

Technical data sheet

Connectable data cable protection, 2-pole, direct earthing

Item no. 5080301



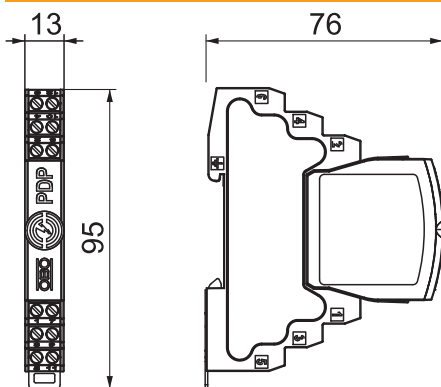
Connectable data cable protection, type 1+2/D1+C2 for use in measurement and control technology

- Protection device for multi-wire systems
- Direct shield earthing
- Frequency range up to 100 MHz
- Earthing via DIN rail or connection cable
- Installation width from 12.5 mm
- High system availability – no signal interruption without protection module

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



Dimensions



Master data

Item no.	5080301
Type	PDP-2-5-D
Description 1	Pluggable data line protection
Description 2	2 pole direct earth
Dimension	5V
Smallest sales unit (VG)	1,00 Piece
Weight	6,50 kg/100 pc.

Technical data sheet

Connectable data cable protection, 2-pole, direct earthing

Item no. 5080301



Technical data

SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
Category	Type 1+2 / D1+C2
SPD to IEC 61643-21	Class I+II / D1+C2
Connection cross-section, flexible	0,14 - 1,50 mm ²
Connection cross-section, multi-wire	0,14 - 2,50 mm ²
Connection cross-section, rigid	0,14 - 2,50 mm ²
Version	2-pole
Number of poles	2,00
Insertion loss	≤3 dB
Earthing via:	Connection cable / DIN rail
Total discharge current (8/20)	20 kA
Total discharge current (10/350)	2,5 kA
Frequency range	0,00 - 100,00 MHz
Cut-off frequency	100,00 MHz
Maximum continuous voltage AC	4,20 V
Maximum continuous voltage DC	6,00 V
Impulse discharge current (10/350)	2,50 kA
Nominal discharge current (8/20 µs)	10,00 kA
Capacity (wire-wire)	≤30 pF
Capacity (wire-earth)	≤30 pF
Series resistance	1,2 ± 5% ohm
Lightning protection zone LPZ	0→2
Total impulse durability into C2 (8/20)	20,00 kA
Nominal load current AC	0,43 A
Nominal load current DC	0,60 A
Mounting of input / output	Screw terminals
Installation type	DIN rail 35 mm
Testing standard	IEC 61643-21
Shielding connection available	Yes
Shield connection	Direct
Protection rating	IP20
Protection level wire-wire	100 V
Protection level wire-earth	850 V
Series resistance per wire	1,2 Ω ± 5%
Signalling on device	None
Connection system	Terminal
Impulse durability wire-wire	10 kV / 5 kA
Impulse durability wire-earth	10 kV / 5 kA
Temperature range	-40+80 °C