

## RJ45 Surge Protection



Protect device from over voltage , All modes protection. Design for outdoor use. UTP Cat5, 5e, Cat6 compatible.

### Order Information

RJ45 Surge Protection                      NVSP-001

### Feature

- Surge protection for PoE+ & Gigabit Ethernet networks
- 10/100/1000 Mbps data rate
- Discharge capability of 10 KA
- PoE Surge Protection 4KV
- Protects all 4 pairs
- POE+ (IEEE802.3af/at) compatible input up to 60VDC / 720mA
- Two shield RJ-45 for line (input) and protected device (output)
- Max Transient Surge Current 50A @10/1000  $\mu$ Sec
- Discharge Tubes (GDT) and bi-directional Transient, Voltage Suppressing (TVS) Array, as well as Polymeric, Positive Temperature Coefficient (PPTC)
- Support Grounding System
- High insulation resistance
- Din Rail
- 12 centimeters Ethernet patch cord for connect to protect device

Specification

Parameter	Specifications
Clamping voltage	Line-Line: 2.8 Volts Line-Ground: 72 Volts
POE+ Maximum input voltage	60 Volts / 720 mA.
Nominal discharge currents - Line-Line - Line-Ground	< 25A @ 8/20s 10KA @ 8/20s (10 times, 5 times each polar)
Response time - Line-Line - Line-Ground	< 1 ns. < 10 ns.
Voltage protection level Up	1.3 kV
Minimum insulation resistance	10 GΩ
Peak pulse current (10/1000us) per CORE 1089	100A
Protection modes	Line-Line, Line-Ground
Standard connectors	Two RJ-45 female
Case material	UL94V-O , IP66
Ground wire	12 AWG.
Operating temperature	-40°C (-40°F) to +80°C (+176°F)
Operating humidify	0 ~ 95% non-condensing

Standard & Certification

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3x
- IEEE C62.41.1-2002
- ITU-T Rec K12
- FCC Part 15
- CE Class B
- RoHS