


RSP-O5M4-W

Surge protector PoE LAN for Ethernet networks



- Universal 4-channel Ethernet surge protector for consumer electronics applications.
- Mounting on flat surfaces and cabinets.
- 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. 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 adopt high-quality components to design advanced circuit, with design layout reasonable and performance stable, from top to bottom, from over current to over-voltage all have made comprehensive protection.

- The product designed according to IEEE802.3af ,and 802.3at standard.
- Adopt multi-level protection circuit, low residual voltage, and excellent protective effect.
- Composite SPD apply to the lightning protection for the network data cable and power supply of the ethernet.

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	U_n	48 V DC
Max. Continuous operating voltage	U_c	65 V DC
Transmission rate	bps	100/1000
Limit voltage	U_p	x-c 500 V
Category of connection		CAT6, CAT5, CAT5E
Response time		$\leq 1\text{ns}$
Insertion lose		$\leq 0.2\text{ dB}$
Number of slots RJ45		4
Certification according to standard		IEEE802.3af EIA/TIA568B
Standards compliance		EIA/TIA568A,B
Dimensions L × W × H / Weight		168 × 114 × 42 mm / 480 g

Basic circuit diagram for one channel RJ45

