

AC Surge Protector SPD SP PLUS Brick 240 Vac 3-Phase Delta MOV 50 kA, UL 1449 4th Ed. Type 1 and Type 2, RoHS

SP50RS-2403D 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-2403D 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 240 Vac 3-Phase Delta 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 | | 240 | | Vac |
| Service Type | | Three-Phase Delta | | |
| Frequency | 50 | | 60 | Hz |
| Maximum Continuous Operating Voltage (MCOV) | | | | |
| L - L | | | 640 | Vac |
| L - G | | | 320 | Vac |
| Remote Status Indicators | | Form C Contacts | | |

Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|-----------------------------|---------|---------|---------|-------|
| Surge Protection Technology | | MOV | | |

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 240 Vac 3-Phase Delta MOV 50 kA, UL 1449 4th Ed. Type 1 and Type 2, RoHS SP50RS-2403D](#)

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SP50RS-2403D

SP50RS Series

| | | | |
|---------------------------------------|----------|-------|------|
| Protection Modes | L-L, L-G | | |
| 8/20 μ s Surge Current | | 50 | kA |
| Nominal Discharge Current Rating (In) | 20 | | kA |
| VPR 8/20 μ s | | | |
| L - L | | 2,000 | 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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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-2403d-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-2403D CAD Drawing

