

**SP-ETHPOE100
SP-ETHPOE100-IS**

**SURGE PROTECTOR
ETHERNET 10/100 - POE**



Features :

- lightning and surge protectors for 10/100 Base-T Ethernet and PoE
- three-stage protection
- protected Ethernet pairs 1,2 and 3,6
- protected PoE pairs 1,2-3,6 and 4,5-7,8
- UTP/STP cat.5, 5e compatibility
- compatible with PoE standards 802.3af and 802.3at (30W), mode A,B
- supports passive PoE (4,5-7,8) up to 60V DC or 40V AC
- two models, surge protector EthPoE and EthPoE injector/splitter (-IS)
- mounting hardware options
- CE,RoHS compliant

Applications :

- Ethernet equipments
- wireless systems
- IP camera systems
- UTP/STP cabling systems

SP-ETHPOE100(-IS) provide superior lightning and surge protection for any 10/100 Base-T Ethernet equipments. The three-stage design provides protection for both common and differential mode surges and has low line to line and line to ground capacitance to minimize distortion of Eth signals.

SP-ETHPOE100 model is fully compatible with 802.3af PoE standard and supports both A and B power mode for EthPoE switches and mid-spans. In addition, the unit meets a new standard 802.3at for a high-power PoE (30W). For a non-standard power, any passive PoE (pairs 4,5-7,8) is applicable.

SP-ETHPOE100-IS model provides surge protected injector or splitter for a both sides of cable. You can use DC or AC power supplies for a passive PoE. The both surge protector models can be combined on the cable sides.

The surge protectors can be installed indoor or outdoor in housing / boxes that provide protection against water, moisture or vapours, the best site is close to protected equipment. Grounding the surge protector is critical and must be installed correctly to get right functionality. The metal box versions and/or a module with mounting accessories are provided.

Technical Specifications

Data Clamping Voltage (1,2) (3,6)	8,2 V
Max PoE Input Voltage	60 V DC or 40 V AC
Max PoE Load Current	2 A
Impulse Discharge Current (8/20us) line-ground	10 kA
DC Breakdown Voltage line-ground	150 V
Serial Resistance - line	1 Ohm
Inserted Attenuation at 100MHz (1,2) (3,6)	2 dB
Response Time line-line	1 nsec
Response Time line-ground	100 nsec
Operating Temperature	-40°C to +70°C
Input / Output Connections	
SP-ETHPOE100	RJ45 shielded jacks
SP-ETHPOE100-IS (injector/splitter)	RJ45 shielded jacks, PoE DC jack 2,1mm and terminal
Grounding	Flat Grounding Terminal (6,3x0,8), Hole Lug 4mm
Dimensions (WxDxH)	54 x 57 x 18 mm (module)

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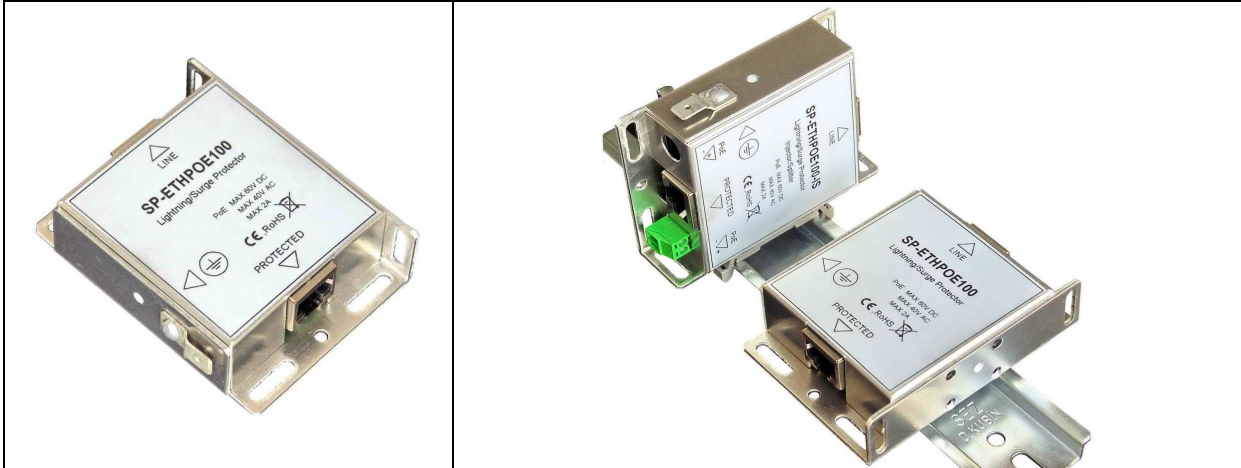
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SURGE PROTECTOR VERSIONS

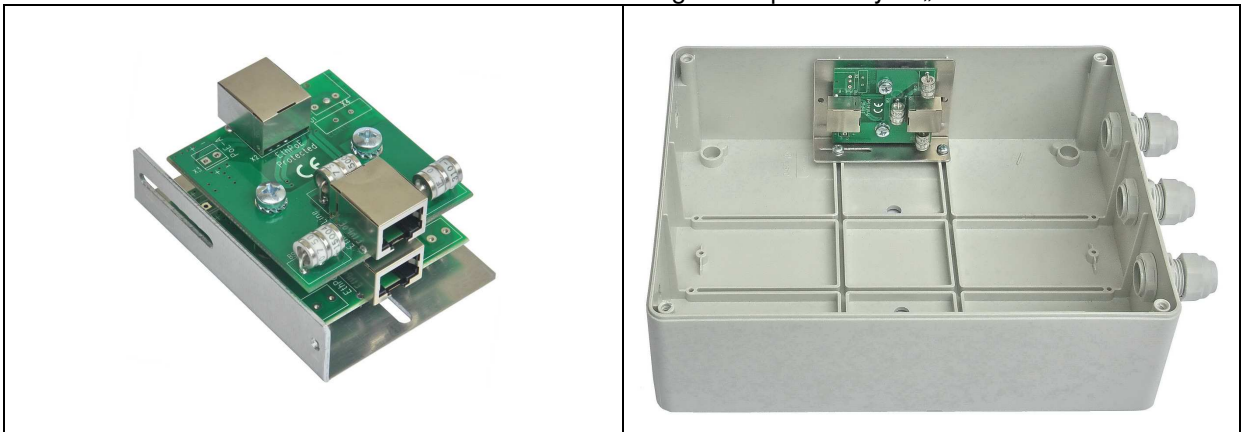
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Surge protectors in the metal box
- mounting on the surface or DIN rail.



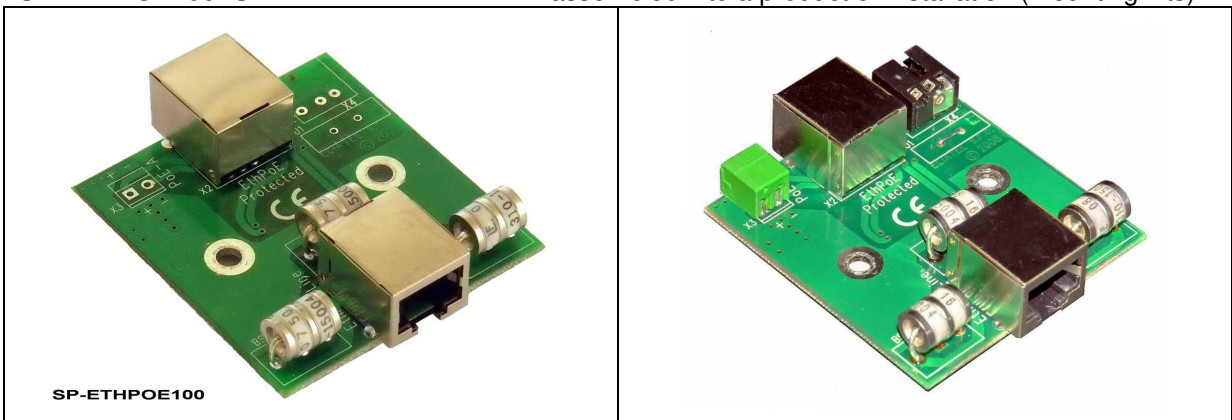
**SP-ETHPOE100-U
SP-ETHPOE100-IS-U**

Surge protector in the universal chassis
- mounting with a possibility to „stack“ modules.



**SP-ETHPOE100-M
SP-ETHPOE100-IS-M**

Surge protector modules
- assembled into a product or installation (mounting kits)



MOUNTING KITS FOR APPLICATIONS– see www.eliatel.cz

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