

SG-RJ45-PoE

RJ-45 Data Protection Module



Functions

- High Surge Current Rating
- 802.3af/at Power-Over-Ethernet (PoE) compatible
- 10/100 Base-T CAT5/5E/6 protection
- Multi-staged Hybrid Design
- Fast Response
- Low residual voltage
- Long lifetime even in adverse conditions
- Easy to Installation

Overview

Shogun's surge protection device for digital data line, SG-RJ45-PoE, 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 devices and 10/100 Base-T Ethernet networks. It provides Line-Line & Line-Ground protection and also both the Ethernet data pairs as well as the PoE DC power feed.

Specifications

Design & Structural :

- Multi-Stages Hybrid Design incorporated with high energy handling and Fast Response Phase Control SP circuit.
- Metal Housing

Interface Characteristic :

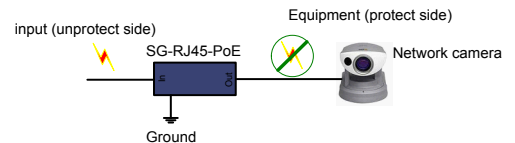
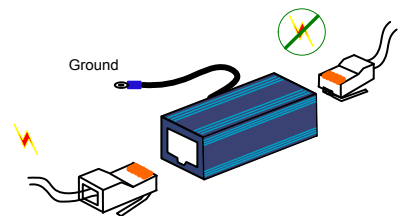
- Interface port type : RJ45 female/female
- Standard reference : IEC 61643-21-2000, ANSI/IEEE C62.41-1991, ANSI/IEEE 802.3af PoE ITU-K series

Technical data :

- Operating voltage (1,2, 3,6): 12Vdc
- Operating voltage (4,5 7,8) : 48Vdc
- Max. discharge current (8/20 μ s) : 5 kA
- Clamping voltage (1,2 3,6) : ≤ 15 Vdc
- Clamping voltage (4,5 7,8) : ≤ 58 Vdc
- Residual voltage (10/700 μ s) : ≤ 12 V
- Adapt transmission rate (bit/s) : 10/100M
- Insertion loss : ≤ 0.1 dB
- Response time : ≤ 1 ns
- Protected mode (line) : 1, 2, 3, 6
- Protected mode (PoE) : 4, 5, 7, 8

Physical :

- Dimension (mm) : 40(W) x 85(L) x 25(H)
- Temperature : -20 C to 70 C
- Weight : 98 g.



**INSTALLATION DIAGRAM OF DATA PROTECTOR MODULE
MODEL : SG-RJ45-PoE**