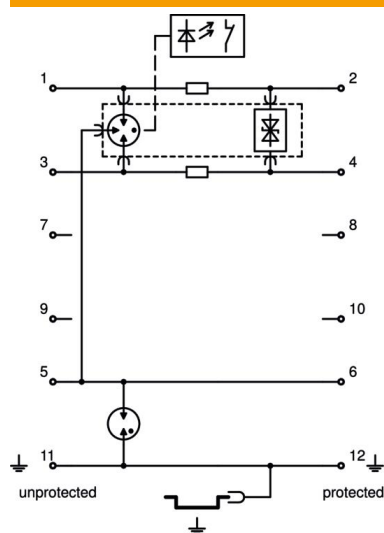


Dimensions



Length	75 mm
Width	17.5 mm
Height	95 mm

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Connection cross-section, flexible, max.	1.5 mm ²
Connection cross-section, flexible, min.	0.14 mm ²
Connection cross-section, multi-wire, max.	2.5 mm ²
Connection cross-section, multi-wire, min.	0.14 mm ²
Connection cross-section, rigid, max.	2.5 mm ²
Connection cross-section, rigid, min.	0.14 mm ²
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	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	Indirect
Protection rating	IP20
Protection level wire-wire	170 V
Protection level wire-earth	1600 V

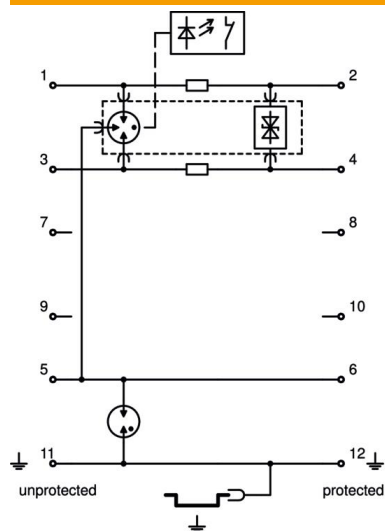
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Protection level, shield-earth (S-PE)

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