San Telequip (P) Ltd.,
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Single Port PoE Surge Protector, Model SP PR10G 60W

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   : ≤0.5dB
Response Time   : ≤5ns

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
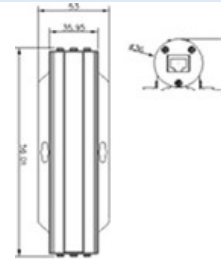
MTBF   :200,000 @25ºC

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Mechanicals

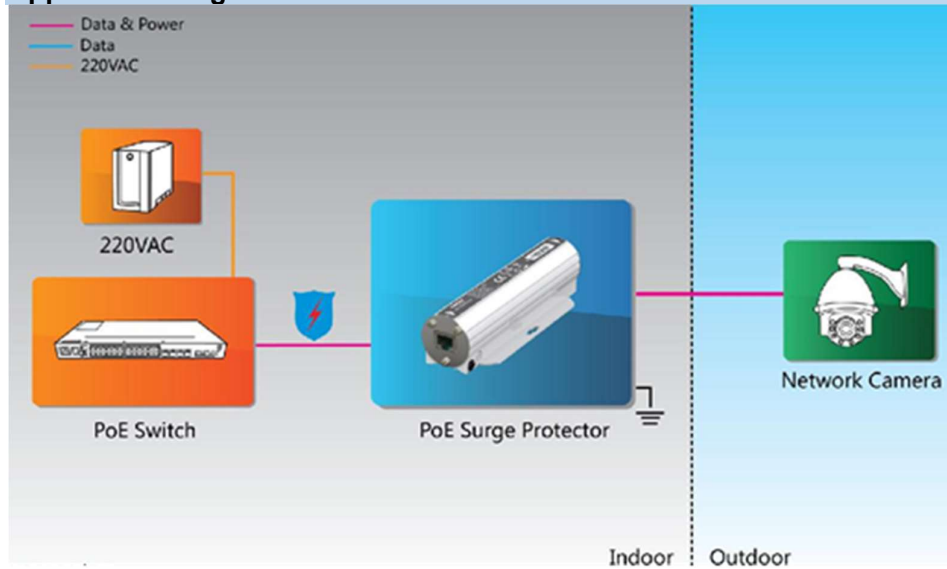Dimension   : 156mm X 53mm X 38mm
Weight   : 180g
Metal enclosure

Environmental Conditions

Operating Temperature   : -40ºC to 85ºC
Operating Humidity   : Maximum90%, Non-condensing

Application Diagram

Product Ordering Code: SP PR10G 60W

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