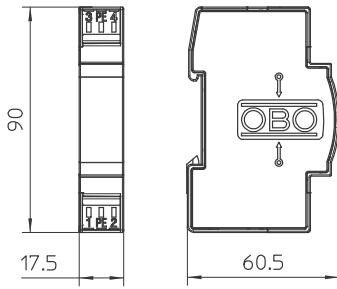




## Medium and fine protection FRD for two-core systems 12 V



Surge protection for use in measurement and control technology

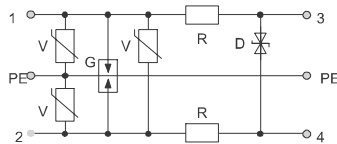
- Medium and fine protection
- Standard design for double core systems
- Two-stage protection circuit
- With installation-friendly, screwless connection terminals
- In space-saving 17.5 mm grid
- With ohmic decoupling in the longitudinal branch

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

Type	Highest continuous voltage AC V	Maximum continuous voltage DC V	Number of poles	Connection system	Pack Piece	Weight kg/100 pc.	Item no.
FRD 12	9	13	2	Terminal	1	5.100	5098506

**0210** /pc.

### Connection options



FRD 12	
Maximum continuous voltage AC	$U_c$ 9 V
Maximum continuous voltage DC	$U_c$ 13 V
Category	Type 1+2+3 / D1+C2+C1
Lightning protection zone LPZ	0→3
Number of poles	2
Rated current	$I_L$ 0.2 A
Series resistance per wire	15 $\Omega$ $\pm$ 10 %
Impulse durability wire-wire	C1: 1 kV / 0.5 kA (8/20 $\mu$ s)
Impulse durability wire-earth	C2: 10 kV / 5 kA (8/20 $\mu$ s)
Total discharge current (8/20)	10 kA
Total discharge current (10/350)	D1: 3 kA
Protection level wire-wire	<30 V
Protection level wire-earth	<600 V
Temperature range	$\vartheta$ -40 - +80 °C
Installation type	DIN rail 35 mm
Connection system	Terminal
Division unit TE (17.5 mm)	1
Protection rating	IP20
Connection cross-section, flexible	0.14 - 2.5 mm <sup>2</sup>
Connection cross-section, multi-wire	0.14 - 2.5 mm <sup>2</sup>
Connection cross-section, rigid	0.14 - 2.5 mm <sup>2</sup>
Earthing via:	Terminal
Testing standard	IEC 61643-21
Approvals	UL