

DC Surge Protector SPD FSP Indoor 2x2 Brick
 24 Vdc, 8 Wire 4x Full-Mode SASD 4 Pair

1101-849
FSP 8002 MC



Features

- UL 94-5V Enclosure
- 4 Balanced Pair and One Ground
- Models for Wide Range of Balanced Pair Voltages
- Terminal Block Connectivity
- Dedicated Ground Stud
- Wall Mount

Applications

- Industrial Automation
- Controls & Sense Loops
- Telecommunications Base Stations
- IT & Data Centers
- Wastewater Treatment
- Rail
- Oil & Gas
- LED Lighting

Description

DC surge protector (also known as SPD or lightning protector) 1101-849 from Transtector is a 2x2 brick style SPD that utilizes state of the art SASD technology to protect critical equipment that operates on a 24 Vdc 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 DC surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages		24		Vdc
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			36	Vdc

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		
Surge Protection Modes		Signal to GND, Signal to Signal		
Response Time			5	ns
VPL 8/20µs L-G			70 @ 1000A	Vpk
VPL 10/1000µs			70 @ 100A	Vpk

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[DC Surge Protector SPD FSP Indoor 2x2 Brick 24 Vdc, 8 Wire 4x Full-Mode SASD 4 Pair 1101-849](#)

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Mechanical Specifications

Size

Height	2.2 in	[55.88 mm]
Width	2.2 in	[55.88 mm]
Depth	0.9 in	[22.86 mm]
Weight	0.2 lbs	[90.72 g]
Housing Material and Plating	Plastic	

Environmental Specifications

Temperature

Operating Range	-40 to +65 deg C
Storage Range	-40 to +65 deg C
Humidity	90% non-condensing

Installation

Mount Type	Wall/Panel
Service Wiring Terminal	
Screw Terminal	#28 to #12 AWG

Compliance Certifications

UL Compliant	Yes
Certifications	UL 94-5V

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.

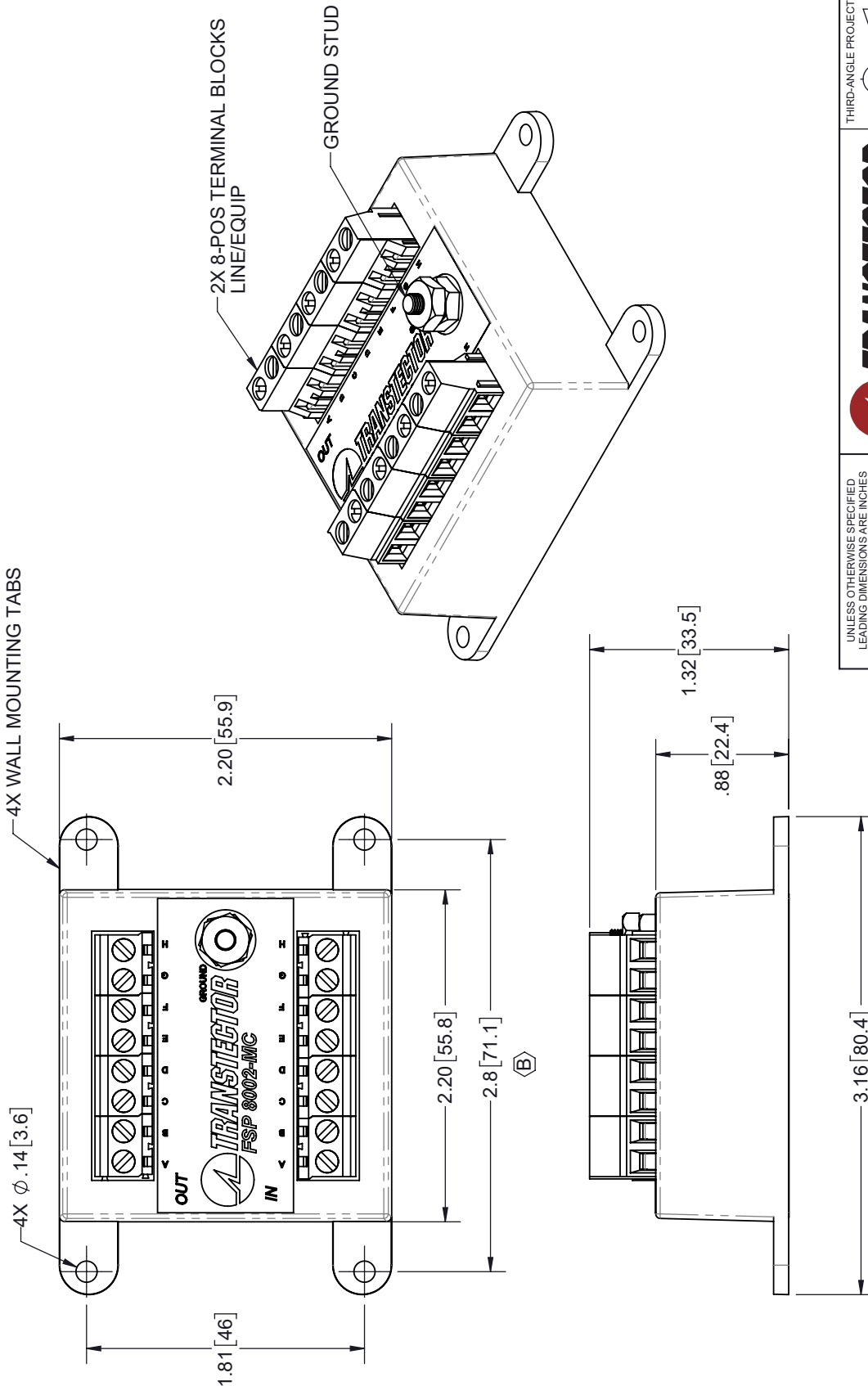
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [DC Surge Protector SPD FSP Indoor 2x2 Brick 24 Vdc, 8 Wire 4x Full-Mode SASD 4 Pair 1101-849](#)

URL: <https://www.transtector.com/dc-surge-protector-spd-fsp-indoor-2x2-1101-849-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.

1101-849 CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/17/19	DWR
B	REFER TO PCR	1/5/21	DWR



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 X ± .2 [5.08] | FRACTIONS ± 1/32
 XX ± .02 [51] | ANGLES ± 1°
 XXX ± .005 [13] | 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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

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SCALE 1:1

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	30992	HMB	1101-849	B