

## AC Surge Protector SPD I2R DIN-Rail 240 Vac Single-Phase SASD 7 kA Status LED

**1101-629**  
I2R ICP 240



### Features

- 100% SASD Protection
- SASD and MOV Protection Options
- Visual Suppression Status Indicator
- Replaceable Suppression Modules
- DIN-Rail Mount

### Applications

- Electrical Panelboards
- Industrial Automation
- Communications Base Stations
- IT & Data Centers
- Switchgear
- Motor Control Centers
- Automatic Transfer Switches
- Wastewater Treatment
- Oil & Gas
- LED Lighting
- Schools
- Hospitals

### Description

AC surge protector (also known as SPD or lightning protector) 1101-629 from Transtector is a DIN-Rail style SPD that utilizes state of the art SASD technology to protect critical equipment that operates on a 240 Vac Single-Phase 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 AC surge protectors are available in stock with same day shipping.

### Electrical Specifications

| Description                                 | Minimum | Typical      | Maximum | Units |
|---|---------|--------------|---------|-------|
| Service Voltages                            |         | 240          |         | Vac   |
| Service Type                                |         | Single-Phase |         |       |
| Maximum Continuous Operating Voltage (MCOV) |         |              |         |       |
| L - N                                       |         |              | 275     | Vac   |
| L - G                                       |         |              | 275     | Vac   |

### Surge Protection Specification

| Description                 | Minimum | Typical | Maximum | Units |
|-----------------------------|---------|---------|---------|-------|
| Surge Protection Technology |         | SASD    |         |       |
| Protection Modes            |         | L-N/G   |         |       |
| 8/20 $\mu$ s Surge Current  |         |         | 7       | kA    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[AC Surge Protector SPD I2R DIN-Rail 240 Vac Single-Phase SASD 7 kA Status LED 1101-629](#)

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|                                       |            |     |
|---------------------------------------|------------|-----|
| Nominal Discharge Current Rating (In) | 3          | kA  |
| Vpl 8/20µs L-N                        | 600 @ 500A | Vpk |
| Response Time                         | 5          | ns  |

### Mechanical Specifications

#### Size

|                              |                  |            |
|------------------------------|------------------|------------|
| Height                       | 2.6 in           | [66.04 mm] |
| Width                        | 1.03 in          | [26.16 mm] |
| Depth                        | 2.63 in          | [66.8 mm]  |
| Weight                       | 0.4 lbs          | [181.44 g] |
| Housing Material and Plating | Rynite FR350/PBT |            |

### Environmental Specifications

|                                 |                    |
|---------------------------------|--------------------|
| Temperature Range (Operational) | -40 to +80 deg C   |
| Humidity                        | 90% non-condensing |

### Installation

|                         |               |
|-------------------------|---------------|
| Mount Type              | DIN Rail      |
| Service Wiring Terminal | #4 to #14 AWG |
| Screw-Down              |               |

### Compliance Certifications

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

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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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

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## 1101-629 CAD Drawing

| REVISIONS |                 |                 |
|-----------|-----------------|-----------------|
| REV.      | DESCRIPTION     | DATE            |
| A         | INITIAL RELEASE | 1/8/19          |
|           |                 | APPROVED<br>DWR |

  

GREEN SUPPRESSION STATUS LED

REPLACEABLE ICP SUPPRESSION MODULE

DIN-RAIL MOUNTING FOOT

  
  

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

**TOLERANCES:**

.X±.2 [5.08] FRACTIONS ±.132

XX±.01 [.25] ANGLES ±1°

XXX±.005 [.13]

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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**TRANSTECTOR**

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SIZE: A CAGE: 30992 DRAWN BY: DPM PART NUMBER: 1101-629 REV: A

  

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