

AC Surge Protector SPD SP PLUS Brick 277/480 Vac 3-Phase Wye MOV 100 kA, UL 1449 5th Ed. Type 2, TAA



B70-00-6010

LEA SP 100 277/480-3Y

Features

- UL1449 5th Ed.
- High Capacity MOV Protection
- Suppression Status LEDs
- Dry Contact Remote Annunciation Wire Leads
- Wall Mount

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) B70-00-6010 from Transtector is a UL1449 5th Ed. brick style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 277/480 Vac 3-Phase Wye 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		3-Phase Wye		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV) L - L			508	Vac
Maximum Continuous Operating Voltage (MCOV) L - N			293	Vac
Maximum Continuous Operating Voltage (MCOV) L - G			293	Vac
Maximum Continuous Operating Voltage (MCOV) N - G			293	Vac

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-L, L-N, L-G		
8/20 μ s Surge Current			100	kA
Nominal Discharge Current Rating (In)		10		kA

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Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
VPR 8/20μs L - L			2,000	Vpk
VPR 8/20μs L - N			1,200	Vpk
VPR 8/20μs L - G			1,200	Vpk
VPR 8/20μs N - G			1,200	Vpk
Response Time			25	ns
SCCR (Short Circuit Current Rating)	100			kAIC

Mechanical Specifications

Size

Height	3.5 in	[88.9 mm].
Width	6.3 in	[160.02 mm]
Depth	6.3 in	[160.02 mm]
Weight	3 lbs	[1.36 kg]
Housing Material and Plating	Gray Polycarbonate	

Environmental Specifications

Temperature Range (Operational)	-40 to +85 deg C
Environmental Protection Rating	NEMA 4X
Humidity	95% non-condensing

Installation

Mount Type	Panel
Service Wiring Terminal	#10 Electrical Wires to #20 Dry-C Form Contact Wires

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 Surge Protector SPD SP PLUS Brick 277/480 Vac 3-Phase Wye MOV 100 kA, UL 1449 5th Ed. Type 2, TAA B70-00-6010](https://www.transtector.com/ac-surge-protector-spd-sp-plus-brick-b70-00-6010-p.aspx)

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B70-00-6010 CAD Drawing

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