

SP-GE-01

Gigabit Ethernet 1-Port Surge Protector



The SP-GE-01 Series is designed to work on Category 5e Gigabit Ethernet (GE) transmission lines as well as Category 6 applications. They are ideal to protect expensive equipment against surges and transients entering a building on exposed transmission lines. Available in both Single unit and Rack mountable surge protectors with female to female RJ-45 connectors.

Features

- Ethernet 10/100/1000Base-T Data line protection
- Exceeds CAT 5 & 6 Transmission Values
- Fast energy absorption when over-voltage occurs
- Low series resistance and minimal capacitance values to preserve the data information

Specifications

Operating Voltage	Un 5V	Transmission Speeds	Vs 10/100/1000Mbps
Max. continuous operating voltage	Uc 6V	Bandwidth / Insertion Loss	fG 250Mhz ; Ae < 0.5dB
Peak Current Normal Mode (line to ground, 8 /20uS)	In 2.5KA	Connector / Data Lines Protected	RJ45 ; 8
Peak Current Common Mode (line to line, 8/20uS)	In 300A	Operating Temperature	-40 ~ 80°C degree
Voltage protection level (line to ground,10/700uS)	Up <=500V	Dimensions	38 x 106 x 26 mm (1-port) 73 x 148 x 44 mm (8-port) 73 x 480 x 44 mm (16/24-port)
Voltage protection level (line to line,10/700uS)	Up <=30V	Weight	75g (1-port); 0.44kg (8-port); 1.4kg (16/24-port)
NM Surge Response Time (ns)	tA <1ns	Certification	IEC 61644-1

Ordering Information

Model Name	Description
SP-GE-01	1-port RJ45 10/100/1000Base-T Ethernet Surge Protector (pin 1,2,3,4,5,6,7,8)
SP-GE-24	24-Port RJ45 10/100/1000Base-T Ethernet Surge Protector (pin 1,2,3,4,5,6,7,8)

SP - GE - □□
Example: SP - GE - 01

SP-ETH-01

Fast Ethernet Surge Protector



A surge protector is an appliance designed to protect electrical devices from voltage spikes. A surge protector attempts to regulate the voltage supplied to an electric device by either blocking or by shorting to ground voltages above a safe threshold. The SP-ETH-01 will ensure the reliable operation of RJ-45 twisted pair based networking equipment running Ethernet. Single unit and rack mountable surge protectors are both available.

Features

- Ethernet 10/100Base-TX Data line protection
- Fast energy absorption when over-voltage occurs
- Low series resistance and minimal capacitance values to preserve the data information

Specifications

Un	5V	Attenuation in dB	< 0.5dB (100MHz)
Uc	6.8V	Capacitance	< 40pF
Isn(discharge current)	2.5KA	Dimensions	38 x 106 x 26 mm (1-port) 73 x 143 x 44 mm (8-port) 73 x 480 x 44 mm (16/24-port)
Imax	5KA	Weight	75g (1-port) ; 440g (8-port) ; 1.38kg (16-port) ; 1.40kg (24-port)
Ures	< 30V	Certification	IEC 61644-1
tA (Response time)	< 1ns		
Protected Cores	SP-ETH-08: 8 pins SP-ETH-16: 8 pins SP-ETH-24: 8 pins		
	SP-ETH-01-8: 8 pins SP-ETH-01-4: 4 pins		

Ordering Information

Model Name	Description
SP-ETH-01-4	1-port RJ45 10/100Base-TX Ethernet Surge Protector (pin 1,2,3,6)
SP-ETH-01-8	1-port RJ45 10/100Base-TX Ethernet Surge Protector (pin 1,2,3,4,5,6,7,8)
SP-ETH-08	8-Port RJ45 10/100Base-TX Ethernet Surge Protector (pin 1,2,3,4,5,6,7,8)
SP-ETH-16	16-Port RJ45 10/100Base-TX Ethernet Surge Protector (pin 1,2,3,4,5,6,7,8)
SP-ETH-24	24-Port RJ45 10/100Base-TX Ethernet Surge Protector (pin 1,2,3,4,5,6,7,8)

Port Number
SP - ETH - □□ - □□
Example: SP - ETH - 01 - 4

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.