

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



I2R-50KS120

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-50KS120 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 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages		120		Vac
Service Type		Single-Phase		
Maximum Continuous Operating Voltage (MCOV) L - N			150	Vac

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-N		
8/20 μ s Surge Current			50	kA
Nominal Discharge Current Rating (In)		20		kA
VPR 8/20 μ s L - N			700	Vpk

Mechanical Specifications

Size		
Height	2.79 in	[70.87 mm].
Width	0.71 in	[18.03 mm]
Depth	3.54 in	[89.92 mm]
Weight	0.29 lbs	[131.54 g]
Housing Material and Plating	ABS	

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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
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Compliance Certifications

Certifications	UL1449 5th Ed.
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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.

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 120 Vac Single-Phase MOV 50 kA, UL 1449 5th Ed. Type 1ca I2R-50KS120](#)

URL: <https://www.transtector.com/ac-surge-protector-spd-dr-din-rail-i2r-50ks120>

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I2R-50KS120 CAD Drawing

AC Surge Protector SPD I2R-50K DIN-Rail 120 Vac Single-Phase MOV 50 kA, UL 1449 5th Ed. Type 1CA

