


# RSP-05M1

## Surge protector PoE LAN for Ethernet networks



- 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, 

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.

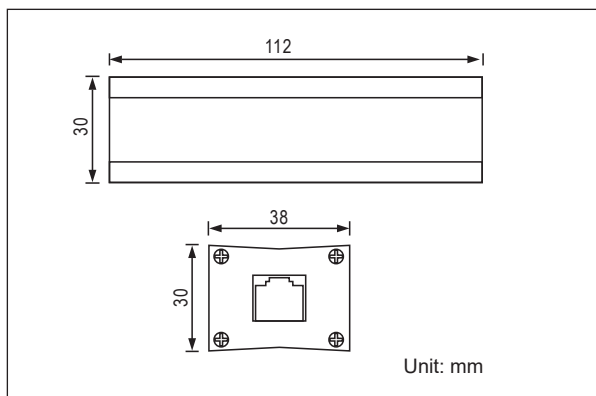
The product uses high-quality components to design an advanced circuit, with a reasonable circuit layout and stable performance; from top to bottom, from overcurrent to overvoltage, full protection is provided.

- 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.

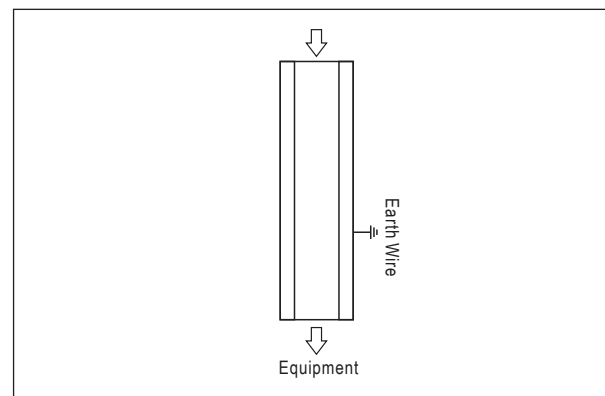
### Technical parameters

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

### Dimensions



### Mounting



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