

AC Surge Protector SPD LS PLUS Panel 120/240 Vac Split-Phase MOV 100 kA, UL 1449 5th Ed. Type 1 or Type 2

B39-00-1001



LEA LS PLUS 100 120/240-SP

Features

- UL1449 5th Ed. Type 1/Type 2
- High Capacity MOV Protection
- Suppression Status LEDs
- Surge Counter
- Audible Alarm
- Dry Contact Remote Annunciation Wire Leads

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) B39-00-1001 from Transtector is a UL1449 5th Ed. Type 1/Type 2 panel 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		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV)				
L - L			276	Vac
Maximum Continuous Operating Voltage (MCOV)				
L - N			138	Vac
Maximum Continuous Operating Voltage (MCOV)				
L - G			138	Vac
Maximum Continuous Operating Voltage (MCOV)				
N - G			138	Vac

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-N, L-G, L-L, N-G		
8/20 μ s Surge Current			100	kA

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Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Nominal Discharge Current Rating (In)		20		
VPR 8/20μs				
L - L			1,200	Vpk
VPR 8/20μs				
L - N			800	Vpk
VPR 8/20μs				
L - G			900	Vpk
VPR 8/20μs				
N - G			900	Vpk
Response Time			25	ns
SCCR (Short Circuit Current Rating)		100		kAIC

Mechanical Specifications

Size

Height	14 in	[355.6 mm].
Width	12 in	[304.8 mm]
Depth	6 in	[152.4 mm]
Weight	24 lbs	[10.89 kg]

Environmental Specifications

Temperature Range (Operational)	-40 to +65 deg C
Environmental Protection Rating	NEMA 3R
Humidity	95% non-condensing

Installation

Service Wiring Terminal	#8 to #10 AWG
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Compliance Certifications

UL Compliant	Yes
Certifications	UL 1449 5th Ed. Type 1 or Type 2 IEEE Category C High and B Medium

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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 LS PLUS Panel 120/240 Vac Split-Phase MOV 100 kA, UL 1449 5th Ed. Type 1 or Type 2 B39-00-1001](https://www.transtector.com/ac-surge-protector-spd-ls-plus-panel-b39-00-1001-p.aspx)

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B39-00-1001 CAD Drawing

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