POWER ACCESSORIES

Outdoor POE Surge Protector

Model SPP56-O

Overview

This PoE Surge Protector is designed to protect Ethernet and PoE devices in outdoor and industrial environments. Built with high-quality components and an advanced circuit design, it ensures stable and reliable performance. It provides dual protection for both data and power lines, effectively preventing damage caused by lightning strikes, ESD, and voltage surges. Ideal for IP cameras, wireless bridges, access points, and other PoE devices in surveillance and networking systems.

Features

- Multi-protection circuits with Gas Discharge Tube (GDT) and TVS technology
- TVS array technology with low capacitance for high-speed signal transmission
- IP65-rated enclosure for full outdoor operation
- Compact size for easy installation and flexible deployment
- Dual protection design for both common-mode and differential-mode surges
- Multi-strike surge protection capability for enhanced reliability
- 100% shielding design with anti-explosion and waterproof protection

Specification

MAXSOL United Kingdom

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Electrical Parameter (Network & Power)

Nominal operating voltage Un	56V
Max. continuous operating voltage Uc	65V
Nominal discharge current (8/20μs), In	5kV/2.5kA
Max. discharge current (8/20μs), Imax	5kV

Limiting voltage Up

Line-line	≤100V
Line-PE	≤150V
Adapt transmission rate	1000Mbps
Insertion loss	≤0.3dB
Protection line	1-8
Response time Ta	≤1ns
Load current	850mA
Application	10/100/1000BaseT
Impedance in series	≤0.5Ω

Mechanical characteristics

Dimension	155mm*135mm*55mm
Weight per unit	(230±5)g
IP Level	IP65
Wiring(In/Out)	RJ45(Shielding)cable for both
Enclosure material	Stainless steel
Working conditions	Operation temp.: -20 ~ 60℃, Storage temp.: -40 ~ 85℃ Relative humidity: 5% ~ 95%
Standards Compliance	IEC61000, RoHS
Protocol Compliance	802.3af
Installation place	Indoor or Outdoor

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