



# FL-BNC

## Video Surge Protector

### Introduction:

IEC61000-4-5 and ITU-TK20&K21 are the recognized standards for top quality surge protectors, FL-BNC made by the high response surge arresters, the advantage is allowed clamping voltage and low loss against high speed signal, because it had a low capacitance. Designed to protect the equipment and coaxial line, connect in series. Interface accord with BNC standard.

### Packing List:

FL-BNC is shipped with following items.

1. FL-BNC × 1
2. User manual × 1

### Features:

1. IEC6 1000-4-5 and ITU-TK20&K21
2. Clamping voltage and low loss against high speed signal
3. Low capacitance. Designed to protect the equipment and coaxial line, connect in series
4. Interface accord with BNC standard

### Specifications:

Coaxial signal: IEC6100-4-5 and ITU-TK20&21

Nominal discharge current( $I_n$ ):5 KA (8/20 $\mu$ S)

Working voltage: 0-2V

Limit voltage:  $\leq 30V$

Apply Band rate: 10Mbps

Connector: BNC

Insert consumption:  $\leq 0.5dB$

Delay time:  $\leq 10ns$

Working temperature:-20 to 60°C

Storage temperature:-25 to 85°C

Humidity: Relative humidity 5% to 95%

No power supply needed, No consumption

RACK protect: 9,12,16,24 choice

L×W×H: 72mm×42mm×25mm

Shell: Alnico

Color: Blue

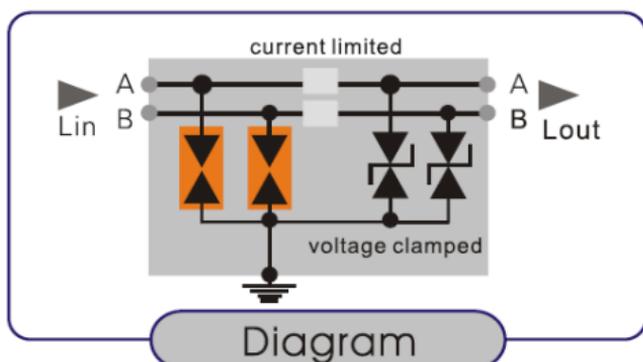
Weight: 10g

**Warranty: 5 years**

**Approvals: FCC,CE, RoHS approvals**

## Circuit diagram:

FL-BNC is designed by the theory of current limited and voltage clamped, discharged to ground. When the signal line exist surge, the FL-BNC is induced and worked ,the lightning energy is discharged to ground, and the high surge voltage is clamped to low level, so our devices is protected.



## Applications:

Usually the FL-BNC is used in protecting the following devices:

- 1 .High-Speed ball
- 2 .HD VTR, Gathering video clip interface, and so on
3. Monitor
- 4 .Satellite TV receiver, VOD(Video-on-Demand), and so on

## Cautions and Notices:

1. When installing the FL-BNC to the end system, all equipment of en60950-1:2001 must be fulfilled.
2. The FL-BNC is connected by series mode, the port of IN is connected to outline, and the port of OUT is connected to the protected device .The FL-BNC need connect to GROUND, and

keep enough low resistance.

3. No special maintenance needed except for periodic inspection for looseness.
4. If the circuit is open or short, it means The FL-BNC has a fault and need to be replaced immediately.

## Dimension:



## Certifications:



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