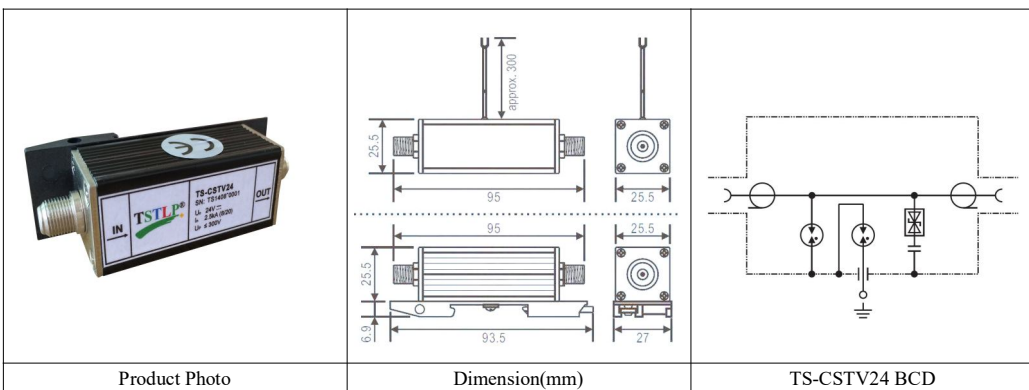




## ❖ TSTLP®/TS-CSTV24 Surge Arrester for Satellite & TV Cable System Protection

❖ **INTRODUCTION:** TS-CTV24 is designed according to IEC 61643-2; GB 18802.21; YD/T 1542 applied in 75Ω satellite and cable TV system and so on.



## ❖ TECHNICAL DATA

Model	TS-CSTV24	
Rated voltage (max. continuous voltage)	Uc	24V-
Nominal current	I <sub>L</sub>	2A
Lightning Impulse Current (10/350)	I <sub>imp</sub>	0.5KA
Nominal discharge current (8/20)	I <sub>n</sub>	2.5KA
Voltage protection level at In	U <sub>p</sub>	≤300V (line-shield)
Voltage protection level at 1kV/ms	U <sub>p</sub>	≤60V (line-shield)
Frequency range	F	5-3000MHz
Insertion loss	a <sub>E</sub>	1.2dB (5-862MHz) 1.4dB (862-2400MHz)      2dB (2400-3000MHz)
Return loss (input/output)	a <sub>R</sub>	≥ 14dB (5-47MHz) ≥ 18dB (47-3000MHz)
Shield attenuation	a <sub>s</sub>	≥ 85dB (5-300MHz)      ≥ 80dB (300-470MHz) ≥ 75dB (470-1000MHz)      ≥ 55dB (1000-3000MHz)
Surge impedance	Z	75Ω
Response time	R	≤ 1ns (line-shield)
Operating temperature range		-40°C...+80°C
Connection (input / output)		F socket
Shield earthing		Screw terminal
Mounting on		35mm DIN rail
Enclosure material		Aluminum
Standards		IEC 61643-2; GB 18802.21; YD/T 1542
Compliance		CE(LVD,EMC)

## ❖ MAIN CHARACTER

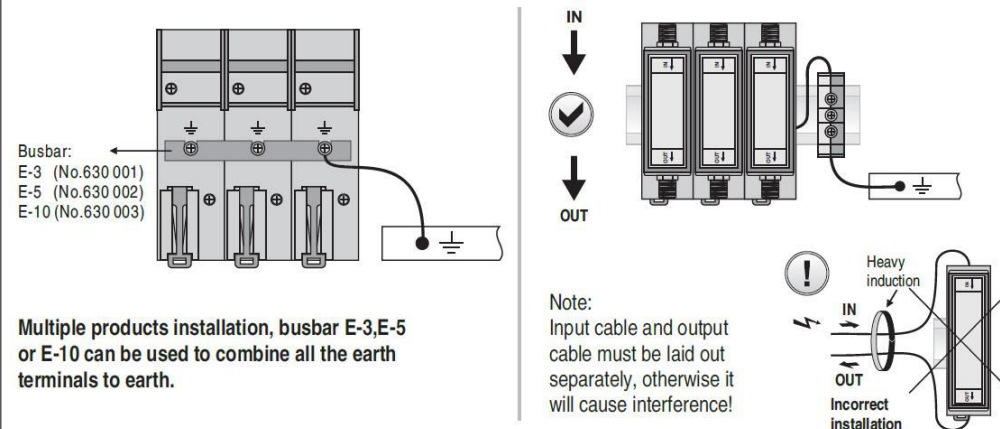
- ✓ Good discharge capacity, low voltage protection level
- ✓ Multiple protection, quick response, no interruption
- ✓ F socket connection, easy for installation

## 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 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-CSTV24 INSTALLATION DIAGRAM



## 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.