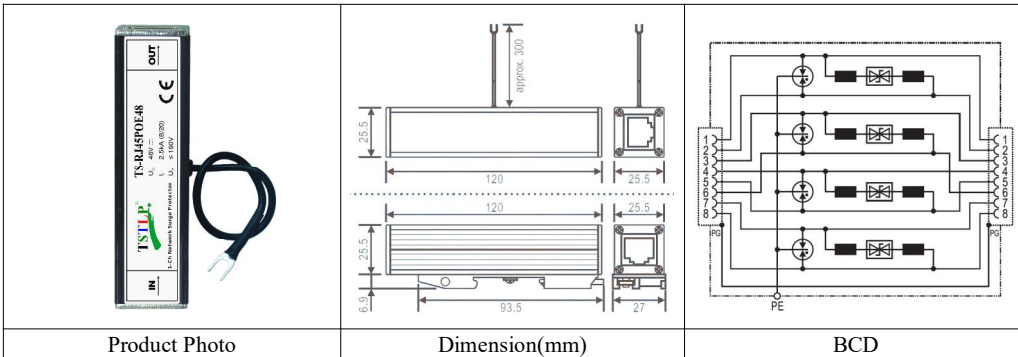




■ TSTLP® 1000Mbps/s Surge Arrester With POE function for RJ45 Network Protection

- ❖ **INTRODUCTION:** TS-RJ45POE48, designed according to IEC standard for CAT 6 or Class E integrated wiring system, is for installation at LPZ Ob-2 & higher interface or directly installed near the equipment. All the industrial Ethernet 10Mbps/s, 100Mbps/s, 1Gbit(1000Mbps/s) or higher network surge protection; Normal current, continuous DC high voltage, to support the POE network with power supply system, IEEE 802.3at. applicable. **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, modern and so on)



❖ TECHNICAL DATA

Model	TS-RJ45POE48	
Normal voltage	Un	48V-
Rated Voltage(Max. Continuous Voltage)	Uc	48V- / 34V~
Max. Continuous voltage(POE)		57V-
Normal current	IL	1A
Nominal discharge current (8/20)	In	0.15kA (line-line) 2.5kA (line-PG)
Total normal discharge current(8/2)	In	10kA
Normal discharge current (8/20) (POE)	In	0.15kA (pair-pair)
Voltage protection level at In	Up	≤ 190V (line-line) ≤ 600V (line-PG)
Voltage protection level at In (POE)	Up	≤ 600V (line-line)
Transmission frequency	fG	500MHz
Data transmission rates	Vs	1000Mbps/s
Insertion loss at 250MHz	aE	≤ 2dB
Capacitance	C	≤ 165pF (line-line) ≤ 255pF (line-PG)
Operating temperature range		-40°C...+80°C
Connection		RJ45 shield (input / output)
Shield earthing		Screw terminal
Mounting on		35mm DIN rail or without as request
Enclosure material		Aluminum
Standards		IEC 61643-21; GB 18802.21; YD/T 1542
Compliance		CE(EMC,LVD)

❖ MAIN CHARACTER

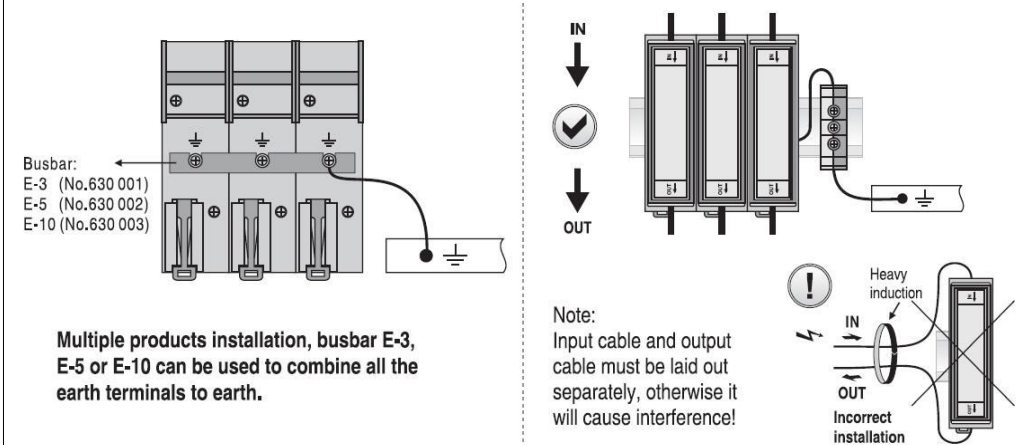
- ✓ For protecting computer data transmission system, network system and so on.
- ✓ Good discharge capacity, low voltage protection level
- ✓ Quick response, high transmission speed, low signal attenuation
- ✓ Metallic housing RJ45 connection, easy for installation.
- ✓ Optional with DIN rail installation

INSTALLATION INSTRUCTION

1. This product is connected in series to the protected device.
2. Mount the SPD on 35mm DIN rail (for optional).
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.

TS-POE INSTALLATION DIAGRAM



WARNING:

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