



SP-SE-BNC01

BNC female to BNC male coaxial cable
Surge Protector

The SP-SE-BNC01 Coaxial Cable BNC Surge Protector is designed for direct placement over RG6 or RG59 coaxial cables using BNC male and female connectors for an easy in-line installation. The surge protector is designed to allow pass through of voltages up to 18V and match the 75 Ohms impedance of the coaxial cables.

Also, SP-SE-BNC01 has same convenient DIN rail installation system built-in, like the similarly housed POE-01-DIN Ethernet surge protectors. This allows a secure mechanical installation and also a proper common grounding for multiple protectors.

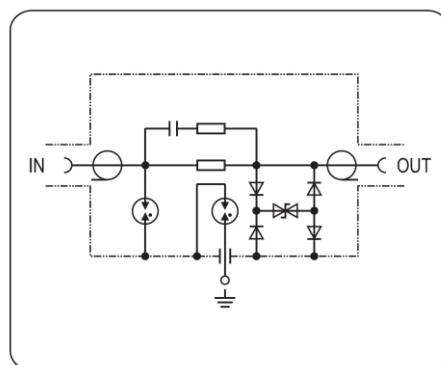
Features

- BNC female to BNC male in-line installation
- IN (exposed) and OUT (protected) ports
- Double grounding options: wire and back pin
- Ability to use Earthing Busbar for common grounding
- Ability to install on TS-35 DIN rails
- 75 Ohms impedance
- Supports RG6 and RG59 coaxial cables
- Two stage: semiconductor and gas discharge tube protection

Specifications

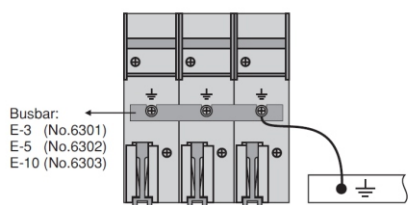
Type	SP-SE-BNC01
Nominal voltage	U_n 10V
Rated voltage(max. continuous voltage)	U_r 18V
Lightning impulse current (10/350)	I_{imp} 0.5kA
Nominal discharge current(8/20)	I_n 2.5kA(line-shield) 10kA(shield-PG)
Max. discharge current(8/20)	I_{max} 5kA(line-shield) 10kA(shield-PG)
Voltage protection level at I_n	U_p $\leq 35V$ (line-shield)
Voltage protection level at 1kV/ μs	U_p $\leq 25V$ (line-shield) $\leq 600V$ (line/shield-PG)
Response time	t_r $\leq 1ns$ (line-shield) $\leq 100ns$ (shield-PG)
Band width	f_b 300MHz
Max. data transmission rates	V_b 16Mbit/s
Characteristic impedance	Z 75 Ω
Connection (input/output)	BNC(socket/plug)
Mounting on	35mm DIN rail
Earthing via	1mm ² 200mm long line
Shield earthing	Indirectly via integrated spark gap
Test standards	IEC 61643-21; EN 61643-21; GB/T 18802.21
Certification	CE(LVD,EMC)

Electrical Diagram

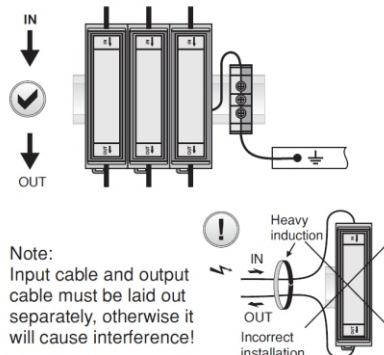


SP-SE-BNC01 coaxial cable Surge Protector diagram

Application



Multiple products installation, busbar E-3, E-5 or E-10 can be used to combine all the earth terminals to earth.



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

Ordering Information

Model Name	Description
SP-SE-BNC01	Coaxial BNC Surge Protector, 75 Ohms, suitable for RG6 and RG59 cables, in-line installation BNC female to male, DIN rail mountable