

Features

- 2-wire system
- 5V signal system
- Strong resistance to surge
- 7.4mm Ultra-thin design
- Support terminal grounding (optional)
- 35 mm rail mounted

Discription

This SPD limits induced transients of different origin (lightning stroke, switching impulse, etc.). This is achieved by diverting the transient current to ground and limiting the signal line voltage to a safe level for the duration of the surge.

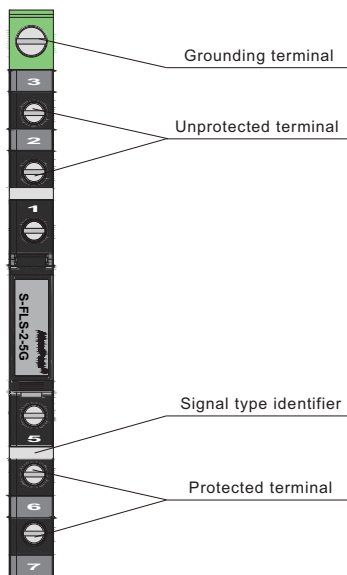
It can be applied to 2 wire RTD, TC, RS-485, MODBUS, PROFIBUSDP, CAN ect.

Parameter

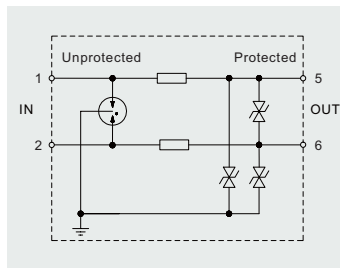
Nominal voltage U_n	5 V
Max. continuous operating voltage $U_c(DC)$	6 V
Max. continuous operating voltage $U_c(AC)$	4 V
Nominal current I_L	600 mA
Total impulse current $I_{imp}(10/350 \mu s), D1$	4 kA
Impulse current $I_{imp}(10/350 \mu s), D1$	2 kA
Total discharge current $I_{total}(8/20 \mu s), C2$	10 kA
Nominal discharge current $I_n(8/20 \mu s), C2$	5 kA
Voltage protection level $U_p(8/20 \mu s), C2$	$L-L \leq 45 V / L-PE \leq 45 V$
Voltage protection level $U_p(1 kV/\mu s), C3$	$L-L \leq 15 V / L-PE \leq 15 V$
Bandwidth $f_G(100 \Omega \text{ resistance})$	100 MHz
Series impedance	1.8 Ω
Response time T_a	<1 ns
General parameters	
Operating temperature	-40 $^{\circ}C \sim +80 \text{ }^{\circ}C$
Installation	35 mm DIN rail
Grounding mode	Rail/ terminal (optional)
Connecting wire size	0.2 mm ² ~ 2.5 mm ²
Material	PC
Flame retardant grade(UL94)	V0
Protection degree	IP20
Standards	IEC 61643-21/GB/T 18802.21



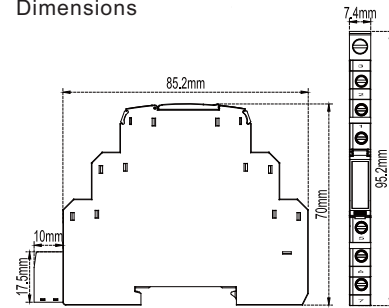
Graphics



Schematic



Dimensions



Application

