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Connecting. Converting. Leading !

Single Port PoE Surge Protector, Model SP PR10G

Introduction



SP PR10G is a single port PoE surge protector, with 1 input port and 1 output port, support 8 lines network signals and PoE Surge protection. It is designed to handle differential mode surge voltage (8/20us) 4KV and Common mode surge voltage (8/20us) 6KV, and support 100/1000Mbps.

It is compliant with IEEE802.3af/at/PoE++ standard and protects PoE switch and Midspan devices effectively against surge damage. SP PoE PR10G is designed for indoor use.

Key Features

- 8 lines surge protection
- Indoor use
- Support 60W PoE++ standards
- Easy installation with 2 side holes

Standards

IEEE802.3 10Base-T Ethernet

IEEE802.3u 100Base-Tx Fast Ethernet

IEEE802.3ab 1000Base-T Gigabit Ethernet

Support PoE with IEEE802.3af/IEEE802.3at standards

PoE Electrical Specifications

Ports	: 1, RJ45
Data Rates	: 10/100/1000Mbps
Operating Voltage	: 44 to 57VDC
Lines protected	: 1,2,3,6 / 4,5,7,8
Insertion Loss	: ≤ 0.5 dB
Response Time	: ≤ 5 ns

Protection Details

4 Protection methods :

Gas discharge tube, Voltage Dependent Resistor

Transient Voltage Suppressors, Electro-Static-Discharge

Differential Mode Surge Voltage (L-L,8/20us)	: 4KV
Breakdown Voltage (4,5-7,8) & (3,6-1,2)	: 90-180VDC
Common Mode Surge Voltage (L-E, 8/20us)	: 6KV
Breakdown Voltage (8 lines-earth)	: 70-120VDC
Operating Current	: 1.36A
Max Surge Current	: 20KA

MTBF :200,000 @25°C

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Mechanicals

Dimension : 156mm X 53mm X 38mm
Weight : 180g
Metal enclosure

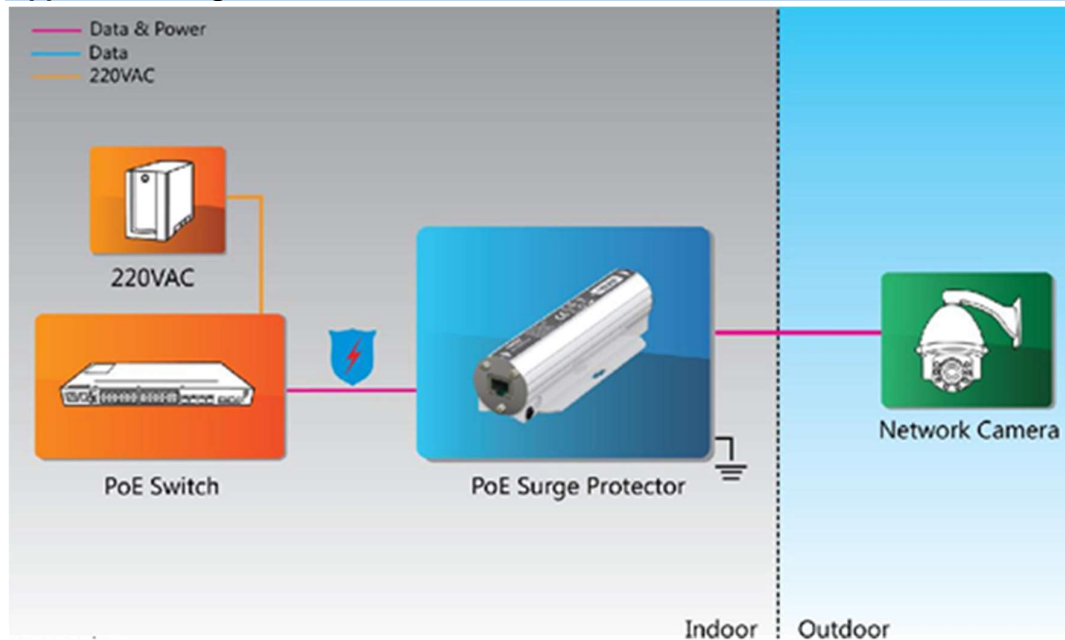


Environmental Conditions

Operating Temperature : -40°C to 85°C
Operating Humidity : Maximum 90%, Non-condensing



Application Diagram



Product Ordering Code: SP PR10G 60W

SP PR10G : 1 Port Giga PoE Surge Protector
60W : PoE ++ Standard