

## AC Surge Protector SPD SP PLUS Brick 480 Vac 3-Phase Delta MOV 200 kA, UL 1449 4th Ed. Type 2

**B70-00-7020**  
LEA SP 200 480-3D



### 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) B70-00-7020 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 480 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		480		Vac
Service Type		3-Phase Delta		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV)				
L - L			508	Vac
L - G			508	Vac

### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-G, L-L		

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 480 Vac 3-Phase Delta MOV 200 kA, UL 1449 4th Ed. Type 2 B70-00-7020](#)

AC Surge Protector SPD SP PLUS Brick 480 Vac 3-Phase  
 Delta MOV 200 kA, UL 1449 4th Ed. Type 2



**B70-00-7020**  
 LEA SP 200 480-3D

8/20 $\mu$ s Surge Current		200	kA
Nominal Discharge Current Rating (In)	20		kA
VPR 8/20 $\mu$ s			
L - L		2,000	Vpk
L - G		2,000	Vpk
Response Time		25	ns
SCCR (Short Circuit Current Rating)	42		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	5 lbs	[2.27 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 Certifications	Yes UL 1449 4th Ed.
-----------------------------	------------------------

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 480 Vac 3-Phase Delta MOV 200 kA, UL 1449 4th Ed. Type 2 B70-00-7020](#)

AC Surge Protector SPD SP PLUS Brick 480 Vac 3-Phase  
Delta MOV 200 kA, UL 1449 4th Ed. Type 2

**B70-00-7020**  
LEA SP 200 480-3D



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 480 Vac 3-Phase Delta MOV 200 kA, UL 1449 4th Ed. Type 2 B70-00-7020](#)

URL: <https://www.transtector.com/ac-surge-protector-spd-sp-plus-brick-b70-00-7020-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.

B70-00-7020 CAD Drawing

REV. REVISIONS		DATE	APPROVED
REV.	DESCRIPTION	1/22/19	DWR
A	INITIAL RELEASE		

  

COLOR CODED SERVICE WIRE LEADS  
REMOTE SUPPRESSION STATUS WIRE LEADS

  

3.54 [89.9]  
6.30 [160]

  

9.45 [240]  
6.30 [160]

SUPPRESSION STATUS LEDS  
4X WALL MOUNTING HOLES  
CONDUIT HUB

  
  

<p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN [ ] ARE IN MILLIMETERS</p> <p>TOLERANCES:</p> <table style="width: 100%;"> <tr> <td>.X±.2 [5.08]</td> <td>FRACTIONS ± 1/32</td> </tr> <tr> <td>.XX±.01 [.25]</td> <td>ANGLES ± 1°</td> </tr> <tr> <td>.XXX±.005 [.13]</td> <td>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</td> </tr> </table> <p>THIRD-ANGLE PROJECTION</p>	.X±.2 [5.08]	FRACTIONS ± 1/32	.XX±.01 [.25]	ANGLES ± 1°	.XXX±.005 [.13]	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	<p style="text-align: center;"><b>TRANSTECTOR</b></p> <p>10701 AIRPORT ROAD, HAYDEN, ID. 83835 PHONE: 1.208.635.6400   1.800.882.9110 FAX: 1.208.955.2041 www.transtector.com   e-mail: sales@transtector.com</p>	<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1 SCALE 1:3</p>
.X±.2 [5.08]	FRACTIONS ± 1/32							
.XX±.01 [.25]	ANGLES ± 1°							
.XXX±.005 [.13]	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.							
SIZE A	CAGE DRAWN BY DPM	PART NUMBER B70-00-7020						
REV A								

  

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.