

## DC Surge Protector SPD SXRR Indoor AAR Terminal 90 Vdc, 120 Vac, Single-Mode, 20 kA SASD, GDT

**1101-764**  
**SXRR 120V**



### Features

- SASD and SASD/GDT Hybrid Surge Protection Options
- Suppression Status Indicator
- AAR Terminal Mount

### Applications

- Railroad Circuits

### Description

DC surge protector (also known as SPD or lightning protector) 1101-764 from Transtector is an AAR terminal style SPD that utilizes state of the art SASD, GDT technology to protect critical equipment that operates on a 90 Vdc electrical service. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by safely shunting high amounts of transient energy while maintaining a very low clamping voltage. Transtector DC surge protectors are available in stock with same day shipping.

### Electrical Specifications

| Description                                 | Minimum | Typical | Maximum | Units |
|---|---------|---------|---------|-------|
| Service Voltages (DC)                       |         | 90      |         | Vdc   |
| Service Voltages (AC)                       |         | 120     |         | Vac   |
| Maximum Continuous Operating Voltage (MCOV) |         |         |         |       |
| MCOV DC                                     |         |         | 90      | Vdc   |
| MCOV AC                                     |         |         | 130     | Vac   |

### Surge Protection Specification

| Description                 | Minimum | Typical       | Maximum    | Units |
|-----------------------------|---------|---------------|------------|-------|
| Surge Protection Technology |         | SASD, GDT     |            |       |
| Surge Protection Modes      |         | Signal to GND |            |       |
| Response Time               |         |               | 20         | ns    |
| 8/20 $\mu$ s Surge Current  |         |               | 20         | kA    |
| VPL 8/20 $\mu$ s L-G        |         |               | 450 @ 20kA | Vpk   |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[DC Surge Protector SPD SXRR Indoor AAR Terminal 90 Vdc, 120 Vac, Single-Mode, 20 kA SASD, GDT 1101-764](#)

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## Mechanical Specifications

### Size

|        |         |            |
|--------|---------|------------|
| Height | 2.83 in | [71.88 mm] |
| Width  | 0.95 in | [24.13 mm] |
| Depth  | 2.1 in  | [53.34 mm] |
| Weight | 0.1 lbs | [45.36 g]  |

Housing Material and Plating      Polycarbonate

## Environmental Specifications

### Temperature

|                 |                    |
|-----------------|--------------------|
| Operating Range | -40 to +75 deg C   |
| Storage Range   | -40 to +75 deg C   |
| Humidity        | 90% non-condensing |

## Installation

Mount Type      AAR Terminal Block

Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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URL: <https://www.transtector.com/dc-surge-protector-spd-sxrr-indoor-aar-1101-764-p.aspx>

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1101-764 CAD Drawing

