

DC Surge Protector SPD I2R Indoor DIN-Rail 12 Vdc,
 Single-Mode, 5 kA SASD IEC EN 60529

1104-11-000
 I2R IEP 12-5



Features

- SASD Surge Protector
- Visual Suppression Status Indicator
- Dry Contact Remote Annunciation Terminals
- DIN-Rail Mount

Applications

- Industrial Automation
- Controls & Sense Loops
- Telecommunications Base Stations
- IT & Data Centers
- Wastewater Treatment
- Rail
- Oil & Gas
- LED Lighting

Description

DC surge protector (also known as SPD or lightning protector) 1104-11-000 from Transtector is an IEC EN 60529, RoHS Compliant, CE Compliant DIN-Rail style SPD that utilizes state of the art SASD technology to protect critical equipment that operates on a 12 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 | | 12 | | Vdc |
| Maximum Continuous Operating Voltage (MCOV) | | | | |
| MCOV DC | | | 14 | Vdc |

Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------------|------------|-------|
| Surge Protection Technology | | SASD | | |
| Surge Protection Modes | | Supply to RET | | |
| Response Time | | | 1 | ns |
| 8/20 μ s Surge Current | | | 5 | kA |
| VPL 8/20 μ s L-G | | | 75 @ 2500A | Vpk |
| Nominal Discharge Surge Current (In) | | 2.5 | | kA |

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 I2R Indoor DIN-Rail 12 Vdc, Single-Mode, 5 kA SASD IEC EN 60529 1104-11-000](#)

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Mechanical Specifications

Size

| | | |
|------------------------------|----------|------------|
| Height | 2.64 in | [67.06 mm] |
| Width | 3.8 in | [96.52 mm] |
| Depth | 0.7 in | [17.78 mm] |
| Weight | 0.23 lbs | [104.33 g] |
| Housing Material and Plating | PA66 | |

Environmental Specifications

Temperature

| | |
|--------------------------------------|--------------------|
| Operating Range | -40 to +80 deg C |
| Storage Range | -40 to +80 deg C |
| Environmental Protection (IP) Rating | IP20 |
| Humidity | 95% non-condensing |

Installation

| | |
|----------------------------|-----------------|
| Mount Type | DIN-Rail |
| Service Wiring Terminal | |
| Screw Clamp Terminal | #6 AWG Stranded |
| Service Terminal Wire 2 | #4 AWG Solid |
| Status Indication Terminal | |
| 3-Position Screw Terminal | #22 to #16 AWG |

Compliance Certifications

| | |
|----------------|--------------|
| Certifications | IEC EN 60529 |
|----------------|--------------|

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-i2r-indoor-din-1104-11-000-p.aspx>

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1104-11-000 CAD Drawing

| REVISIONS | | |
|-----------|-----------------|-----------------|
| REV. | DESCRIPTION | DATE |
| A | INITIAL RELEASE | 1/17/19 |
| | | APPROVED DWR |

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X±.2 [5.08] FRACTIONS ± 1/32
 .XX±.01 [.25] ANGLES ± 1°
 .XXX±.005 [.13]

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
 THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE 1:2

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SIZE CAGE A 30992 DRAWN BY HMB PART NUMBER 1104-11-000 REV A

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