

**Explosion-proof signal lightning surge protector
Clamped type 10kA 24V/48V**



Description

D24(48)Y2/3/4-T provides complete protection for on-site 2/3/4-wire instruments from damage caused by lightning induced voltage, power interference, electrostatic discharge, etc. The lightning protection device is encapsulated in a 316 stainless steel casing, and can provide 1/2" NPT, M20*1.5, PG13.5, G1/2 and other threaded inlet interfaces.

The SPD is connected in parallel in the signal system, causing almost no additional loss to the signal. It can be used in FF bus, PROFIBUS-PA, and WorldFIP systems, and is suitable for HART protocol instruments and 4-20mA DC24V analog signals without affecting the normal operation of the signal. The lightning arrester uses world-famous brand components and is manufactured using advanced production technology. It has the characteristics of large flow capacity, low residual voltage level, sensitive response, stable performance, and reliable operation.

Features of control line protector

- Large discharge current
- Less insertion loss
- fast response
- Stable performance
- Reliable explosion-proof

Application Of control line protector

- FF bus
- World FIP system, petrification mine and gas
- HART agreement, 4-20mA analog signal

Specification

Model	D24Y2-T-1/2NPT	D24Y3-T-1/2NPT	D24Y4-T-1/2NPT
Model	D48Y2-T-1/2NPT	D48Y3-T-1/2NPT	D48Y4-T-1/2NPT
Lightning projection	2		



zone(LPZ)			
Standards Compliance	IEC61643, EN60950		
According to DIN VDE6075 Part6(Draft 11.89) A1,A2	D		
Norminal discharge curretn In	24V/48V		
Max continuous operating voltage Uc	33V/57V		
Nominal discharge current (8/20μs) In	5KA		
Max discharge current I _{max} (8/20μs) I _{max}	10KA		
Max impulse current (10/350μs)	2.5KA		
Voltage protection level U _p	≤300V		
Response time t _A	1ns		
Insertion loss	≤0.5dB		
Protection line	2 Line	3 Line	4 Line
Connector type	1/2"NPT、M20*1.5、PG13.5、G1/2		
Mounting	Be Installed between protected equipment and signal line		
Transmission standards	10Mbps		
Dimension	75*31*27mm		
Lead length	250mm		
IP code(IEC EN 60529)	IP67		
Material/color	Steel / Natural color		
Cross section of connection wire	1.5mm ²		
Working conditions	Temperature: -40 to 85°C, Relative humidity: ≤95%		

Dimension and Wiring Diagram of D24(48)Y4-T-1/2NPT surge protector

