TRANSTECTOR™
an INFINITE brand

AC Surge Protector SPD SP PLUS Brick 277/480 Vac 3-Phase Wye MOV 100 kA, UL 1449 4th Ed. Type 1 or Type 2




**B70-00-6013**
LEA SP 100 277/480-3Y

## Features

- UL1449 4th Ed.
- High Capacity MOV Protection
- Suppression Status LEDs
- Dry Contact Remote Annunciation Wire Leads
- Wall Mount

## 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) B70-00-6013 from Transtector is a UL1449 4th Ed. brick style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 277/480 Vac 3-Phase Wye 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 | | 277/480 | | Vac |
| Service Type | | 3-Phase Wye | | |
| Frequency | 50 | | 60 | Hz |
| Maximum Continuous Operating Voltage (MCOV) | | | | |
| L - L | | | 552 | Vac |
| L - N | | | 319 | Vac |
| L - G | | | 319 | Vac |
| N - G | | | 319 | Vac |

## Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|

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 277/480 Vac 3-Phase Wye MOV 100 kA, UL 1449 4th Ed. Type 1 or Type 2 B70-00-6013


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| | | | |
|---|---|---|---|
| Surge Protection Technology | MOV | | |
| Protection Modes | L-L, L-N, L-G | | |
| 8/20µs Surge Current | | 100 | kA |
| Nominal Discharge Current Rating (In) | 10 | | kA |
| VPR 8/20µs | | | |
| L - L | | 2,000 | Vpk |
| L - N | | 1,200 | Vpk |
| L - G | | 1,200 | Vpk |
| N - G | | 1,200 | 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 4 |
| Humidity | 95% non-condensing |

## Installation

| | |
|---|---|
| Mount Type | Panel |

## Compliance Certifications

| | |
|---|---|
| UL Compliant | Yes |
| Certifications | UL 1449 4th 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.

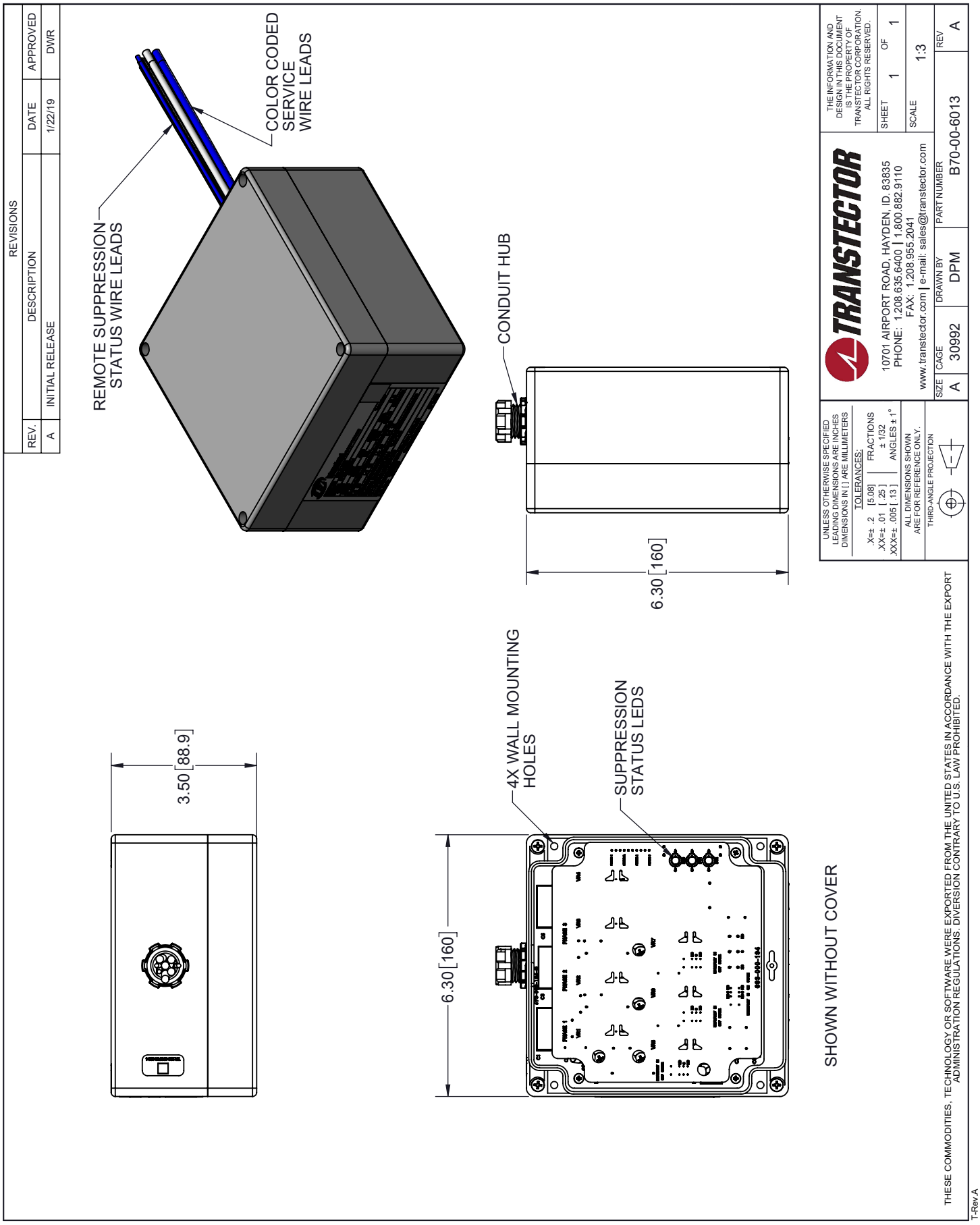
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URL: https://www.transtector.com/ac-surge-protector-spd-sp-plus-brick-b70-00-6013-p.aspx

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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## B70-00-6013 CAD Drawing





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