

RSP-05M1

Surge protector PoE LAN for Ethernet networks



PoE surge protector is designed for protecting Gigabit Ethernet and Power over Ethernet (PoE) terminals or RJ45/Ethernet cable system against surges. It is fulfilling the requirements of Category 6 & all version of PoE (PoE+, PoE++), can be universally used for all data services with nominal voltages up to 65V. It is ideally suited for PoE and Gigabit Ethernet application and similar applications in structured cabling systems.

All lines are protected by powerful gas dischargers and fast varistors with TVS diodes.

- Universal single-track surge protector for industrial Ethernet networks and consumer electronics Power over Ethernet in structured cabling systems.
- Installation with transmission cable, grounding via PE cable
- Discharge element - fast varistors with gas discharge tubes and fast TVS diodes.
- Certifications, directives: RoHS,

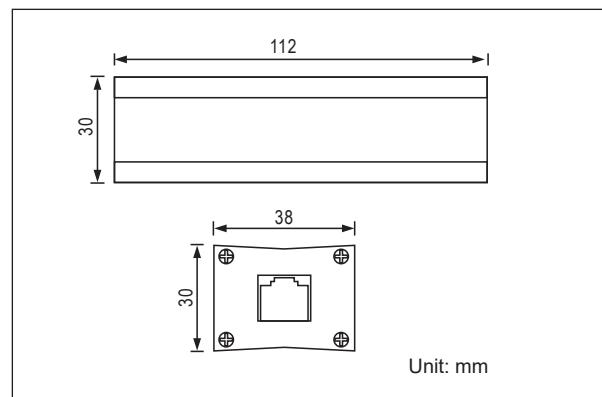
The product uses high-quality components to design an advanced circuit, with a reasonable circuit layout and stable performance; from top to bottom, from overcurrent to overvoltage, full protection is provided.

- Product designed in accordance with IEEE802.3af and 802.3at standards.
- Multi-level protection circuit, low residual voltage, and excellent protection effect.
- Complex SPD used for surge protection of network data cables and Ethernet power cables.

Technical parameters

Max discharge current	x-x 1 kA
Rated current	x-c 2,5 kA
Technology (GDT/TVS/MOV) combined	1,5 A
Nominal voltage	GDT+MOV+TVS
Max. Continuous operating voltage	U _n 48 V DC
Transmission rate	U _c 65 V DC
Limit voltage	bps 100/1000
Category of connection	U _p x-c 500 V
Response time	CAT6, CAT5, CAT5E
Insertion loss	≤ 1ns
Number of slots RJ45	≤ 0.2 dB
Certification according to standards	1
Standards compliance	IEEE802.3af EIA/TIA568B
Dimensions L × W × H / Weight	EIA/TIA568A,B
	112 × 38 × 30 mm / 135 g

Dimensions



Mounting

