

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



SP50RS-1201P 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-1201P 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 Vac Single-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		Vac
Service Type		Single-Phase		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV)				
L - N			150	Vac
L - G			300	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 120 Vac Single-Phase MOV 50 kA, UL 1449 4th Ed. Type 1 and Type 2, RoHS SP50RS-1201P](#)

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



SP50RS-1201P

SP50RS Series

Protection Modes	L-N, L-G		
8/20 μ s Surge Current		50	kA
Nominal Discharge Current Rating (In)	20		kA
VPR 8/20 μ s			
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
-----------------------------	---

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 Vac Single-Phase MOV 50 kA, UL 1449 4th Ed. Type 1 and Type 2, RoHS SP50RS-1201P](#)

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

SP50RS-1201P
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.

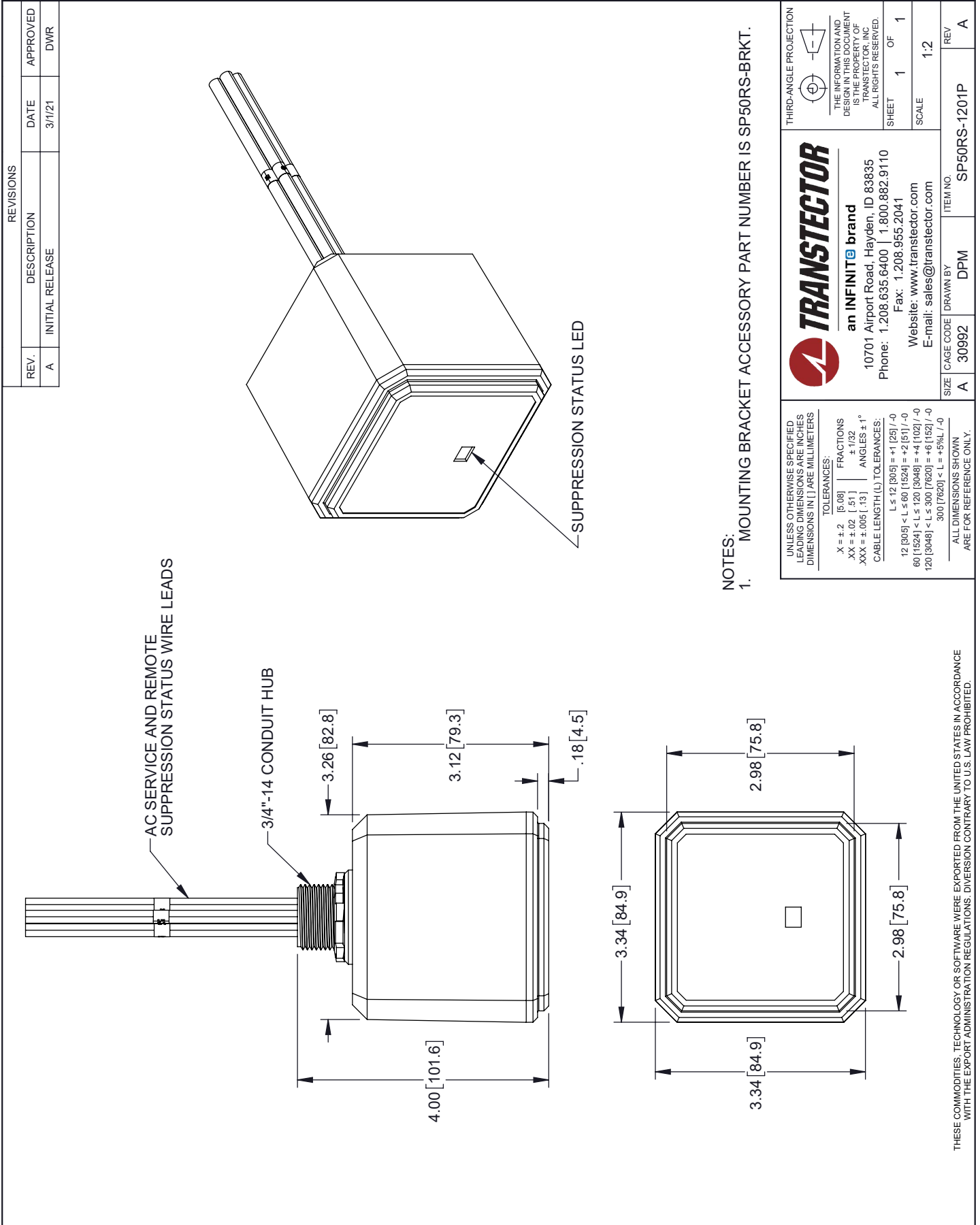
Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: [AC Surge Protector SPD SP PLUS Brick 120 Vac Single-Phase MOV 50 kA, UL 1449 4th Ed. Type 1 and Type 2, RoHS SP50RS-1201P](#)

URL: <https://www.transtector.com/ac-surge-protector-spd-sp-plus-brick-sp50rs-1201p-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.

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

SP50RS-1201P CAD Drawing



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/1/21	DWR

NOTES:
1. MOUNTING BRACKET ACCESSORY PART NUMBER IS SP50RS-BRKT.

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>X ± .2 [.08] FRACTIONS XX ± .02 [.51] ± 1/32 XXX ± .005 [.13] ANGLES ± 1°</p> <p>CABLE LENGTH (L) TOLERANCES: L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>		<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR, INC. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1 SCALE 1:2</p>	
<p>TRANSTECTOR an INFINIT[®] brand 10701 Airport Road, Hayden, ID 83835 Phone: 1.208.635.6400 1.800.882.9110 Fax: 1.208.955.2041 Website: www.transsector.com E-mail: sales@transsector.com</p>		ITEM NO.	REV
SIZE	CAGE CODE	DRAWN BY	SP50RS-1201P
A	30992	DPM	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.

T-Rev D