



Surge arrester for protection of signal networks, communication interfaces, lines of measuring and control systems

- Type D1, C2, C3
- $I_{total} (10/350 \mu s) = 1 \text{ kA}$
- $I_{total} (8/20 \mu s) = 10 \text{ kA}$
- Also available for voltage levels 24 V and 48 V
- Galvanic isolation from PE
- Screwless terminals
- Mounting on 35 mm DIN rail

## Technical Specifications

Lines protected	
Nominal voltage	$U_N$
Maximum operating voltage	$U_C$
Nominal load current	$I_L$
D1 impulse discharge current (10/350 $\mu s$ ) core-core	$I_{imp}$
D1 total discharge current (10/350 $\mu s$ ) cores-PE	$I_{total}$
C2 nominal discharge current (8/20 $\mu s$ ) per core	$I_n$
C2 total discharge current (8/20 $\mu s$ ) cores-PE	$I_{total}$
C2 voltage protection level mode core-core at $I_n$	$U_p$
C2 voltage protection level mode core-PE at $I_n$	$U_p$
C3 voltage protection level mode core-core at 1 kV/ $\mu s$	$U_p$
C3 voltage protection level mode core-PE at 1 kV/ $\mu s$	$U_p$
Response time core-core / core-PE	$t_A$
Serial resistance per core	$R$
Threshold frequency core-core	$f$
Connection	
Cross-section of connected conductors rigid	
Cross-section of connected conductors flexible	
Degree of protection	
Operating temperature	
Permissible relative humidity	RH
Mounting on	
According to standard	

## FEDG 6V/1 SL

1 (2 Conductors)
6 V DC
6 V AC / 8.5 V DC
0.5 A
0.5 kA
1 kA
5 kA
10 kA
18 V
350 V
12 V
500 V
1 ns / 100 ns
1.6 $\Omega$
1 MHz
screwless terminals
0.08 mm <sup>2</sup> ... 4 mm <sup>2</sup>
0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
IP 20
-40 °C ... +70 °C
5% ... 95%
35 mm DIN rail
EN 61643-21+A1, A2:2013 / IEC 61643-21+A1, A2:2012, D1, C2, C3

## Order Information

Order number
Gross weight / net weight
Package dimensions L x W x H
Customs tariff number

604 111
54 g / 28 g
124 x 80 x 25 mm
85363010

