



SLT CAT6 POE

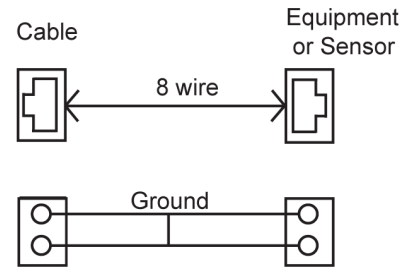
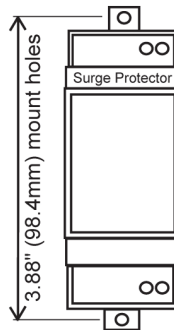
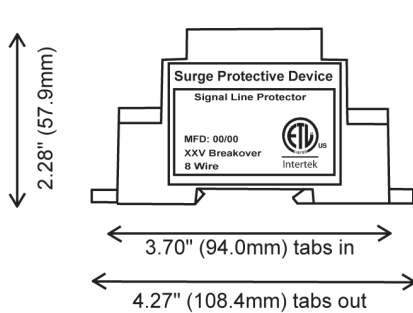
10/100/1000 Surge Protection Device

The **SLT Series CAT6 POE** utilizes **State-of-the-Art Avalanche Diode Technology** to provide fast clamping and high energy handling capability.

Unit provides protection against Transient Voltages that exceed the nominal operating voltage of incoming data. Each line is protected against surge impulses up to 400A.

The SLT device works in series with the communication lines being protected; diverting harmful transient energies, while maintaining a tight clamp at the peak voltage. Units are designed to operate in a wide temperature range and are configured for 10/100/1000 Ethernet data or similar protocol.

- Protects CAT6 data lines with $\leq 1000\text{Mbps}$ & $\leq 250\text{MHz}$
- Solid state fail-safe design
- Low shunt capacitance to reduce signal loss
- RJ45 (female to female) Connection Method
- Performance tested to verify compliance



(Diagrams not drawn to scale)

Electrical Specifications	
Maximum Peak Surge Current 8 x 20 μ s	200 Amps
Peak Pulse Power	1500 Watts Min.
Maximum Clamping Voltage at Ipp of 16.5 Amps	92 Volts
Line - Load Sensitive	No
Response Time	< 1 Nanosecond
Breakover Voltage: (Line - Ground)	68 Volts
Attenuation Margin	.3db @ 176MHz
NEXT	>40dB
Data Transfer Rate	10/100/1000Mbps
Power Sum NEXT	47.8dB @ 248MHz
Return Loss	34.8dB @ 38MHz
ACR	Worse Case 17.0dB
Power Sum ACR	Worse Case 14.9dB
ARC -F	27.4dB @ 245MHz
PSACRF	>38dB

Mechanical Specifications	
Weight	60 grams (2.1 Ounces)
Connector Type	8P8C (RJ45)
Mounting	35mm DIN or panel mount via 2 integrated tabs that accept up to #6 sized screws
Enclosure	Polycarbonate

Environmental Specifications	
Operating Temperature	-34°C to 74°C (-30°F to 165°F)
Relative Humidity	95% noncondensing

NOTE: Installation is accomplished by simply inserting the Protector in series with the communication cable(s) and connecting the grounds as required.

All product dimensions provided are ± 0.125

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