

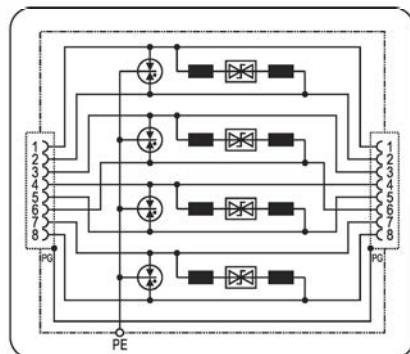
EtherNET Surge Protector SPD

POE-RM-08 for 1Gbit/s Ethernet CAT6



CE Network Protector For Standard 19" Distribution Cabinet

Basic circuit diagram:



• Technical data

Type		POE-RM-08
Nominal voltage	UN	48V-
Rated voltage (max. continuous voltage)	Uc	48V-/34V-
Max. continuous voltage (PoE)	Uc	57V-
Nominal current	I _n	1A
Lightning impulse current (10/350)	I _{imp}	0.15kA (line-PG)
Nominal discharge current (8/20)	I _n	0.15kA (line-line) 2.5kA (line-PG)
Total nominal discharge current (8/20)	I _T	10kA (line-PG)
Nominal discharge current (8/20) (PoE)	I _n	0.15kA (pair-pair)
Voltage protection level at I _n	U _n	s 190V (line-line) s 600V (line-PG)
Voltage protection level at I _n (PoE)	U _n	s 600V (line-line)
Data transmission rates	V _s	1000MBit/s
Insertion loss at 250MHz	a _s	S2dB
Capacitance	C	s 165pF (line-line) s 255pF (line-PG)
Operating temperature range		-40°C...+80°C
Mounting in		Standard 19" distribution cabinet
Connection (input/output)		RJ45 shield socket
Pinning		1/2, 3/6, 4/5, 7/8
Shield earthing		Indirectly via integrated spark gap
Enclosure material		Metal enclosure
Test standards		IEC 61643-21; GB/T 18802.21
Certification		CE (LVD, EMC)

• Product introduction

1. Summary

POE-RM-08 can be installed at LPZ 0,-2 interface or higher, it can be installed in 19" distribution cabinet, designed according to IEC standard CAT 6 or Class E integrated wiring system, it applies to all the industrial Ethernet 10M, 100M, Gigabit or 2.5G network surge protection scenarios. Applicable to IEEE 802.3at. One POE-RM-08 includes one 8POE-SP board and has 2 empty slots for additional 8POE-SP boards.

2. Features

- Protects high speed Ethernet network transmission systems (2.5G, Gigabit, 100M or 10M speed)
- High discharge capacity, low voltage protection level
- Quick response, high transmission speed, low signal attenuation
- 8 port interchangeable modules designed for the 1RU 19" rack POE-RM-08

3. Applications

POE-RM-08 can be used in offices and industries like 2.5G or Gigabit Ethernet, ATM or ISDN system, and VoIP or POE system (e.g. Switch, router, HUB, modem and others).

4. Environment

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

Installation instructions

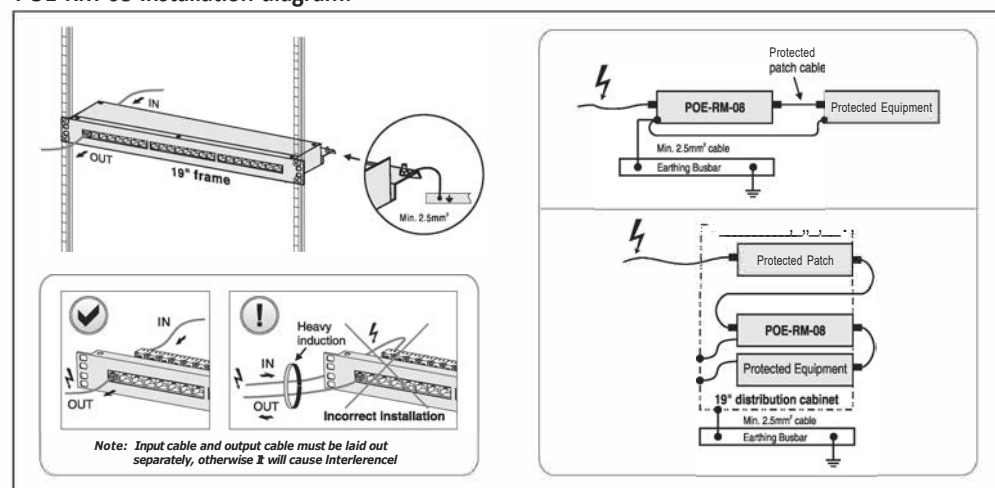
1. This product is connected in series to the protected device.
2. Can be mounted in the 19" distribution cabinet.
3. The out terminal should be connected to the protected devices.
4. SPD's earthing terminal must be connected to nearby earthing BusBar or the metal earthing enclosure of protected device.
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-RM-08 includes one 8POE-SP board and has two empty slots for additional 8POE-SP boards

POE-RM-08 installation diagram:



WARNING:

1. Device must be installed by a qualified electrician/low voltage technician, following all local and national standards and safety regulations.
2. It is recommended installation should be completed under power off condition.