**Technical Data**

- **Catalog Number**: BSPD48RU45
- **Nominal Voltage (U_n)**: 48V
- **Nominal Current (I_n)**: 1A
- **Max PoE Watts/Pair**: 25.5W/2, 51W/4 @ 57V max.
- **Operating Temperature Range**: -40°C to +80°C
- **Degree of Protection**: IP10
- **Test Standards**: IEC 61643-21

**Agency Information**: UL

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**Installation Instructions**

**Mounting**

- 35mm DIN-Rail cable lug
- 4.8mm Quick connect
- Use min. 16AWG (15mm²) conductor

**Wiring**

- Protected side
- Unprotected side

*NOTE: Minimize chances of inductive coupling of interference voltages by making separation distance to unprotected cables as far as possible.

**Circuit Diagrams**

**Connector Pin Assignments**

- 1 & 2, 3 & 6, 4 & 5, 7 & 8

**Equipment Chassis Mount**

- Class I grounding protection without cable via direct DIN-Rail mount on equipment chassis.
- Use min. 16AWG (1.5mm²) conductor

**Panel Mount**

- Use min. 16AWG (1.5mm²) conductor

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**Testing**

1. Disconnect cables before testing.
2. Test between these connector pins: 1 & 2, 3 & 6, 4 & 5, 7 & 8.

**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.

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**UL Requirements**

1. This device is intended for ordinary indoor use on communication loop circuits that are isolated from the Public Switched Telephone Network.
2. The protector 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.

**Applications**

- Rack Mount
- Panel Mount

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**Testing**

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**Connector Pin Assignments**

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**Equipment Chassis Mount**

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**Panel Mount**

- Use min. 16AWG (1.5mm²) conductor

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**Warranty**

See document 3A1502 at www.cooperbussmann.com/surge for details of limited warranty.

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**Surge Protection Made Simple™**

**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.

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**Wiring Circuit Diagrams**

**Technical Data**

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**Installation Instructions**

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**Circuit Diagrams**

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