



# SHOGUN

## SG-POE6-A

### RJ45 Data Protection Module



#### FEATURES

- High Surge Current Rating
- 802.3af/at Power-Over-Ethernet (POE)
- 10/100/1000 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) devices and 10/100/1000 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, EN 61643-21:2002, ANSI/IEEE 802.3 af/at (POE), ITU-T K44, RoHS

##### Technical

Nominal voltage (Un) : 48Vdc

Max. operating voltage (Uc) : 60Vdc

Max. discharge current (8/20μs) : 5kA

Protection level (Up) @6kV, 10/700μs : ≤ 150V

Protection level (Up) @3kA, 8/20μs : ≤ 150V

Transmission rate (bit/s) : 10/100/1000 CAT6

Insertion loss : ≤ 0.5dB

Response time : ≤ 1ns

Protected mode (pins) : 1-8

##### Physical

Ambient 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