SG-MROS-I(O)
RJ45 Data Line Surge Protector
Power over Ethernet (Mode-B)

FEATURES

> Suitable for telecommunications, data processing, LAN/ Ethernet network, CCTV and network camera
> Designed with very low loss, over voltage, temporary over voltage protection
> Prevents damage to electrical equipment from lightning, lightning strikes.
> All Mode Protection design
> 10/100/1000 Base-T (CAT 5, CAT 5E, CAT 6) Gigabit Ethernet Network Protection
> Standalone, Wall mounting, DIN-rail Mounting or with 1U patch panel (Up to 8 modules) to fit 19-inch rack standard or IP66 weatherproof enclosure for outdoor applicaion (only for outdoor model)
> Easy installation and Maintenance free

SPECIFICATIONS

Description		Specification
Nominal voltage	: Pin 1-2, 3-6	5 Volt
Max. operating voltage	: Pin 1-2, 3-6	6 Volt
Voltage protection level	: Pin 1-2, 3-6	< 45 V at 1 kV / μSec
Clamping voltage	: Pin 1-2, 3-6	8 V ± 25% at current > 100 mA 50 Hz
TOVs surge current	: Pin 1-2, 3-6	> 500 mA 50 Hz in 3 Sec
Let through voltage	: Pin 1-2, 3-6	< 15 V (due to TOVs surge current)
Protected pins		Pin 1-2, 3-6
Unprotected Pins (pass through)		Pin 4-5, 7-8
Transient surge current		50 A @ 10/1000 μSec
Operating temperature		- 20 °C to 70 °C
Data rate		10/100 (CAT5) /1000 (CAT5e) /10G (CAT6) Mbps
Response time		< 10 nSec
Connector type (input / output)		Modular RJ45 (female / female)
Housing material (indoor / outdoor application)		Metal / ABS Plastic (UL94V-0)
Standard according		FCC Class B, CE Class B, IEC 61000-4-5, IEC 61643-21, ITU-T K.21, ANSI/IEEE C62.41.1-2002 and ANSI/IEEE 802.3ab

ORDERING INFORMATION

Outdoor Model
SG-MROS-O

Indoor Model
SG-MROS-I

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