

Technical data sheet

Medium and fine protection FLD 2 for two-core systems 12 V

Item no. 5098808



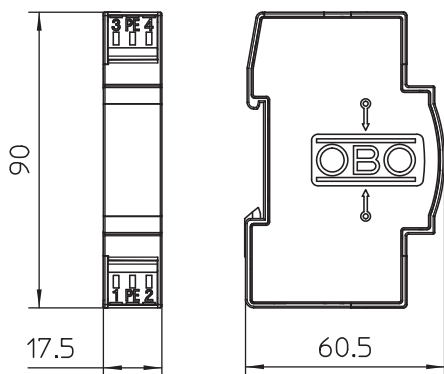
Surge protection for use in measurement and control technology

- 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.



Dimensions



Master data

Item no.	5098808
Type	FLD 2-12
Description 1	Lightning barrier
Description 2	with decoupling inductivity
Dimension	12V AC
Smallest sales unit (VG)	1 Piece
Weight	5,10 kg/100 pc.

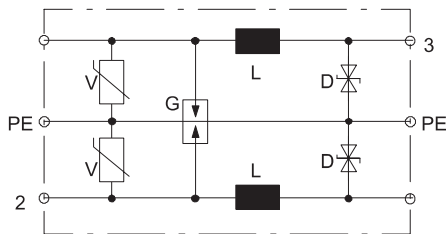
Technical data sheet

Medium and fine protection FLD 2 for two-core systems 12 V

Item no. 5098808



Technical data



Category	Type 2+3 / C2+C1
SPD to IEC 61643-21	Class II+III / C2+C1
Connection cross-section, flexible	0,14 - 2,50 mm ²
Connection cross-section, multi-wire	0,14 - 2,50 mm ²
Connection cross-section, rigid	0,14 - 2,50 mm ²
Number of poles	2
Insertion loss	3dB @ 150 kHz dB
Earthing via:	Terminal
Explosion-tested version	<input type="checkbox"/>
Telecommunications contact	<input type="checkbox"/>
Total discharge current (8/20)	1 kA
Maximum continuous voltage AC	9,00 V
Maximum continuous voltage DC	13,00 V
Insulation resistance	>1MΩ
Nominal discharge current (8/20 μs)	0,50 kA
Capacity (wire-wire)	<10 nF
Capacity (wire-earth)	<10 nF
Lightning protection zone LPZ	1→3
Rated current	1,00 A
Nominal load current AC	0,70 A
Nominal load current DC	1,00 A
Installation type	DIN rail 35 mm
Testing standard	IEC 61643-21
Shielding connection available	No
Protection rating	IP20
Protection level wire-wire	<60 V
Protection level wire-earth	<30 V
Series inductivity per wire	120 μH ± 10 %
Connection system	Terminal
Impulse durability wire-wire	C1: 1 kV / 0,5 kA (8/20μs)
Impulse durability wire-earth	C1: 1 kV / 0,5 kA (8/20μs)
Temperature range	-40+80 °C
Division unit TE (17.5 mm)	1
Approvals	