Features

- 2-wire system
- 5V signal system
- Continuous Operation (with Auto-Reset)
- 6 mm,hot plugging
- Signal Test Points for easy circuit monitoring

Discription

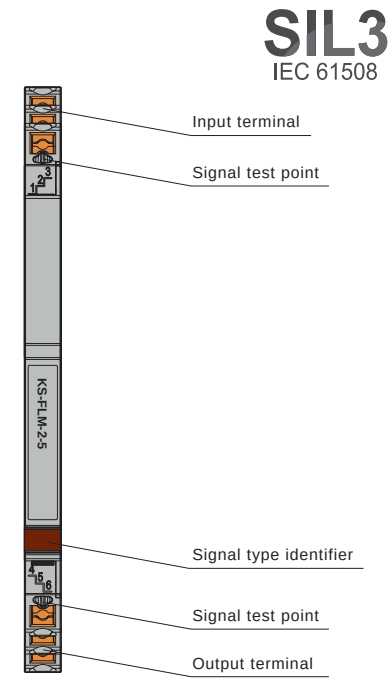
This SPD limits induced transients of different origin (lightning stroke, switching impulse, etc.). This is achieved by diverting the transient current to ground and limiting the signal line voltage to a safe level for the duration of the surge.

It can be applied to 2 wire RTD, TC, RS-485, MODBUS, PROFIBUS-DP, CAN and other products.

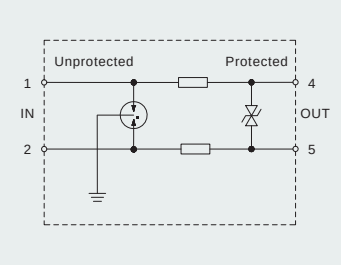
Parameter

Nominal voltage Un	5 V
Max. continuous operating voltage Uc(DC)	6 V
Max. continuous operating voltage Uc(AC)	4 V
Nominal current I_L	700 mA (50°C)
Total lightning impulse current Iimp(10/350 μs),D1	5 kA
Lightning impulse current Iimp(10/350 μs),D1	2.5 kA
Max. discharge current Imax(8/20 μs),C2	20 kA
Nominal discharge current In(8/20 μs),C2	10 kA
Voltage protection level Up(8/20 μs)，C2	L-L ≤ 45 V / L-PE ≤ 500 V
Voltage protection level Up(1 kV/μs)，C3	L-L ≤ 15 V / L-PE ≤ 500 V
Bandwidth fG(100 Ω resistance)	300 kHz
Series impedance	< 1 Ω
Response time Ta	< 1 ns
General perameters	
Operating temperature	-40 °C ~ +85 °C
Installtion	35 mm DIN rail
Grounding mode	Grounding rail
Connecting wire size	0.2 mm^2 ~ 2.5 mm^2
Material	PBT
Flame retardant grade(UL94)	V0
Protection degree	IP20
Standards	IEC 61643-21/ GB/T 18802.21

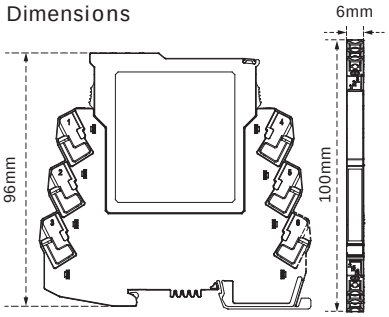
Graphics



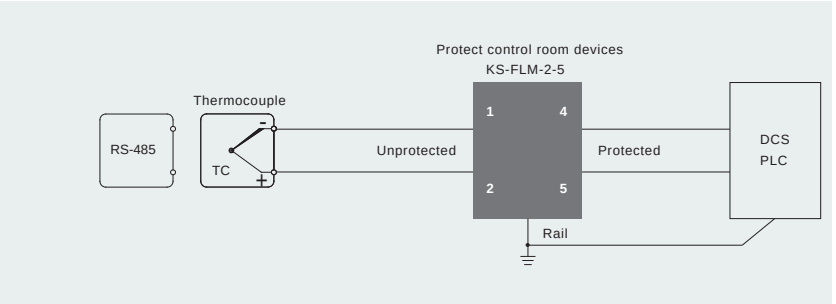
Schematic



Dimensions



Application



SPD with Failure Indication