

Technical data sheet

Series protection device, 2-pole, 24 V version

Item number: 5098425



Lightning barrier with test function; 24 V version

- Rated load current 10 A
- Protection device for multi-wire systems
- Direct shield earthing and screwless connection terminals
- Space-saving width of just 8.7 mm
- Protection circuit testable with Life Control
- High bandwidth to 100 MHz
- UL-listed (4DG1)

Application: Universal use on 35 mm DIN profile rail in any standard distribution housing.



Master data		
Item number	5098425	
Type	MDP-2 D-24-T-10	
Description 1	Lightning barrier	
Description 2	2-pin for high nom. currents	
Manufacturer	OBO	
Dimension	24V	
Smallest sales unit	1	
Unit of quantity	Piece	
Weight	6 kg	
Weight unit	kg/100 pc.	
CO2 Footprint (GWP) Cradle-to-Gate	0,3044 kg CO2e / 1 Piece	

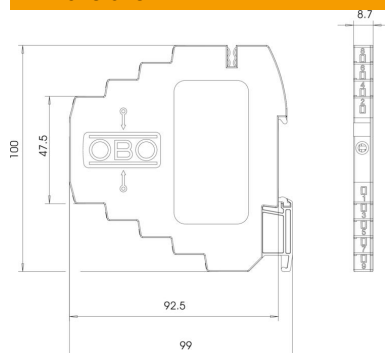
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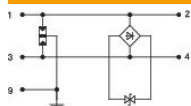
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Dimensions



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Connection cross-section, flexible, max.	2.5 mm ²
Connection cross-section, flexible, min.	0.14 mm ²
Connection cross-section, multi-wire, max.	1.5 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
Insertion loss	≤3 dB
Earthing via:	DIN rail
Total discharge current (10/350)	D1: 1 kA
Total discharge current (8/20)	5 kA
Cut-off frequency	100 MHz
Maximum continuous voltage AC	20 V
Maximum continuous voltage DC	28 V
Lightning impulse current	0.5 kA
Insulation resistance	>100 MΩ
Capacity (wire-wire)	< 40 pF
Kategorie	Type 1+2+3 / D1+C2+C1
Lightning protection zone LPZ	0→3
Mounting type	DIN rail
Nominal load current AC	0.7 A
Nominal load current DC	10 A
Nominal voltage	24 V
Testing standard	IEC 61643-21
ROHS-conformant	yes
Shielding connection available	yes
Screening	Direct
Protection rating	IP20
Protection level @ C1	<65 V
Protection level wire-wire	<70 V
Protection level wire-earth	<800 V
Signalling on device	Readable

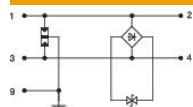
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SPD to IEC 61643-21	Class I+II+III / D1+C2+C1
Plug-in system	Terminal
Impulse durability wire-wire	C1: 0,5 kV / 0,25 kA (8/20µs)
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C
Approvals	UL