



The Series Surge Protector (SSP) for RJ45 Network Lines is designed, fabricated and tested according to the IEC international standards.

With users friendly connections, the product helps prevent damages to computer or network data interface due to transient differences in ground potential, power surges and area lightning strikes. It can be easily installed on network systems without any losses of signal quality.

- Network surge protection against transient voltage induced by interference from various electrical noises, etc. Making use of principle of discharging, clamping and over-voltage filtering, the product can effectively filter high-voltage pulses.
- Core components are selected based on high reliability, multi-level protection and depressed residual voltage.
- Low capacitance design, low insertion loss, excellent transmission performance, fast respond time and long life expectancy.
- Suitable for network systems such as 100/1000M Ethernet web servers, routers, network switches, hubs, computer networks, IP phones, etc.

Technical Specifications

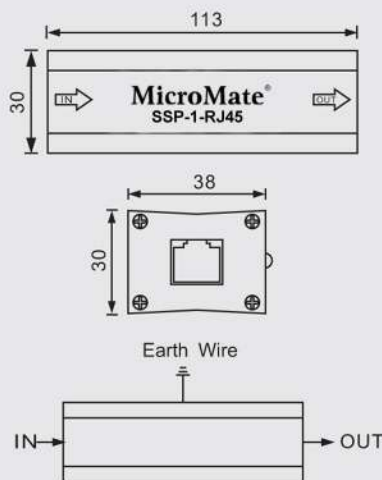
MODEL	SSP-1-RJ45	SSP-4-RJ45	SSP-8-RJ45	SSP-16-RJ45	SSP-24-RJ45
Operating Voltage (Un)	5V				
Rated Current	300mA				
Transmission rate (bit/s)	100/1000M				
Insertion Loss	≤0.2dB				
Nominal Discharge Current (8/20μs) (In)	5KA				
Max. Discharge Current (8/20μs) (Imax.)	10KA				
Voltage Protection Level (Up)	≤15V				
Interface Model	RJ45				
Protected Core Wire	8 Lines				
Quantity of Protected Ports	1	4	8	16	24
Working Environment	Temperature -40°C~70°C; Relative Humidity <90%				
Dimension (W x H x D) mm ³	38 x 113 x 30	76 x 45 x 140	42 x 168 x 114	120 x 60 x 485	120 x 60 x 485
Weight	0.15KG	0.29KG	0.42KG	1.92KG	2.47KG

Note: Due to the policy of continued product improvement, specifications are subject to change without notice.

Product Installation

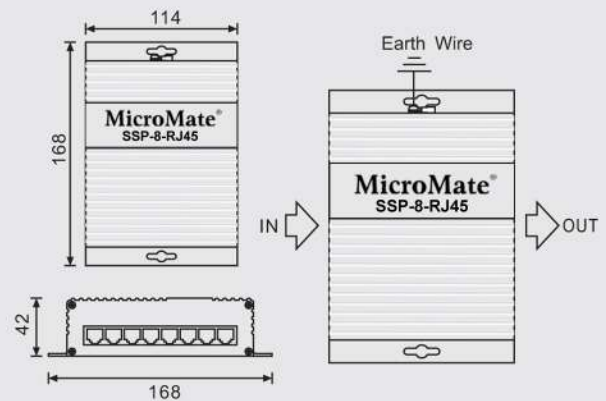
1. The unit is suitable for most RJ45 network system. It is installed in series with the incoming network cable.
2. With reference to the Installation Diagram, connect RJ45 network cable and Earth (PE) in accordance with the markings on the SSP.
3. The recommended sizes for the grounding wire are Grounding cable with $BVR \geq 2.5\text{mm}^2$.
4. The grounding wire should be as short as possible and the grounding resistance should be less than 4Ω in order to meet the lightning protection requirement.

Dimensions and Installation Diagram



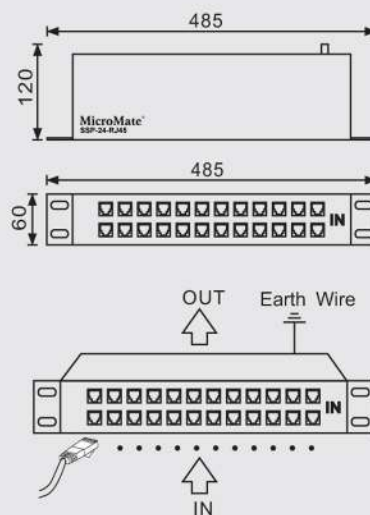
Unit: mm

Dimensions and Installation Diagram



Unit: mm

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Unit: mm