

AC SPD 277V Single-Phase, 25kA/Phase



SP25-277S-TT

SP25 277V Single-Phase

Features

- UL 1449 5th Edition Listed, Type 2 SPDs
- Meets NEC Article 230.67 for Dwelling Unit SPD Requirement
- High Capacity 25kA MOV Protection

- No External Fuses Required
- Local and Remote Visual Status Indicators
- NEMA 4X Enclosure Rating, Watertight and Corrosion-Proof

Applications

- Panelboards
- Communications Base Stations
- Industrial Automation
- Electric Vehicle Charging Stations
- Renewable Energy
- IT & Data Centers
- Automatic Transfer Switches
- Motor Control Centers

Description

AC surge protector (also known as SPD or lightning protector) SP25-277S-TT from Transtector is a UL1449 5th Ed. panel style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 277Vac 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		277		Vac
Service Type		Single-Phase		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV)			320	Vac
L - N				

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-N, L-G, N-G		
8/20μs Surge Current			25	kA
Nominal Discharge Current Rating (In)		10		kA
VPR 8/20μs L - N			2,500	Vpk
VPR 8/20μs L - G			1,200	Vpk
VPR 8/20μs N - G			1,200	Vpk
SCCR (Short Circuit Current Rating)	200			kaIC

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Mechanical Specifications

Size

Height	1.63 in [41.4 mm].
Width	2.87 in [72.9 mm]
Depth	3.54 in [89.92 mm]
Weight	0.4 lbs [181.44 g]
Housing Material and Plating	Plastic

Environmental Specifications

Temperature Range (Operational)	-40 to +80 deg C
Temperature Range (Storage)	-40 to +80 deg C
Environmental Protection Rating	NEMA 4X

Installation

Mount Type	Wall Mount
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Compliance Certifications

UL Compliant Certifications	Yes UL 1449 5th 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [AC SPD 277V Single-Phase, 25kA/Phase SP25-277S-TT](#)

URL: <https://www.transtector.com/ac-surge-protector-spd-panel-277-vac-sp25-277s-tt-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.

SP25-277S-TT CAD Drawing

AC SPD 277V Single-Phase, 25kA/Phase

