

# 1000BASE-T PoE+ LAN Protector

Part Number: **LAN-CAT5e-P+ II**



**Features:**

- Gigabit Ethernet / LAN Protector Against Lightning and Other Over Voltage Surges
- Meets IEC 61643-21, 61000-4-5 Category C2 & D1 Impulse Requirements
- For Power Over Ethernet Plus (PoE+) Applications
- High Speed 1000BASE-T (1000Mbps Data Rate)
- Backwards Compatible with 100BASE-TX and 10BASE-T
- CAT5 and CAT5e Compatible
- All Pins Individually Protected
- 35mm DIN Rail or Surface Mountable

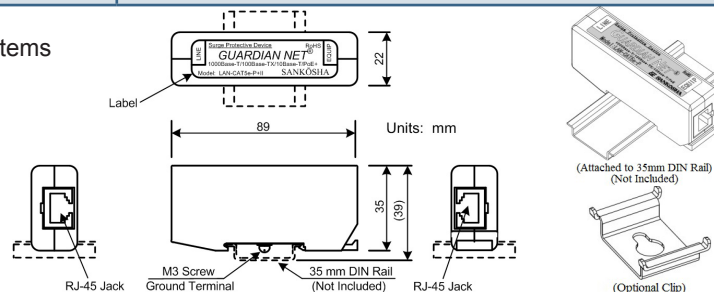


RoHS Compliant and UL 497B Listed (File E140906)

Electrical Characteristics	
Data Rates / Protocols	1000BASE-T (GbE) (IEEE 802.3ab) 100BASE-TX (IEEE 802.3u) 10BASE-T (IEEE 802.3i) PoE (Power Over Ethernet - IEEE802.3af - Alternative A & B) PoE+ (Power Over Ethernet Plus - IEEE802.3at - Alternative A & B)
Frequency Range	DC to 100MHz
Attenuation	< 1.0dB (DC to 100MHz)
Crosstalk Attenuation	> 30dB (Between each line)
Maximum Continuous Operating Voltage	60V <sub>DC</sub> (PoE - between line and line) ; 30V <sub>DC</sub> (Between each line and Earth)
Current Rating (I <sub>n</sub> )	600mA
Technology Type	Gas Discharge Tube
DC Breakdown Voltage	180-300V (100V/s) (Between each line and Earth)
Impulse Voltage Protection Level (U <sub>p</sub> )	≤ 500V (1.2/50us 10kV) (Between each line and Earth)
Impulse Durability	IEC 61643-21 Cat. C2 (8/20us): 5kA (10 times) IEC 61643-21 Cat. D1 (10/350us): 2.5kA (2 times)
Mechanical Characteristics	
Connector Type	RJ45 (8P8C - 8 position 8 contact)
Mounting Method	35mm DIN Rail, Surface, or Clip (optional)
Grounding	External Grounding Thru DIN Rail or M3 Screw
Weight	55g (1.94oz)
Case Material	ABS Plastic, UL94 V-0 Flame Rating
Environmental Characteristics	
Operating Temperature Range	-35°C to +60°C (-31°F to 140°F)
Relative Humidity	≤ 90% non-condensing

**Applications:**

- Power Over Ethernet Plus (PoE+) Systems
- Remote Networking Equipment
- Routers and Access Points
- IP Phone Systems
- Office and Home Networks
- Security Camera Systems
- WiMax Systems
- GigE Data Lines
- Video Streaming Systems



SANKOSHA

SANKOSHA