HyperLink Wireless Brand Indoor DIN 3 Rail Mount 10/100 Base-T Shielded CAT5e Lightning Surge Protector – Model: HGLND-CAT5EJW

Applications

- IP, network or web cameras
- 10/100 Base-T networks
- VoIP telephone
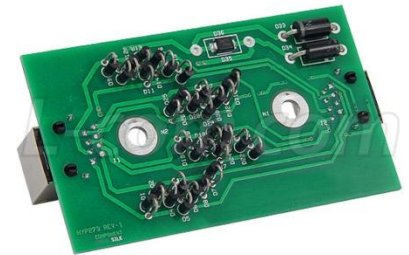- Wireless access points, servers and routers

Features

- DIN 3 rail mountable
- 10/100 Base-T CAT5e protection
- CAT5 and CAT5e compatible
- Supports PoE mode A and B for power
- Industrial grade cast aluminum construction with shielded RJ-45 jacks

Description

The HGLND-CAT5EJW DIN mountable 3-stage lightning protector provides superior lightning and surge protection for indoor and outdoor 10/100 Base-T Ethernet networks. Also compatible with Power-over-Ethernet (PoE) devices, this unit provides protection to both Ethernet data pairs as well as the PoE DC power feed. The HGLND-CAT5EJW is compatible with Wireless Access Points, Access Servers and Routers, with or without Power-over-Ethernet (PoE) functionality.

The unit features a low capacitance diode array that can withstand large surge currents. The design utilizes a Thyristor diode which switches to a low impedance state once triggered. This offers superior power handling capability compared to TVS or Zener diode based designs. The limits are +/- 58 volts on the four cable pairs.

EMI Noise Suppression

The HGLND-CAT5EJW features shielded RJ45 jacks. This along with the metal housing helps reduce the effects of EMI interference. A ground lug and terminal is provided directly on the lightning protector housing, providing superior grounding. A second ground and terminal is provided for strapping multiple units together.

DIN Rail Mountable

This unit can be mounted to a DIN 3 rail using the DIN mounting clip located on the rear of the unit.

Specifications

Mechanical Specifications

Enclosure Material	Cast Aluminum
Grounding Lug	(2) 12 AWG Max.
DIN Mounting Clip	DIN 3 Rail
Operating Temperature	-40 C (-40 F) to +80 C (+176 F)
Weight	.38 lbs. (.17 kg)
Dimensions (WxHxL)	4.5 x 2.5 x 1.5 (inches) 114.3 x 63.5 x 38.1 (mm)
RoHS Compliant	Yes

Electrical Specifications

Ethernet Connectors	(2) Shielded RJ45 Jack
Data Lines	Pair 1: Pins 1 and 2 Pair 2: Pins 3 and 6
Data Clamping Voltage	+/- 58 Volts
Spare pins/PoE Power	Pin 4 Pin 5 Pin 7 Pin 8
Spare pins/PoE Clamping Voltage	+/- 58 Volts
PoE Mode Support	Mode A and B for power

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