

AC Surge Protector SPD I2R-T112 DIN-Rail 230 Vac 3-Phase Wye  
+ CM MOV, GDT 50 kA, IEC 61643-11 Class I+II, CE, RoHS



## I2R-T112-4PG230

### Features

- IEC61643-11 Class I+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-T112-4PG230 from Transtector is a DIN-Rail style SPD that utilizes state of the art MOV/GDT technology to protect critical equipment that operates on a 230 Vac 3-Phase Wye + CM 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                            |         | 230              |         | Vac     |
| Service Type                                |         | 3-Phase Wye + CM |         |         |
| Frequency                                   | 50      |                  | 400     | Hz      |
| Maximum Continuous Operating Voltage (MCOV) |         |                  |         |         |
| L - N                                       |         |                  | 275     | Vac     |
| Backup Fuse                                 |         | 200              |         | A gL/gG |

### Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|-------------|---------|---------|---------|-------|
|-------------|---------|---------|---------|-------|

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-T112 DIN-Rail 230 Vac 3-Phase Wye + CM MOV, GDT 50 kA, IEC 61643-11 Class I+II, CE, RoHS I2R-T112-4PG230](#)

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## I2R-T112-4PG230

|                                       |           |      |
|---------------------------------------|-----------|------|
| Surge Protection Technology           | MOV, GDT  |      |
| Protection Modes                      | L-N, N-PE |      |
| 8/20μs Surge Current                  | 50        | kA   |
| 10/350μs Surge Current                | 12.5      | kA   |
| Nominal Discharge Current Rating (In) | 20        | kA   |
| <hr/>                                 |           |      |
| VPR 8/20μs                            |           |      |
| L - N                                 | 1,300     | Vpk  |
| N - G                                 | 1,500     | Vpk  |
| <hr/>                                 |           |      |
| Response Time                         | 25        | ns   |
| SCCR (Short Circuit Current Rating)   | 25        | kAIC |
| <hr/>                                 |           |      |

## Mechanical Specifications

### Size

|                              |               |            |
|------------------------------|---------------|------------|
| Height                       | 2.992 in      | [76 mm]    |
| Width                        | 3.543 in      | [89.99 mm] |
| Depth                        | 2.835 in      | [72.01 mm] |
| Weight                       | 1.45 lbs      | [657.71 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 I+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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**I2R-T112-4PG230 CAD Drawing**

