Indoor 2-Port CAT6 10/100/1000 Base-T Lightning and Surge Protector
Model: CMSP-CAT6-2

Applications

- 10/100/1000 Base-T Ethernet equipment
- Wireless access points and bridges
- Network appliances and switches
- CCTV IP cameras

Features

- Protects 2 Ethernet lines
- 802.3af compatible
- Supports shielded CAT6 cable
- Field replaceable modules

Description

The CMSP-CAT6-2 Surge Protector provides surge protection for up to two Ethernet lines using 10/100/1000 data rates. The use of ultra-low capacitance diodes ensures superior high frequency response and improved return loss for the four data pairs on each line under surge protection. The unit is 802.3af Power over Ethernet, Power-over-Ethernet (PoE) compatible for normal or reverse polarity systems.

The rugged aluminum chassis can be wall or shelf mounted. Mounting holes are provided on the unit. The individual protector modules are field replaceable.
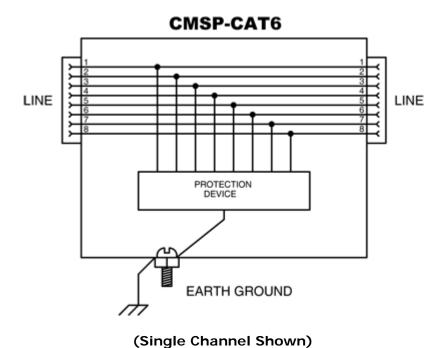
Specifications

Electrical Specifications

Ethernet Shielded Connectors	2 Circuits of (2) RJ45 Jack Pairs
Clamping Voltage Per Jack Pair	Line – Ground: 65 Volts Line – Line: 65 Volts
Data Line Impedance Per Jack Pair	100 Ohms Balanced
CAT6 Data Lines Per Jack Pair	Pair 1: Pins 1 and 2 Pair 2: Pins 3 and 6 Pair 3: Pins 4 and 5 Pair 4: Pins 7 and 8

Mechanical Specifications

Chassis Material	Aluminum
Ground Lug	10 AWG Max.
Operating Temperature	-40°C to +80°C (-40°F to +176°F)
Weight	0.3 lbs (0.13kg)
Dimensions	4.2 x 3.1 x 1.25 in (106.7 x 79 x 31.8mm)
RoHS Compliant	Yes

Circuit Schematic

(Single Channel Shown)