Technical data sheet

Medium and fine protection FLD 2 for two-core systems 110 V

Item number: 5098859

Surge protection for use in measurement and control technology

- Medium and fine protection
- Standard design for single core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With inductive decoupling in the longitudinal branch

Application: Universal use on any 35 mm DIN profile rail in every commercially available distributor housing.

LISTED LPZ 0→3 MSR

Master data

Item number	5098859
Type	FLD 2-110
Description 1	Lightning barrier
Description 2	with decoupling inductivity
Manufacturer	OBO
Dimension	110V AC
Smallest sales unit	1
Unit of quantity	Piece
Weight	5.1 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,1438 kg CO2e / 1 Piece

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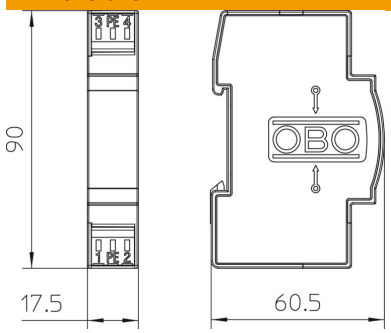
Dimensions



Technical data

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Connection cross-section, flexible, max.	2.5 mm²
Connection cross-section, flexible, min.	0.14 mm²
Connection cross-section, multi-wire, max.	2.5 mm²
Connection cross-section, multi-wire, min.	0.14 mm²
Connection cross-section, rigid, max.	2.5 mm²
Connection cross-section, rigid, min.	0.14 mm²
Number of poles	2
Insertion loss	3dB @ 150 kHz dB
Earthing via:	Terminal
Explosion-tested version	no
Telecommunications contact	no
Total discharge current (8/20)	5 kA
Maximum continuous voltage AC	86 V
Maximum continuous voltage DC	122 V
Insulation resistance	>1MΩ
Capacity (wire-wire)	< 1 nF
Capacity (wire-earth)	<10 nF
Kategorie	Type 2+3 / C2+C1
Lightning protection zone LPZ	1→3
Mounting type	DIN rail 35 mm
Nominal discharge current (8/20 µs)	0.5 kA
Nominal load current AC	0.7 A
Nominal load current DC	1 A
Testing standard	IEC 61643-21
ROHS-conformant	yes
Shielding connection available	no
Protection rating	IP20
Protection level wire-wire	<500 V
Protection level wire-earth	<300 V
Series inductivity per wire	120 µH ± 10 %
SPD to IEC 61643-21	Class II+III / C2+C1
Plug-in system	Terminal

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Impulse durability wire-wire	C2: 5 kV / 2,5 kA (8/20µs)
Impulse durability wire-earth	C2: 5 kV / 2,5 kA (8/20µs)
Division unit TE (17.5 mm)	1
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C
Approvals	UL