

Indoor Ethernet Surge protection for POE

This surge protector is designed to protect sensitive data-processing equipment connected to a POE (Power over Ethernet) network from transient overvoltages. It is housed in a shielded enclosure with high quality RJ45 shielded jacks. The transient protection circuit is based on high energy gas discharge tubes (GDT) and a network of fast response silicon avalanche diodes (SAD) to achieve sharp clamping of very large surge events, up to 2kA Line/Ground nominal discharge current.

It can either be mounted using flange, screw lug or DIN Rail.



Specifications

Network	Gigabit Ethernet (Cat.5E)
Connection to Network	RJ45 shielded connectors female input/output
Nominal line voltage	48 Vdc
Max. DC operating voltage	60 Vdc
Max. load current	2000 mA
Protection level <i>@ In (8/20μs)</i>	70V
Protection level L/N <i>@ In (8/20μs)</i>	70V
Protection level L/PE <i>@ In (8/20μs)</i>	70V
Max. shunt capacitance	< 25 pF
Impulse current <i>2 x 10/350μs Test - D1 Category</i>	500A
Line/Line Nominal discharge current <i>8/20μs Test x 10 - C2 Category</i>	500A
Line/Ground Nominal discharge current <i>8/20μs Test x 10 - C2 Category</i>	2000A
Max. data rate	1000 Mbps
Max. frequency	> 100 MHz
Insertion loss	< 1 dB
SPD configuration	8 wires + shielded
Format	Aluminium box
Mounting	Flange, Screw lug, DIN Rail
Operating temperature	-40/+85°C
Protection rating	IP20
Disconnection indicator	transmission interrupt
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497 B IEEE 802-3af/3at/3bt

Manufacturer name: Citel
 Manufacturer reference: MJ8-POE
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