

Features

- 4-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 4-wire transmitter, and RS422 ect.

Parameter

Nominal voltage Un	24 V
Max. continuous operating voltage Uc(DC)	34 V
Max. continuous operating voltage Uc(AC)	22.5 V
Total lightning impulse current $I_{imp}(10/350 \mu s), D1$	2.5 kA
Max. discharge current $I_{max}(8/20 \mu s), C2$	20 kA
Nominal discharge current $I_n(8/20 \mu s), C2$	10 kA
Voltage protection level $U_p(8/20 \mu s), C2$	L-L≤60 V/ L-PE≤600 V
Bandwidth fG(100 Ω resistance)	10 MHz
Response time t_a	<1 ns
Intrinsically safe circuit certification	Ex db IIC Gb Ex ia IIC T6 Ga

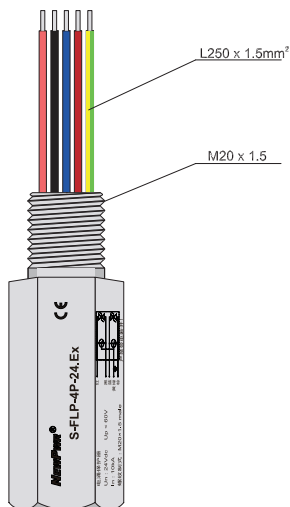
General parameters

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 ² length:250 mm
Material	304/316 Stainless steel
Flame retardant grade(UL94)	V0
Protection degree	IP67
Standards	IEC 61643-21/ GB/T 18802.21

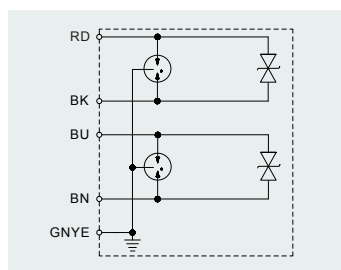


Graphics

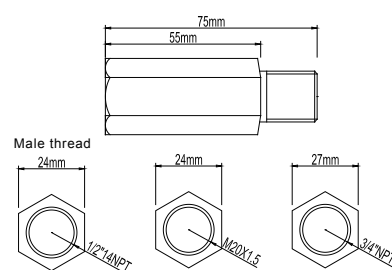
SIL3
IEC 61508



Schematic



Dimensions



Application

