SG-POE6-A
RJ45 Data Protection Module

FEATURES

- High Surge Current Rating
- 802.3af/at Power-Over-Ethernet (POE, POE+)
- All 4 pairs UTP CAT5E/CAT6 Compatible
- Multi-staged Hybrid Design
- Fast Response
- Low residual voltage
- Dual protection in common mode and different mode
- TVS array technology, low capacitance
- DIN Rail support
- Easy to Installation

DESCRIPTIONS

Shogun's surge protection device for digital data line, SG-POE6-A, is designed to protect networking systems and digital communication systems using switches, routers, modems etc. The design is based on the principle of current limiting as well as voltage clamping and stabilizing. This product is fully compatible with standard IEEE 802.3af/at Power-Over-Ethernet (POE, POE+) devices and Gigabit CAT6 Ethernet networks. It provides protection to both the ethernet data pairs as well as the POE DC power feed.

SPECIFICATIONS

Interface

Interface port type (IN/OUT) : RJ45 (Female/Female)
Standard reference : IEC 61643-21:2002, IEC 61000-4-5, ANSI/IEEE 802.3 af/at (POE and POE+), ITU-T K44, RoHS

Technical

Nominal voltage (Un) : 48Vdc
Max. operating voltage (Uc) : 60Vdc
Max. discharge current (8/20µs) : 5kA
Protection level
 - Common mode ≥ 10 kV (10/700µs)
 - Differential mode ≥ 1 kV (10/700µs)
Transmission rate (bit/s) : 10/100/1000 Mbps
Insertion loss : ≤ 1dB @ 10/100 MHz
Return Loss : -20dB @ 10/100 MHz
Response time : ≤ 1ns
Protected mode (pins) : 1-8

Physical

Operating temperature : - 40 to 85 C
Housing material : Thermoplastic, UL94 V-0
Degree of protection : IP20
Mounting on : DIN rail 35mm
Dimensions (W x H x D) mm : 25 x 52 x 78
Weight : 83g

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