Connectors
This 1000 Mbps Ethernet Surge Protector-Suppressor-Arrestor is a direct cross for the APC PNET6TR; however, this unit but is much more robust because of the shielded RJ45 jacks for industrial grounding/bonding and less loading for the long GigE circuits and greater protection from surges.

Specifications

Electrical Specifications
Connector Style: RJ-45, Shielded, CAT5/6
Data Rate: 10, 100, 1000 Mbps
Protected Pins: (1,2), (3,5), (4,5), (7,8)
Unprotected Pins: None
Peak Current per Telcordia GR-1089: 0.50 kAmps
Attenuation: 2dB @ 1000Mhz
NEXT Increase: 0.3dB
Return Loss Decrease: 0.5dB
Clamping Voltage: Data Circuits – 68 volts
Data Line Protection: RJ45 10/100/1000 Base-T Ethernet Protection

Mechanical Specifications
Height: 1.76 inches
Width: 3.2 inches
Net Weight: 0.039 lbs
UL 497B components used throughout

Environmental Specifications:
Operating/Storage Temperature: -40°C to +65°C
Relative Humidity: 99% (non condensing)

Where a number of GigE devices are colocated becomes an ideal application for this Ethernet Surge Protector as a result of the 1RU size. The HV version supports 802.3af modes A and B. Shielded RJ45 jacks provide grounds and bonding to shielded plugs and shielded cables.

Shielded Connectors

This 1000 Mbps Ethernet Surge Protector-Suppressor-Arrestor is ideal for the NOC because of the small form factor. Both solid state surge components as well as a Gas Discharge Tube allow it to protect CAT5/6 circuits like no other

Proven Circuit
The proven and popular 444SS GDT/Avalanche Diode parallel hybrid design is what puts this circuit ahead of the others. (See ITU-T K.99)

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