

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
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.

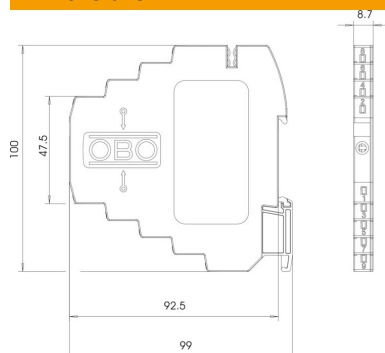
Technical data sheet

Series protection device, 2-pole, 24 V version

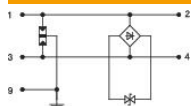
Item number: 5098425



Dimensions



Technical data



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
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
SPD to IEC 61643-21	Class I+II+III / D1+C2+C1

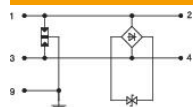
Technical data sheet

Series protection device, 2-pole, 24 V version

Item number: 5098425



Technical data



Plug-in system

Impulse durability wire-wire

Permitted temperature range,
max.

Permitted temperature range,
min.

Approvals

Terminal

C1: 0,5 kV / 0,25 kA (8/20 μ s)

80 °C

-40 °C

UL