

## Features

- 3-wire system
- M20×1.5 male thread(optional)
- Strong resistance to surge
- For parallel connection
- 304 stainless steel shell
- 24V signal system

## 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 3-wire transmitter, RS232 and RTD ect.

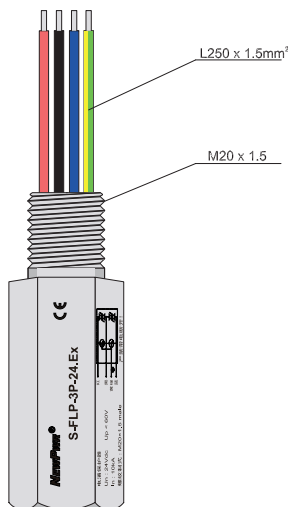
## Parameter

Nominal voltage Un	24 V
Max. continuous operating voltage U <sub>c</sub> (DC)	34 V
Max. continuous operating voltage U <sub>c</sub> (AC)	22.5 V
Total lightning impulse current I <sub>imp</sub> (10/350 μs),D1	2.5 kA
Max. discharge current I <sub>max</sub> (8/20 μs),C2	20 kA
Nominal discharge current I <sub>n</sub> (8/20 μs),C2	10 kA
Voltage protection level U <sub>p</sub> (8/20 μs) , C2	L-L≤60 V/ L-PE≤600 V
Bandwidth f <sub>G</sub> (100 Ω resistance)	10 MHz
Response time t <sub>a</sub>	<1 ns
Intrinsically safe circuit certification	Ex db IIC Gb Ex ia IIC T6 Ga
General parameters	
Operating temperature	-40 °C ~ +80 °C
For mounting on (field / device side)	M20×1.5、1/2" 14NPT、 G 1/2"ect ( male thread )
Grounding on	Yellow-green line
Installation	Parallel connection
Length of the connecting lead	connection:1.5 mm <sup>2</sup> length:250 mm
Material	304/316 Stainless steel
Flame retardant grade(UL94)	V0
Protection degree	IP67
Standards	IEC 61643-21/ GB/T 18802.21

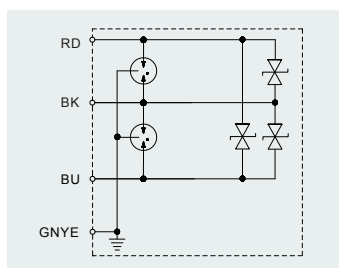


## Graphics

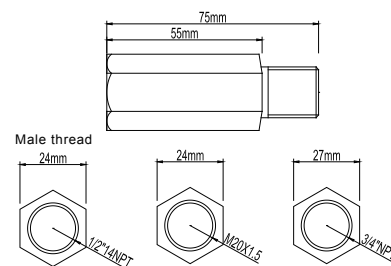
**SIL3**  
IEC 61508



### Schematic



### Dimensions



### Application

