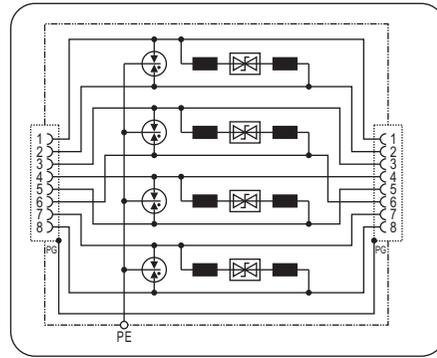


EtherNET Surge Protector

SPD

POE-01-WRG

Basic circuit diagram:



• Technical data

Model		POE-01-WRG
Nominal voltage	U_N	48V-
Rated voltage (max. continuous voltage)	U_C	48V- / 34V ~
Max. continuous voltage (PoE)	U_C	57V-
Nominal current	I_L	1A
Nominal discharge current (8/20)	I_n	0.15kA (line-line) 2.5kA (line-PG)
Total nominal discharge current (8/20)	I_n	10KA (line-PG)
Nominal discharge current (8/20) (PoE)	I_n	0.15kA (pair-pair)
Voltage protection level at I_n	U_p	≤ 190V (line-line) ≤ 600V (line-PG)
Voltage protection level at I_n (PoE)	U_p	≤ 600V (line-line)
Transmission frequency	f_G	500MHz
Insertion loss at 250MHz	a_E	≤ 2dB
Capacitance	C	≤ 165pF (line-line) ≤ 255pF (line-PG)
Operating temperature range		-40°C...+80°C
Connection		RJ45 shield (input / output)
Earthing via		Outgoing cable 1.5mm ² x 300mm
Shield earthing		Indirectly via integrated spark gap
Enclosure material		Aluminum
Test standards		IEC 61643-21; GB 18802.21; YD/T 1542
Certification		CE (LVD, EMC)

• Product introduction

1. Summary

POE-01-WRG is for installation at L2P 0_b-2 and higher interface or directly installed near the equipment; according to IEC standard for CAT 6 or Class E integrated wiring system; all the industrial Ethernet 10M, 100M, 1Gbit network surge protection.

2. Main character

- For protecting computer data transmission system, network system and so on
- Good discharge capacity, low voltage protection level
- Quick response, high transmission speed, low signal attenuation
- RJ45 connection, easy for installation

3. Application

POE-01-WRG is applied in offices and industries like Gigabit Ethernet, ATM or ISDN system, and like VoIP or PoE system can be protected. (e.g. Switch, router, HUB, modem and so on)

4. Application environment

- Temperature: -40°C ~ +80°C
- Relative humidity: ≤ 95% (25°C)

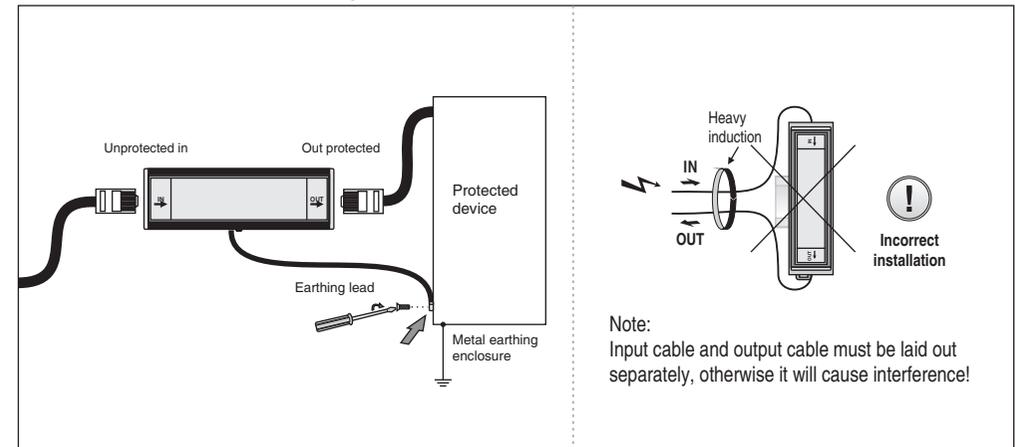
• Installation instruction

1. This product is connected in series to the protected device.
2. Mount the SPD on 35 mm DIN rail.
3. The OUT terminal should be connected to the protected devices.
4. SPD's earthing terminal must be connected to nearby earthing BusBar or the metal earthing enclosure of the protected device.
5. After above, you should ensure the circuit is functioning.

Regularly inspect the operating status, especially after lightning.

Once the communication is off, electrician should check/replace the SPD.

POE-01-WRG installation diagram :



Note:
Input cable and output cable must be laid out separately, otherwise it will cause interference!



WARNING:

1. The device must be installed by electrically skilled person, conforming to national standards and safety regulations.
2. It is recommended that installation should be done under power off condition.