

AC SPD Type 2 EMI Filtered 120/240Vac
Split-Phase 100kA/phase



SP100-T2F-240SP-TT

SP100 120/240V Split-Phase

Features

- UL 1449 5th Edition Listed, Type 2 SPDs
- UL 1283 Listed, EMI Filtering up to -45dB 10kHz to 100MHz
- High Capacity 100kA MOV Protection
- No External Fuses Required

- Local and Remote Visual Status Indicators
- NEMA 4X Enclosure Rating, Watertight and Corrosion-Proof
- Surge Counter

Applications

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

Description

AC surge protector (also known as SPD or lightning protector) SP100-T2F-240SP-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 120/240Vac Split-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 Type			Split-Phase	
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV) L - L			300	Vac
Maximum Continuous Operating Voltage (MCOV) L - N			150	Vac

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-N, L-L		
8/20μs Surge Current			100	kA
Nominal Discharge Current Rating (In)		20		kA
VPR 8/20μs L - L			1,200	Vpk
VPR 8/20μs L - N			600	Vpk

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Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Response Time			25	ns
SCCR (Short Circuit Current Rating)		200		kAIC

Mechanical Specifications

Size		
Height	9.84 in	[249.94 mm].
Width	5.91 in	[150.11 mm]
Depth	4.17 in	[105.92 mm]
Weight	4 lbs	[1.81 kg]
Housing Material and Plating	Polyamide	

Environmental Specifications

Temperature Range (Operational)	-40 to +75 deg C
Temperature Range (Storage)	-40 to +75 deg C
Environmental Protection Rating	NEMA 4
Humidity	95% non-condensing

Installation

Mount Type	Wall Mount
Service Wiring Terminal	#10 to

Compliance Certifications

UL Compliant	Yes
Certifications	UL 1449 5th Ed.
	UL 1283

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 Type 2 EMI Filtered 120/240Vac Split-Phase 100kA/phase SP100-T2F-240SP-TT](#)

URL: <https://www.transtector.com/ac-surge-protector-spd-sp-plus-panel-sp100-t2f-240sp-tp.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.

SP100-T2F-240SP-TT CAD Drawing

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