

AC Surge Protector SPD SP PLUS Brick 120/240 Vac Split-Phase MOV 100 kA, UL 1449 5th Ed. Type 2, TAA



B70-00-6002

LEA SP 100 240-SP

Features

- UL1449 5th Ed.
- High Capacity MOV Protection
- Suppression Status LEDs
- Dry Contact Remote Annunciation Wire Leads
- Wall Mount
- Audible Alarm Switch

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) B70-00-6002 from Transtector is a UL1449 5th Ed. 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 Type | | Split-Phase | | |
| Frequency | 50 | | 60 | Hz |
| Maximum Continuous Operating Voltage (MCOV) L - L | | | 254 | Vac |
| Maximum Continuous Operating Voltage (MCOV) L - N | | | 127 | Vac |
| Maximum Continuous Operating Voltage (MCOV) L - G | | | 127 | Vac |
| Maximum Continuous Operating Voltage (MCOV) N - G | | | 127 | Vac |

Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|---------------------------------------|---------|---------------|---------|-------|
| Surge Protection Technology | | MOV | | |
| Protection Modes | | L-N, L-G, L-L | | |
| 8/20 μ s Surge Current | | | 100 | kA |
| Nominal Discharge Current Rating (In) | | 20 | | kA |

AC Surge Protector SPD SP PLUS Brick 120/240 Vac
 Split-Phase MOV 100 kA, UL 1449 5th Ed. Type 2, TAA



B70-00-6002

Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|-------------------------------------|---------|---------|---------|-------|
| VPR 8/20μs L - L | | | 1,200 | Vpk |
| VPR 8/20μs L - N | | | 800 | Vpk |
| VPR 8/20μs L - G | | | 700 | Vpk |
| VPR 8/20μs N - G | | | 700 | Vpk |
| Response Time | | | 25 | ns |
| SCCR (Short Circuit Current Rating) | 100 | | | kAIC |

Mechanical Specifications

Size

| | | |
|------------------------------|--------------------|-------------|
| Height | 3.5 in | [88.9 mm]. |
| Width | 6.3 in | [160.02 mm] |
| Depth | 6.3 in | [160.02 mm] |
| Weight | 3 lbs | [1.36 kg] |
| Housing Material and Plating | Gray Polycarbonate | |

Environmental Specifications

| | |
|---------------------------------|--------------------|
| Temperature Range (Operational) | -40 to +85 deg C |
| Environmental Protection Rating | NEMA 1 |
| Humidity | 95% non-condensing |

Installation

| | |
|-------------------------|--|
| Mount Type | Panel |
| Service Wiring Terminal | #10 Electrical Wires to #20 Dry-C Form Contact Wires |

Compliance Certifications

| | |
|--------------------------------|------------------------|
| UL Compliant Certifications | Yes UL 1449 5th Ed. |
|--------------------------------|------------------------|

AC Surge Protector SPD SP PLUS Brick 120/240 Vac Split-Phase MOV 100 kA, UL 1449 5th Ed. Type 2, TAA



B70-00-6002

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 SP PLUS Brick 120/240 Vac Split-Phase MOV 100 kA, UL 1449 5th Ed. Type 2, TAA B70-00-6002](https://www.transtector.com/ac-surge-protector-spd-sp-plus-brick-b70-00-6002-p.aspx)

URL: <https://www.transtector.com/ac-surge-protector-spd-sp-plus-brick-b70-00-6002-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

B70-00-6002 CAD Drawing

AC Surge Protector SPD SP PLUS Brick 120/240 Vac Split-Phase MOV 100 kA, UL 1449 5th Ed. Type 2, TAA

