

AC Surge Protector SPD I2R-50K DIN-Rail 208/120 Vac  
Three-Phase Wye MOV 75 kA, UL 1449 5th Ed. Type 1ca



**I2R-50KY208**

**Features**

- UL1449 5th Ed. Type 1ca
- High Capacity MOV Protection
- Visual Suppression Status Indicator
- Dry Contact Remote Annunciation Terminals
- DIN-Rail Mount
- No External Backup Fuses Required

**Applications**

- Electrical Panelboards
- Industrial Automation
- Intelligent Transportation Systems
- Communications Base Stations
- IT & Data Centers
- Switchgear
- Motor Control Centers
- Automatic Transfer Switches
- Wastewater Treatment

**Description**

AC surge protector (also known as SPD or lightning protector) I2R-50KY208 from Transtector is a UL1449 5th Ed. Type 1ca DIN-Rail style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 208/120 Vac Three-Phase Wye 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.

**Electrical Specifications**

| Description  | Minimum         | Typical | Maximum | Units |
|--|-----------------|---------|---------|-------|
| Service Type   | Three-Phase Wye |         |         |       |
| Maximum Continuous Operating Voltage (MCOV)<br>L - L |                 |         | 300     | Vac   |
| Maximum Continuous Operating Voltage (MCOV)<br>L - N |                 |         | 150     | Vac   |

**Surge Protection Specification**

| Description                           | Minimum  | Typical | Maximum | Units |
|---------------------------------------|----------|---------|---------|-------|
| Surge Protection Technology           | MOV      |         |         |       |
| Protection Modes                      | L-N, L-L |         |         |       |
| 8/20µs Surge Current                  |          |         | 50      | kA    |
| Nominal Discharge Current Rating (In) |          | 20      |         | kA    |
| VPR 8/20µs<br>L - L                   |          |         | 1,400   | Vpk   |
| VPR 8/20µs<br>L - N                   |          |         | 700     | Vpk   |

**Mechanical Specifications**

**Size**

|        |         |             |
|--------|---------|-------------|
| Height | 2.79 in | [70.87 mm]. |
| Width  | 2.13 in | [54.1 mm]   |

## AC Surge Protector SPD I2R-50K DIN-Rail 208/120 Vac Three-Phase Wye MOV 75 kA, UL 1449 5th Ed. Type 1ca



### I2R-50KY208

|                              |          |            |
|------------------------------|----------|------------|
| Depth                        | 3.54 in  | [89.92 mm] |
| Weight                       | 0.87 lbs | [394.63 g] |
| Housing Material and Plating | ABS      |            |

#### Environmental Specifications

|                                 |                 |  |
|---------------------------------|-----------------|--|
| Temperature Range (Operational) | -40 to 85 deg C |  |
| Temperature Range (Storage)     | -40 to 85 deg C |  |
| Environmental Protection Rating | IP20            |  |

#### Installation

|            |          |
|------------|----------|
| Mount Type | DIN Rail |
|------------|----------|

#### Compliance Certifications

|                |                |
|----------------|----------------|
| Certifications | UL1449 5th Ed. |
|----------------|----------------|

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.

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-50K DIN-Rail 208/120 Vac Three-Phase Wye MOV 75 kA, UL 1449 5th Ed. Type 1ca I2R-50KY208](https://www.transtector.com/ac-surge-protector-spd-dr-din-rail-i2r-50ky208-p.aspx)

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