

Technical data sheet

Connectable data cable protection, 2-pole, indirect earthing, 12 V
Item number: 5080311



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

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

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



Master data		
Item number	5080311	
Description 1	Pluggable data line protection	
Description 2	2 pole indirect earth	
Manufacturer	OBO	
Dimension	12V	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	6.6 kg	
Weight unit	kg/100 pc.	

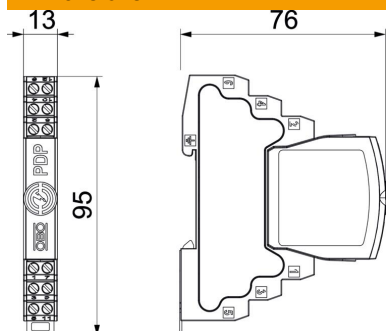
Technical data sheet

Connectable data cable protection, 2-pole, indirect earthing, 12 V

Item number: 5080311



Dimensions



Length	76 mm
Width	13 mm
Height	95 mm

Technical data

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	2
Version for	2-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	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
Shielding connection available	yes
Screening	Indirect
Protection rating	IP20

Technical data sheet

Connectable data cable protection, 2-pole, indirect earthing, 12 V

Item number: 5080311



Technical data

Protection level wire-wire	130 V
Protection level wire-earth	1600 V
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