Model PSP-005POE-RJ45/8-24

24-Ch PoE Surge Protector

Product Datasheet

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PSP-005POE-RJ45/8-24 is 24-channel PoE surge protector. It is widely used for lightning and overvoltage protection, lightning and overvoltage invade into the devices along the network cable in telecom, communication, traffic, petrochemical and industrial control system. It can support IEEE 802.3af/at standard 1000Mbps network devices, such as network switches, server, router, MODEM, PC and so on, it can be directly installed in network cabinet.

Features

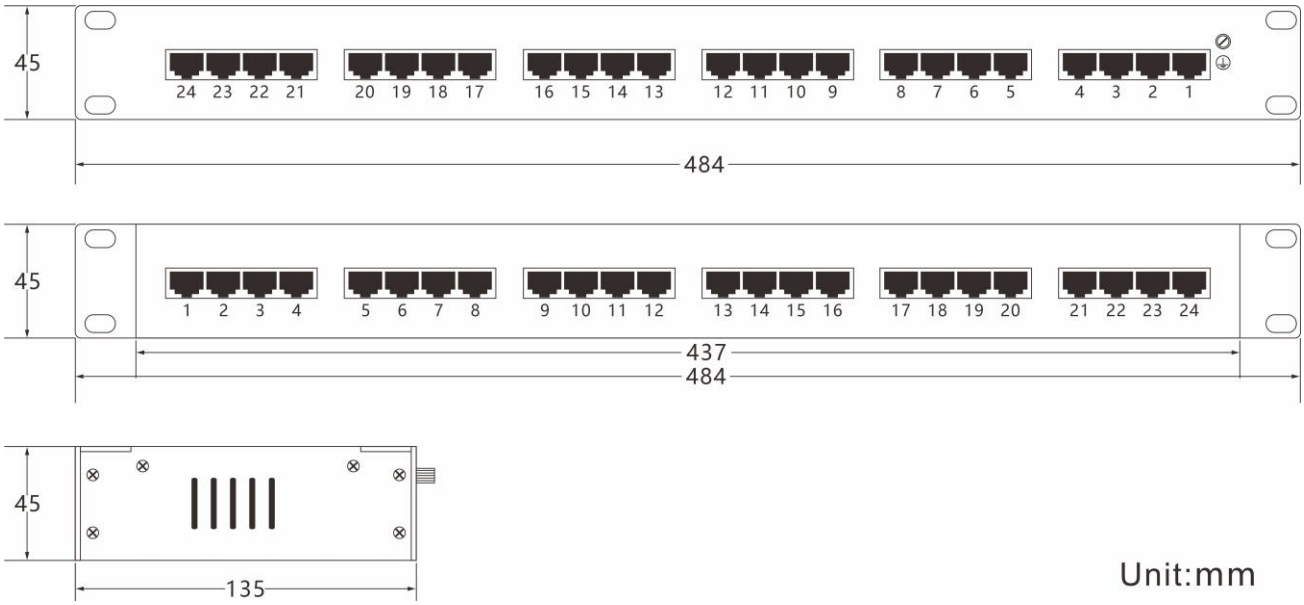
◆Compatible for 10/100/1000Mbps network and power

◆ 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

Dimension

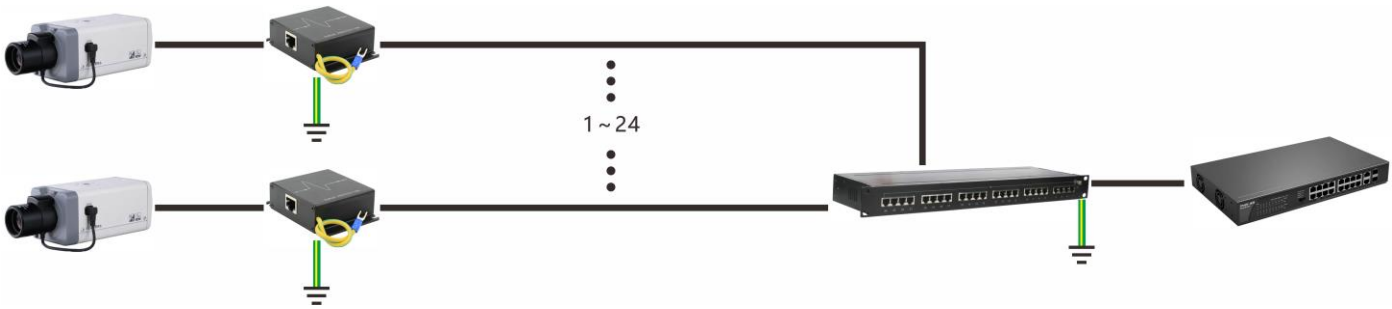


Note: Dimension error value ±1 mm

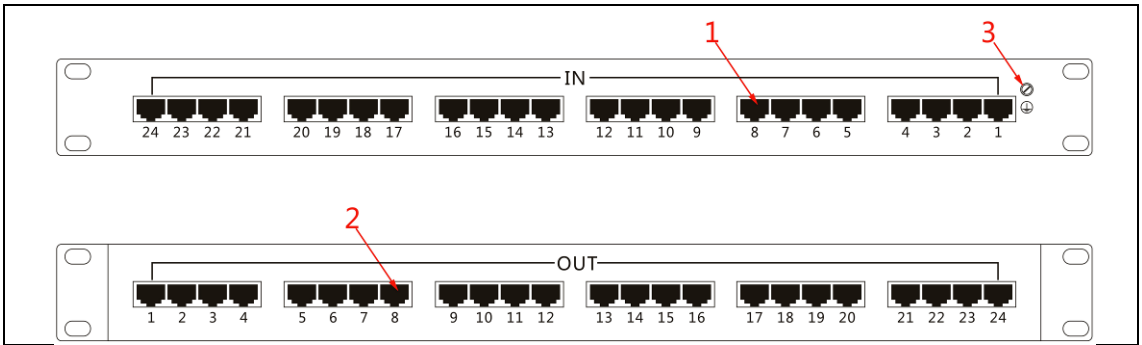
Technical Parameter

Category	Description	
Signal Type	Network	Power
Interface Type	RJ45	
Working Voltage (Un)	6/12V	48V
Max. Continuous Operating Voltage (Uc)	≤20V	≤60V
Voltage protection level (Up @line-line)	20V@ 3kV (1.2/50)	60V@ 3kV (1.2/50)
Voltage protection level (Up @line-GND/PE)	800V@ 3kV (1.2/50)	
Nominal Discharge Current (In @8/20μs)	5kA	
Max. Discharge Current (Imax @8/20μs)	10kA	
Surge Life at 0.5kA (8/20μs)	>2000 events	
Bandwidth (3dB) per pair	250MHz	
Return Loss（100Ω）	-16dB	
Lightning protection	10kV@8/20μs，10kV@10/700μs	
Transmission Rate (Mbps)	1000x24 port	
Response Time (ns)	≤1	≤25
Insert Loss (dB)	≤0.2	
Working Temperature	-40℃~+80℃	
Working Humidity	＜95％ Non-condensation	
Net Weight (kg)	2	

Installation Diagram



Installation Instructions



NO	Step
1	Connect CAT5/6 Cable to IN (1)
2	Connect the protected device of POE network devices and network switches to OUT(2)
3	Connect ground lead (3) to the grounding device