

**DIN-Rail POE Surge Protector
Model Number: SP-005POE/1000**

Product Description:

SP-005POE/1000 is widely used in protecting the devices which support POE power supply. It supports the IEEE 802.3af and 802.3at standard power supply network equipment such as POE cameras, POE injectors, POE switches, etc.



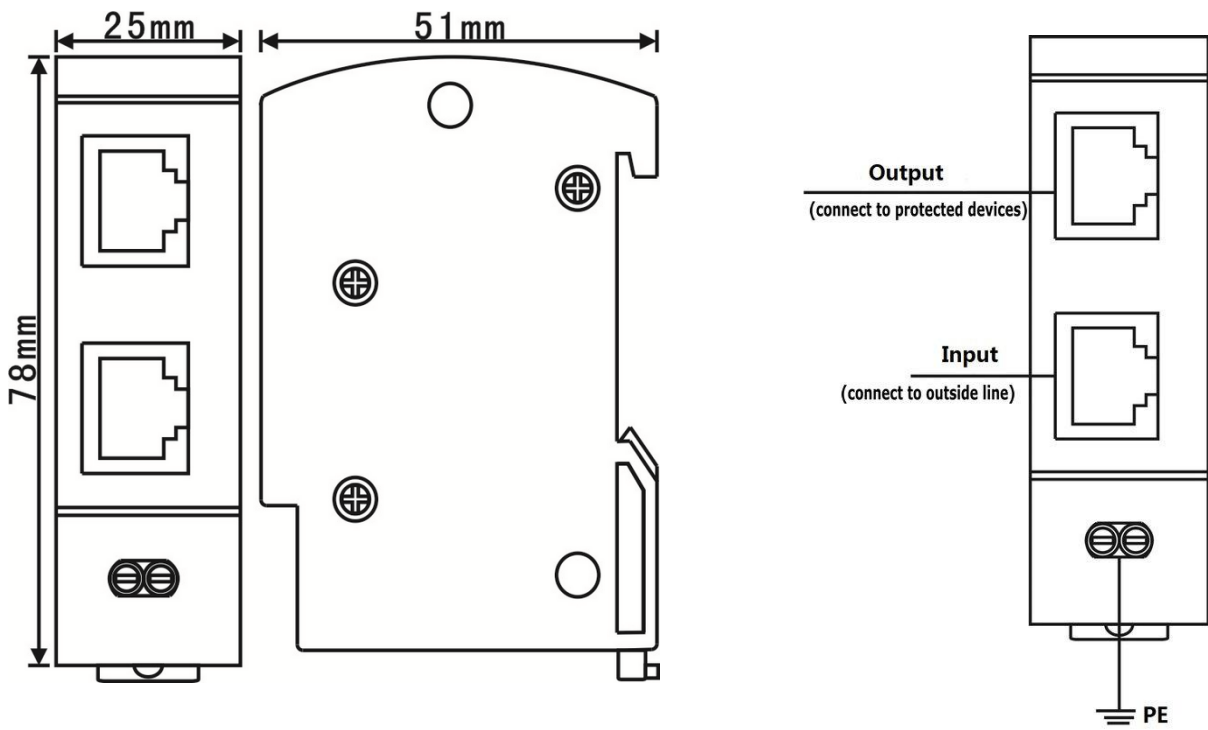
Product Features:

- ◆ Compatible for 10/100/1Gigabit PoE and network
- ◆ Support 1, 2, 3, 6 or 4, 5, 7, 8 power line protected at the same time
- ◆ Reasonable circuit design, very low insertion loss
- ◆ Special signal isolation technology, reduce network devices strike from surge

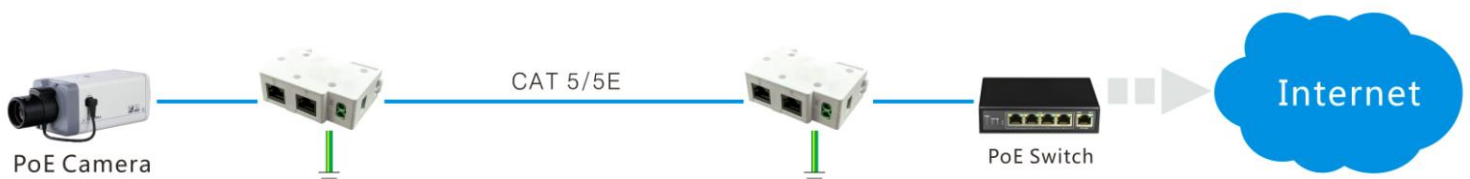
Technical Parameter:

Model No.	SP-005POE/1000	
Interface Type	RJ45	
Protected Signal	Network	Power
Rated Load Voltage Un (V)	5V	48V
Limited Voltage (V)	≤6V	≤60V
Voltage protection level Upx-x(V)	60	400
Response Time (ns)	≤ 1	≤ 25
Max Transmission Rate fg (Mbps)	1000Mbps	
Max Discharge Current	5kA	
Rated Discharge Current In (8/20μs)	2.5kA	
Insert Loss (dB)	≤ 0.2dB	

Product Terminal and Dimension Introduction:



Product Connection Diagram:



Product Installation, Grounding, Testing and Maintenance Tips:

Installation:

1. This product is connected in series and can work without power supply.
2. IN is input terminal and OUT is the output terminal on surge protector. And input terminal connects outside line, output terminal is connected to input of protected devices.
3. Note that this product is installed in dry or water-proof environment.
4. Select the products the same as type of protected device interfaces.

Grounding:

1. Surge protector PE lines must be reliable connection with lightning protection system ground line. Connection line requires shortness, thickness, straightness (4 mm² < our recommendation < 50 mm²).
2. Grounding line and grounding pole connection can adopt screw reinforcement, connectors' fix or soldering. After finishing it, you should take actions of anti-rust and mark prominently grounding mark in key part.
3. Grounding resistance should be as low as possible to ensure a better lightning protection effects (Reference value $\leq 4\Omega$)
4. Grounding pole should belong to the scope of lightning protection special grounding. Mixed connection probably cause signal interference problems.

Testing and Maintenance:

1. Test the surge protector after lightning storm and dry sunny days.
2. Note that test insulation effect of grounding terminal and signal terminal. If the insulation resistance is lower than the required range, you should promptly repair or replace to ensure the safety of equipments.
3. If surge protector shell has erosion, deformation, or grounding line break, you should promptly replace corresponding parts.
4. The non-professional staffs do not disassemble