



Key Features

The PoE Surge Protective Device features an aluminum alloy enclosure with an attractive appearance, easy installation, and convenient wiring. It is designed for long-term stable operation in harsh environments.

The device is suitable for PoE surveillance cameras and CCTV network systems. It protects connected equipment from lightning strikes, induced overvoltage, overcurrent, and other transient surge voltages.

- IEC 61643-21:2012, EN 61643-11:2012, IEEE C62.41.1-2002, ITU-T L.21, IEC 61000-4-5, IEEE 802.3at, ANSI/UL 1449, CSA C22.2 FCC, and CE (Class B)
- Transmission 10/100/1000 Base-T 10G Gigabit Ethernet network
- PoE / PoE+ (Mode B) RJ45 Network Surge Protective Device
- Fast response time, low residual voltage.
- Composite SPD apply
- Protection Level IP20

Specification



4N-RJ45*6KV/E100

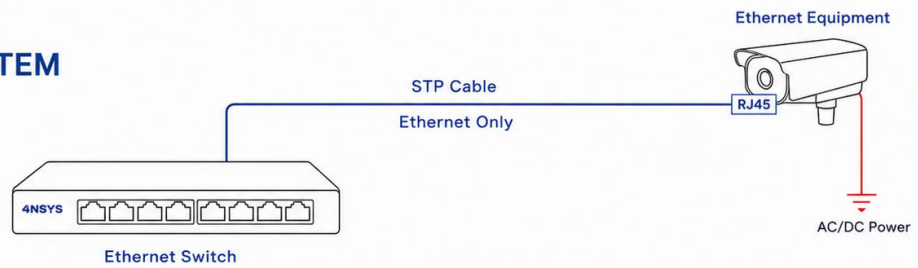
Max operating voltage (Un) pin1-2,3-6 /pin4-5,6-7	6KV
Max. voltage operating level (UC) pin1-2,3-6 /pin4-5,6-7	< 50 V at 1 kv / 1kV / μ sec / < 100 V at 1 kv / 1kV / μ sec
Transient surge current (In @8/20 μ s) pin1-2,3-6	1.5kA
Clamping voltage pin1-2,3-6	12 V $\pm$ 25% at current > 100 mA 50 Hz
TOVs surge current pin1-2,3-6	>500 mA 50 Hz in 5 Sec
Let through voltage	<14 V (due to TOVs surge current)
Data Rate	10/100/1000Mbps
Bandwidth (3db) per pair	>250MHz
Insertion Loss	<0.5dB @100MHz
Protective Element	GDT
Voltage Breakdown Range, Vdc @ 100 V/s	188 (L-L) / 72-108(L-G)
Impulse Voltage Range, Vdc @ 100 V/ μ s	<1000
Response Time (tA)	<100ns (line-GND/PE)
Connection mode (input/output)	RJ45 / RJ45
Temperature Range	- 40° to 176°F (-40° to 80°C
Relative Humidity	0% to 95% noncondensing
Maximum Operating Altitude	10,000 feet (3000m)
Cross-sectional area of earth lead	3mm ² multistranded / flexible
Stripping Length Contacts	>0.25inches (6-7mm)
Terminal Screw Torque	Max. 0.25Nm
Protection Rating (IP Code)	IP 20
Surge Life at 0.5kA (8/20 μ s)	>2000 events
DIN Rail EN60715	35mm top-hat rail
Housing Material	Aluminum Alloy
Net Weight Per Unit	0.16Lb (71g)
Product Dimension (W×D×H)	(90mm×36mm×62mm)

Application

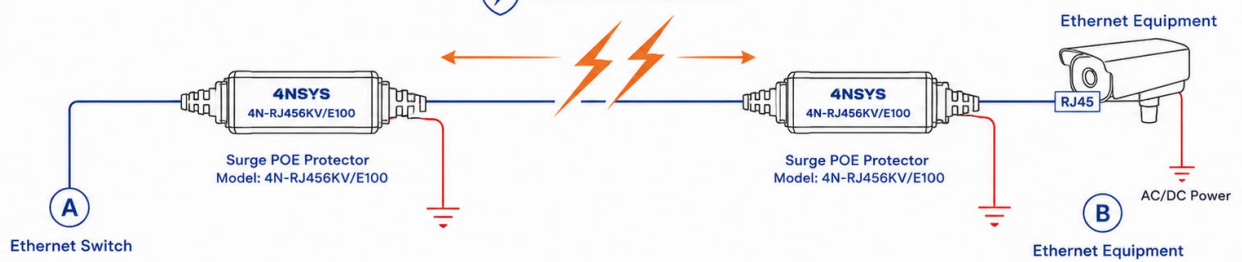
4NSYS

ETHERNET SYSTEM

- Ethernet Data (RJ45)
- Power (PoE / AC-DC)



SURGE PROTECTION



 Surge Protection
Up to 6kV

 10/100/1000 Mbps
Gigabit Ethernet

 PoE / PoE+ / PoE++
Compatible

 Protects Network
Equipment

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