


**⚠ DANGER**

**Hazardous Voltage**  
Will cause severe injury or death.

Working on or near energized circuits poses a serious risk of electrical shock. De-energize all circuits before installing or servicing this equipment and follow all prescribed safety procedures.

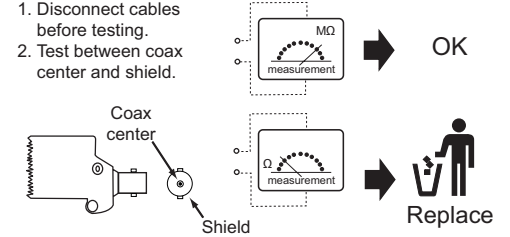


Technical Data		
Catalog number	BSPD5BNCDD	BSPD5BNCDI
Lightning protection zone	1	
Nominal voltage (U <sub>N</sub> )	5V	
Nominal current (I <sub>n</sub> )	0.1A	
Operating temperature range	-40°C to +80°C	
Degree of protection	IP10	
Test standards	IEC 61643-21 / EN 61643-21	
Agency information	UL	

## COAXIAL DATA SIGNAL APPLICATIONS

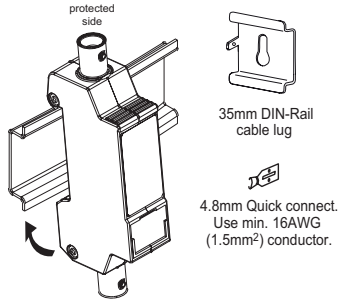
### Testing

1. Disconnect cables before testing.
2. Test between coax center and shield.

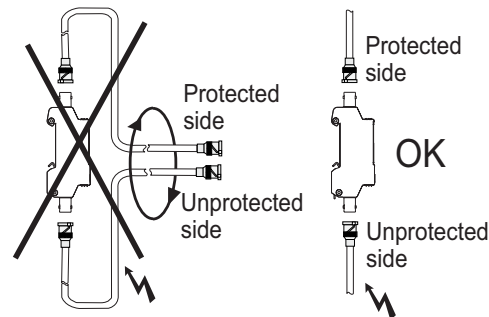


## Installation Instructions

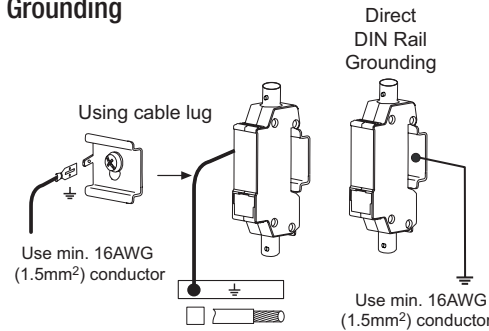
### Mounting



### Wiring



### Grounding



### Safety Instructions

This Surge Protective Device (SPD) for coaxial connection may only be installed by qualified electrical personnel. All applicable national and local electrical standards and safety regulations must be observed. The SPD must be checked for external damage prior to installation.

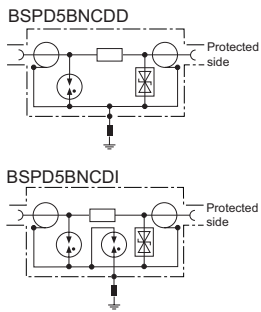
If any damage or other defects are detected, do not install the device.

The installation and application of this SPD is only permitted within the limits shown and stated in these installation instructions.

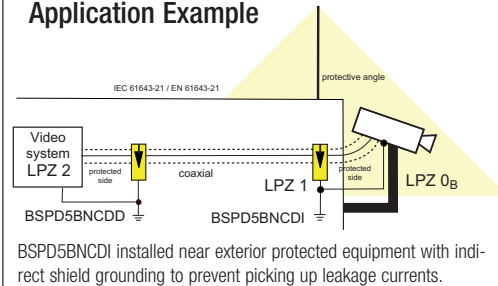
The SPD and the equipment connected to it can be destroyed by loads exceeding the stated values.

Opening, modifying or otherwise tampering with the SPD invalidates the warranty.

### Circuit Diagrams



### Application Example



**Warranty**  
See document 3A1502 at [www.cooperbussmann.com/surge](http://www.cooperbussmann.com/surge) for details of limited warranty.

### UL Requirements

1. This surge protective device (SPD) is intended for ordinary indoor use on communication loop circuits that are isolated from the Public Switched Telephone Network.
2. The SPD shall be secured using the methods described in this instruction.
3. Proper grounding continuity shall be determined.
4. Please install the protector in accordance with the applicable requirements of the National Electrical Code®, Article 800 or other applicable local codes.
5. The maximum circuit current for UL 497 B applications is limited to 100mA.

Tabulation Strike voltage in accordance with UL 497 (Protectors for Data Communication and Fire Alarm Circuits)							
Catalog Number	Strike Voltage 100V / sec Line-to-Ground (Shield)		Strike Voltage 100V / μsec Line-to-Ground (Shield)				
	Shield-to-Ground	Line-to-Shield	Shield-to-Ground	Line-to-Shield	Shield-to-Ground	Line-to-Shield	
BSPD5BNCDD	7V min	11V max	7V min	15V max			
BSPD5BNCDI	70V min	110V max	7V min	11V max	70V min	600V max	7V min 15V max

