

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



SP100-T2F-240SP-LC

Features

- UL 1449 4th 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

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-LC from L-com is a UL1449 4th 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. L-com AC surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages		240/120		Vac
Service Type		Split-Phase		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV)				
L - L			300	Vac
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

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-LC](#)

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L - L		1,200	Vpk
L - N		600	Vpk
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	4.3 lbs	[1.95 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
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Compliance Certifications

UL Compliant Certifications	Yes UL 1449 4th Ed.
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UL 1283

Our portfolio includes cable assemblies, connectors, adapters and custom products, as well as their wireless product line which includes antennas, RF amplifiers, coaxial lightning and surge protectors, and NEMA rated enclosures.

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URL: <https://www.l-com.com/ac-spd-type-2-emi-filtered-120-240vac-split-phase-100ka-phase-sp100-t2f-240sp-lc-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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing

