



POE Injector/ splitter with lightning protection

RJ45 connector 5kA 48V

Techwin RJ45 Lightning Arrester (SPD) for cat5e 100/1000 Base-T Ethernet arrester



Description

POE Splitter with lightning protection is a kind of surge protective device, designed for preceding stage POE equipment, which is separated to be backward stage power supply and network signal transmission respectively.

POE injector with lightning protection is a kind of surge protective device, designed for POE equipment, which is used to combine preceding stage power supply and network signal to one line at the backward stage.

Features of data line SPD Series

- Patented product
- Graceful in appearance, rigorous in strictures
- Less insert loss, fast response
- Low residual voltage
- Coarse and fine full protection
- PCB board adopts the design of micro-strip
- Good isolation, low line interferences.

Application Of Signal SPD Series

- Wireless coverage
- Monitoring system

Specification

Model	POE6-48-H	POE6-48-F
Lightning projection zone(LPZ)	2	
Standards Compliance	IEC 61000, EN60950	



According to IEC61643	III
According to DIN VDE6075 Part6(Draft 11.89) A1,A2	D
Max continuous operating voltage U_c	5V
Nominal discharge current (8/20 μ s) I_n	3KA
Max discharge current I_{max} (8/21 μ s) I_{max}	5KA
Voltage protection Level @C2(8/20 μ s) U_p	$\leq 190V(L-L), \leq 500V(L-G)$
Voltage protection Level @C3(1kV/ μ s) U_p	$\leq 145V(L-L), \leq 600V(L-G)$
Rated load current I_L	200mA
Limiting Voltage(10/700 μ s)	$\leq 20V$
Cut-off Frequency f_G	250MHz
Response time t_A (L-N/N-PE)	1ns
Mounting	Be Installed between protected equipment and signal line
Adapt Transmission rate	1000Mbps
Transmission standards	100BaseT/ 1000BaseT/1000Base TX,CAT5/CAT6,POE
Dimension	105(H) \times 68(W) \times 28(L)mm
Interface form	RJ45
IP code(IEC EN 60529)	IP20
Power Part	
Nominal working voltage(U_n)	48V
Max continuous operationg voltage(U_c)	57V
Nominal discharge current (8/20 μ s) I_n	5KA
Max discharge current I_{max} (8/21 μ s) I_{max}	10KA
Load current	0.5A
Protection level $U_p(I_n)$	150V
Error rate	$\leq 10^{-12}$



Material/color	Aluminum/Blue
Standards Compliance	IEC61643-1, EN60950,GB/T18802.21-2002,TB/T2311-2002. YD/T 1235.2
Insertion loss	≤0.1dB
Working conditions	Temperature: -40 to 85°C, Relative humidity: ≤95%

Installation And Wiring diagram of POE6-48-H

