

Surge Protector

SP-SE-R01-8, SP-SE-R08-8

SP-RE-R16-8, SP-RE-R24-8

Ethernet Surge Protectors

The RJ45 type 10/100Base-T data line protection devices are designed for basic and fine protection of information-based systems from surges as caused by atmospheric discharges (lightning) or by capacitive or inductive interferences. Incoming surges are limited by transorb diodes. Powerful gas diverters are used for grounding the fine protection devices. Decoupling of the protection module is ensured by the line path between the basic and the fine protection device. The path must have a minimum length of 5 m. The protection modules are directly used on the device to be protected, i.e. at the transition point from the lightning zone 1 to 3 according to Class 2+3, Category C2/IEC 61644-1, draft 98.



Features

- Data line protection : RJ45 10/100Base-T Ethernet
- Fast energy absorption when over-voltages occur
- Compactness
- Low series resistance and minimal capacitance values to preserve the data information

Specifications

Un	5V	
Umax	6.8V	
Lighting discharge current per path	SP-SE-R01-8	In: 0.5KA; Imax: 5KA
	SP-SE-R08-8	
	SP-SE-R16-8	In: 0.25KA; Imax: 5KA
	SP-SE-R24-8	
Protected Cores	SP-SE-R01-8	1 — 8 pins
	SP-SE-R08-8	
	SP-SE-R16-8	
	SP-SE-R24-8	
Attenuation in dB	< 0.5dB (100MHz)	
TA	< 10ns	
Series Capacity	40 PF	
Dimensions	SP-SE-R01-8	55mm x 85mm x 24mm
	SP-SE-R08-8	143mm x 73mm x 44mm
	SP-SE-R16-8	480mm x 73mm x 44mm
	SP-SE-R24-8	
Weight	SP-SE-R01-8	75g
	SP-SE-R08-8	435g
	SP-SE-R16-8	1.38kg
	SP-SE-R24-8	1.38kg
Compliance	IEC 61644-1, draft 98	

Ordering Info

SP-SE-R01-8	Standalone Type Ethernet 10/100Base-T, RJ45 1 Port Ethernet Surge Protector
SP-SE-R08-8	Standalone Type Ethernet 10/100Base-T, RJ45 8 Ports Ethernet Surge Protector
SP-RE-R16-8	Rack Type Ethernet 10/100Base-T, RJ45 16 Ports Ethernet Surge Protector
SP-RE-R24-8	Rack Type Ethernet 10/100Base-T, RJ45 24 Ports Ethernet Surge Protector