

**Features**

- 2 line system
- Intrinsically safe 24V signal system
- Max. impulse current 20 kA(8/20 μs)
- plug in gold plating
- 12.4 mm,hot plugging
- 35 mm rail installation

**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 pressure transmitter, valve positioner, electrical converter, flowmeter, solenoid valve and other field instruments and FF, PROFIBUS PA ect.

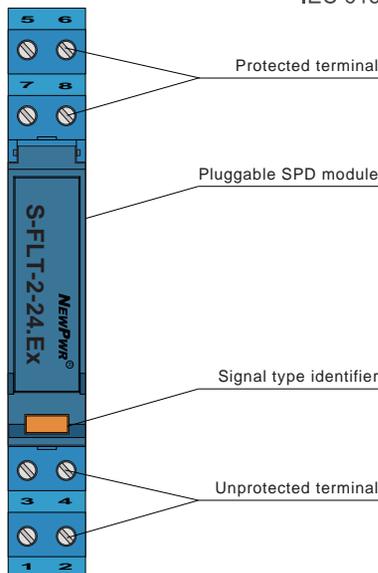


**Parameter**

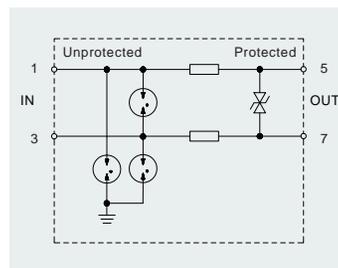
Nominal voltage Un	24 V
Max. continuous operating voltage Uc(DC)	32 V
Max. continuous operating voltage Uc(AC)	22.5 V
Nominal current IL	600 mA
Total lightning impulse current Iimp(10/350 μs),D1	5 kA
Lightning impulse current Iimp(10/350 μs),D1	2.5 kA
Max. discharge current Imax(8/20 μs),C2	20 kA
Nominal discharge current In(8/20 μs),C2	10 kA
Voltage protection level Up(8/20 μs) , C2	L-L≤60 V/ L-PE≤550 V
Voltage protection level Up(1 kV/μs) , C3	L-L≤45 V/ L-PE≤550 V
Bandwidth fG(100 Ω resistance)	10 MHz
Series impedance	1 Ω
Response time Ta	<1 ns
Intrinsically safe circuit certification	Ex ia II C T6 Ga
<b>General parameters</b>	
Operating temperature	-40 °C ~ +80 °C
Installation	35 mm DIN rail
Grounding mode	Grounding rail
Connecting wire size	0.2 mm <sup>2</sup> ~ 2.5 mm <sup>2</sup>
Material	PC
Flame retardant grade(UL94)	V0
Protection degree	IP20
Standards	IEC 61643-21/ GB/T 18802.21

**Graphics**

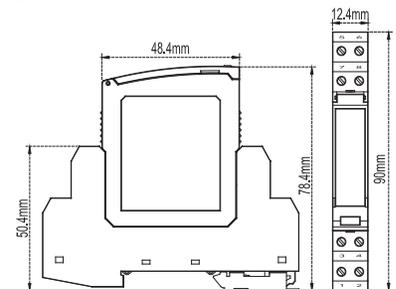
**SIL3**  
IEC 61508



**Schematic**



**Dimensions**



**Application**

