

Combination protection for two-core systems with HF applications 5 V



Surge protection for use in measuring, control and regulation systems.

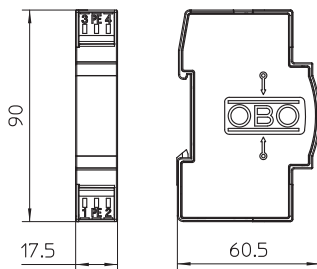


- Basic, medium and fine protection
- Two-stage protection circuit with high lightning current carrying capacity
- High transmission frequency up to 100 MHz
- Suitable for all bus systems (e.g. Profibus)
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid

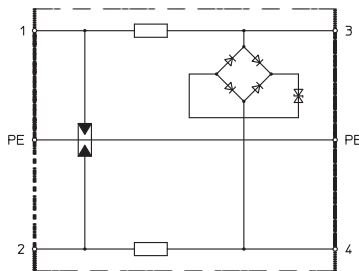
Application: Multipurpose use on any 35 mm DIN profile rail in every commercially available distribution housing.

Type	Highest continuous voltage AC V	Highest continuous voltage DC V	Number of poles	Connection system	Pack. pcs	Weight kg/100 pcs.	Item No.
FRD 5 HF	4	6	2	Terminal	1	4,400	5098571

Dimensions



Connection options



FRD 5 HF

Maximum continuous voltage AC V	U _c	4
Maximum continuous voltage DC V	U _c	6
Category		Type 1+2+3 / D1+C2+C1
Lightning protection zone LPZ		0→3
Number of poles		2
Rated current A	I _n	0,45
Series resistance per wire		2,2 Ω ± 10 %
Impulse durability wire-wire		C2: 18 kV / 9 kA (8/20μs)
Impulse durability wire-earth		C2: 18 kV / 9 kA (8/20μs)
Total discharge current (8/20) kA		18
Total discharge current (10/350) kA		D1: 6
Protection level wire-wire V		<90
Protection level wire-earth V		<650
Temperature range °C	θ	-40-80
Installation type		Hat rail 35 mm
Connection system		Terminal
Division unit TE (17.5 mm)		1
Protection rating		IP20
Connection cross-section, flexible mm ²		0,14-2,5
Connection cross-section, multi-wire mm ²		0,14-2,5
Connection cross-section rigid mm ²		0,14-2,5
Earthing via:		Terminal
Testing standard		IEC 61643-21