

AC Surge Protector SPD SP PLUS Brick 120, 240 Vac Split-Phase
MOV 50 kA, UL 1449 4th Ed. Type 1 and Type 2, CE, RoHS

SP50-240SP LEA SP PLUS 50



Features

- UL1449 4th Ed. Type 1/Type 2
- High Capacity MOV Protection
- Suppression Status LEDs
- Wall 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) SP50-240SP 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 120/240 Vac 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 Voltages		120/240		Vac
Service Type		Split-Phase		
Maximum Continuous Operating Voltage (MCOV)				
L - L			360	Vac
L - N			180	Vac

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-N, L-L		
8/20 μ s Surge Current			50	kA

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, 240 Vac Split-Phase MOV 50 kA, UL 1449 4th Ed. Type 1 and Type 2, CE, RoHS SP50-240SP](#)

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Nominal Discharge Current Rating (In)	20	kA
VPR 8/20 μ s		
L - L	1,200	Vpk
L - N	700	Vpk
Response Time	25	ns
SCCR (Short Circuit Current Rating)	200	kAIC

Mechanical Specifications

Size		
Height	2.45 in	[62.23 mm]
Width	4.45 in	[113.03 mm]
Depth	5.71 in	[145.03 mm]
Weight	1.3 lbs	[589.67 g]
Housing Material and Plating	Plastic Enclosure	

Environmental Specifications

Temperature Range (Operational)	-40 to +85 deg C
Environmental Protection Rating	NEMA 4X
Humidity	90% non-condensing

Installation

Mount Type	Panel
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Compliance Certifications

RoHS Compliant	Yes
CE Compliant	Yes
UL Compliant	Yes
Certifications	UL 1449 4th Ed. Type 1 and Type 2

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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.

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SP50-240SP CAD Drawing

