

AC Surge Protector SPD I2R-T240 DIN-Rail Common Mode GDT 40 kA, IEC 61643-11 Class II, CE, RoHS



I2R-T240-G

Features

- IEC61643-11 Class II
- High Capacity MOV Protection
- Visual Suppression Status Indicator
- Dry Contact Remote Annunciation Wire Leads
- Replaceable Suppression Modules
- Wire and Comb Busbar Wiring Terminals
- Reversible Chassis for Top or Bottom Wiring
- DIN-Rail Mount
- Dry Contact Remote Annunciation Terminals

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
- Mining
- Photovoltaic and Wind

Description

AC surge protector (also known as SPD or lightning protector) I2R-T240-G from Transtector is a DIN-Rail style SPD that utilizes state of the art GDT technology to protect critical equipment that operates on a N-PE Common Mode 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 Type | | Common Mode | | |
| Frequency | 50 | | 400 | Hz |
| Maximum Continuous Operating Voltage (MCOV) | | | | |
| L - N Backup Fuse | | 125 | 277 | Vac A gL/gG |

Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|-----------------------------|---------|---------|---------|-------|
| Surge Protection Technology | | GDT | | |

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-T240 DIN-Rail Common Mode GDT 40 kA, IEC 61643-11 Class II, CE, RoHS I2R-T240-G](#)

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| | | | |
|---------------------------------------|------|-------|------|
| Protection Modes | N-PE | | |
| 8/20 μ s Surge Current | | 40 | kA |
| Nominal Discharge Current Rating (In) | 20 | | kA |
| VPR 8/20 μ s | | | |
| L - N | | 1,500 | Vpk |
| SCCR (Short Circuit Current Rating) | 25 | | kAIC |

Mechanical Specifications

Size

| | | |
|------------------------------|---------------|------------|
| Height | 2.992 in | [76 mm] |
| Width | 3.543 in | [89.99 mm] |
| Depth | 0.709 in | [18.01 mm] |
| Weight | 0.26 lbs | [117.93 g] |
| Housing Material and Plating | PA66 CT1; V-0 | |

Environmental Specifications

| | |
|---------------------------------|--------------------|
| Temperature Range (Operational) | -40 to +80 deg C |
| Temperature Range (Storage) | -40 to +80 deg C |
| Environmental Protection Rating | IP 20 |
| Humidity | 95% non-condensing |

Installation

| | |
|----------------------------|--|
| Mount Type | DIN Rail |
| Service Wiring Terminal | Compression Lug #1 to #9 AWG |
| Status Indication Terminal | 3-Position Screw Terminal #16 to #22 AWG |

Compliance Certifications

| | |
|----------------|-----------------------|
| RoHS Compliant | Yes |
| CE Compliant | Yes |
| Certifications | IEC 61643-11 Class II |

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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/ac-surge-protector-spd-i2r-t240-din-i2r-t240-g-p.aspx>

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.

I2R-T240-G CAD Drawing

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

90 mm

70 mm

18 mm

plug-in cartridges

| | | |
|--|--|--|
| <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>.X±.2 [5.08] FRACTIONS ± 1/32</p> <p>XX±.01 [.25] ± 1/32</p> <p>XXX±.005 [.13] ANGLES ± 1°</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>THIRD-ANGLE PROJECTION</p> | | <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE NTS</p> |
| <p>TRANSTECTOR</p> <p>10701 AIRPORT ROAD, HAYDEN, ID, 83835 PHONE: 1.208.635.6400 1.800.882.9110 FAX: 1.208.955.2041 www.transtector.com e-mail: sales@transtector.com</p> | <p>SIZE CAGE DRAWN BY PART NUMBER</p> <p>A 30992 HMB I2R-T240-G</p> | <p>REV A</p> |

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