

AC Surge Protector SPD DIN-Rail 120 Vac Single-Phase MOV 75 kA, UL 1449 5th Ed. Type 1 and Type 2, TAA



I2R-75KS120

Features

- UL1449 5th Ed. Type 1/Type 2
- High Capacity MOV Protection
- Visual Suppression Status Indicator
- Dry Contact Remote Annunciation Terminals
- Replaceable Module I2R-75KR120
- Wire and Comb Busbar Wiring Terminals
- Reversible Chassis for Top or Bottom Wiring
- DIN-Rail Mount
- Safe-Fail, Self-Protected Design
- No External Backup Fuses Required

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
- Small Cells
- Intelligent Traffic Systems

Description

AC surge protector (also known as SPD or lightning protector) I2R-75KS120 from Transtector is a UL1449 5th Ed. Type 1/Type 2 DIN-Rail style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 120 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 | | 120 | | Vac |
| Service Type | | Single-Phase | | |
| Frequency | 50 | | 60 | Hz |
| Maximum Continuous Operating Voltage (MCOV) | | | | |
| L - N | | | 175 | Vac |

Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|---------------------------------------|---------|---------|---------|-------|
| Surge Protection Technology | | MOV | | |
| Protection Modes | | L-N | | |
| 8/20μs Surge Current | | | 75 | kA |
| Nominal Discharge Current Rating (In) | | 20 | | kA |
| VPR 8/20μs | | | 600 | Vpk |
| L - N | | | 25 | ns |
| Response Time | | | | |
| SCCR (Short Circuit Current Rating) | 200 | | | kAIC |

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Mechanical Specifications

| Size | | |
|------------------------------|---------------|------------|
| Height | 2.76 in | [70.1 mm]. |
| Width | 4 in | [101.6 mm] |
| Depth | 0.69 in | [17.53 mm] |
| Weight | 0.34 lbs | [154.22 g] |
| Housing Material and Plating | PA66 CT1; V-0 | |

Environmental Specifications

| | |
|---------------------------------|--------------------|
| Temperature Range (Operational) | -40 to +85 deg C |
| Temperature Range (Storage) | -40 to +85 deg C |
| Environmental Protection Rating | IP 20 |
| Humidity | 95% non-condensing |

Installation

| | |
|----------------------------|----------------|
| Mount Type | DIN Rail |
| Service Wiring Terminal | #4 to #14 AWG |
| Status Indication Terminal | #16 to #22 AWG |

Compliance Certifications

| | |
|-----------------------------|--|
| UL Compliant Certifications | Yes UL 1449 5th Ed. Type 1 and Type 2 |
|-----------------------------|--|

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 DIN-Rail 120 Vac Single-Phase MOV 75 kA, UL 1449 5th Ed. Type 1 and Type 2, TAA I2R-75KS120](https://www.transtector.com/ac-surge-protector-spd-din-rail-120-i2r-75ks120-p.aspx)

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I2R-75KS120 CAD Drawing

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