



Model SP-005POE

Gigabit PoE Surge Protector

Product Datasheet



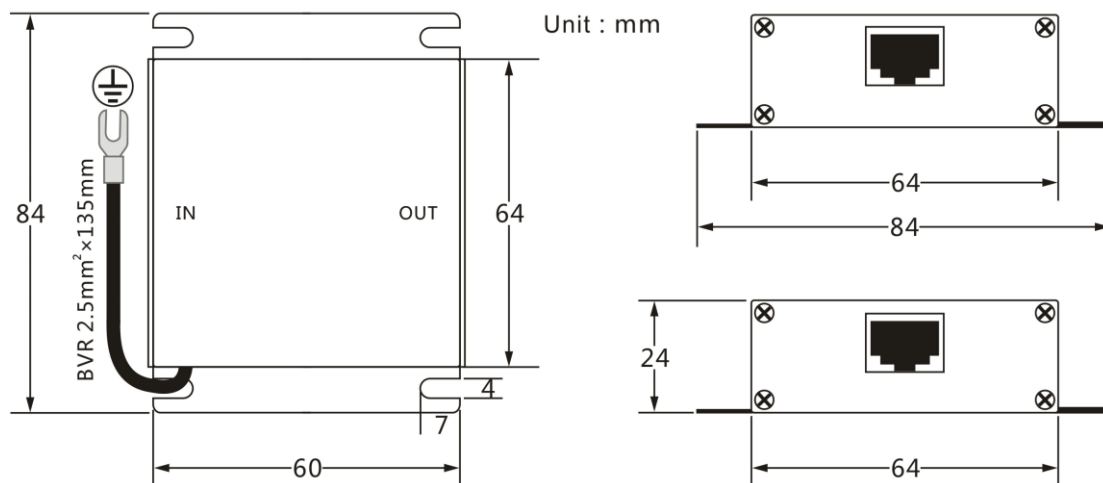
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SP-005POE is Gigabit PoE Surge Protector. It protects PoE cameras, PoE switches, servers, modem, network terminals and other network communication equipment in surveillance systems.

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 surge strike for network devices

Dimension



Note: Dimension error value ± 1 mm

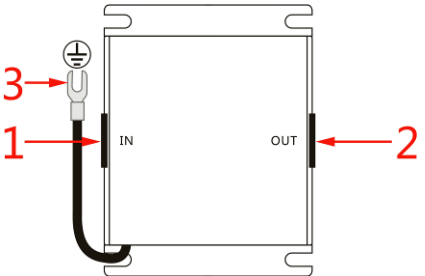
Technical Parameter

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)	1000	
Response Time (ns)	≤1	≤25
Insert Loss (dB)	≤0.2	
Working Temperature	-40℃~+80℃	
Working Humidity	<95% Non-condensation	
Net Weight (g)	120	

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



Shaoxing Ourten Electronics Co., Ltd.

#1 Liando U Valley, No. 1999 Wuxing West Road, Shangyu, Zhejiang, China

Tel: +86-21-5888 9980 (+86-575-8213 7256); Fax: +86-575-8212 7256

Email: sales@ourten.com

www.ourten.com

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