

## AC Surge Protector SPD SP PLUS Brick 120/240 Vac Split-Phase MOV 50 kA, UL 1449 4th Ed. Type 1 and Type 2, RoHS



### SP50RS-240SP SP50RS Series

#### Features

- UL1449 4th Ed. Type 1/Type 2
- High Capacity MOV Protection
- Suppression Status LEDs
- Remote Suppression Status Contacts
- Wall Mount, Conduit Hub or Bracket Mount
- 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

#### Description

AC surge protector (also known as SPD or lightning protector) SP50RS-240SP from Transtector is a UL1449 4th Ed. Type 1/Type 2 brick style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 120/240 Vac split-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		120/240		Vac
Service Type		Split-Phase		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV)				
L - L			300	Vac
L - N			150	Vac
L - G			300	Vac
Remote Status Indicators		Form C Contacts		

#### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
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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 SP PLUS Brick 120/240 Vac Split-Phase MOV 50 kA, UL 1449 4th Ed. Type 1 and Type 2, RoHS SP50RS-240SP](#)

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## SP50RS-240SP

### SP50RS Series

Surge Protection Technology	MOV		
Protection Modes	L-N, L-L, L-G		
8/20 $\mu$ s Surge Current		50	kA
Nominal Discharge Current Rating (In)	20		kA
VPR 8/20 $\mu$ s			
L - L		1,200	Vpk
L - N		700	Vpk
L - G		1,200	Vpk
Response Time		25	ns
SCCR (Short Circuit Current Rating)	200		kAIC

### Mechanical Specifications

#### Size

Height	3.35 in	[85.09 mm]
Width	3.35 in	[85.09 mm]
Depth	3.25 in	[82.55 mm]
Weight	1 lbs	[453.59 g]

Housing Material and Plating      Polycarbonate

### Environmental Specifications

Temperature Range (Operational)	-40 to +85 deg C
Temperature Range (Storage)	-40 to +85 deg C
Environmental Protection Rating	NEMA 4X
Humidity	95% non-condensing

### Installation

Mount Type	3/4"-14 Hub or Bracket Mount
Service Wiring Terminal	Wire Leads 3 foot length to #10 AWG
Status Indication Terminal	Wire Leads 3 foot length to #18 AWG

### Compliance Certifications

UL Compliant Certifications	Yes
	UL 1449 4th Ed. Type 1 and Type 2
	UL 96A
	cUL

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**SP50RS-240SP**  
SP50RS Series



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-sp-plus-brick-sp50rs-240sp-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.

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SP50RS-240SP CAD Drawing

