AC SPD Surge Counter Type 2 EMI Filtered 120Vac Single-Phase 300kA/phase

SP300-T2F-1201P-LC

120V Single-Phase

Features

- UL 1449 4th Edition Listed, Type 2 SPDs
- UL 1283 Listed, EMI Filtering up to -45dB 10kHz to 100MHz
- High Capacity 300kA 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) SP300-T2F-1201P-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 120Vac single-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		120		Vac
Service Type		Single-Phase		
Frequency	50		60	Hz
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, N-G		
8/20µs Surge Current			300	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
VPR 8/20µs				
N - G			700	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	4.7 lbs	[2.13 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 4X
Humidity	95% non-condensing

Installation

Mount Type	Wall Mount
Service Wiring Terminal	#10 Electrical Wires to

Compliance Certifications

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

AC SPD Surge Counter Type 2 EMI Filtered 120Vac Single-Phase 300kA/phase from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: https://www.l-com.com/ac-spd-type-2-emi-filtered-120vac-single-phase-300ka-phase-sp300-t2f-1201p-lc-p.aspx

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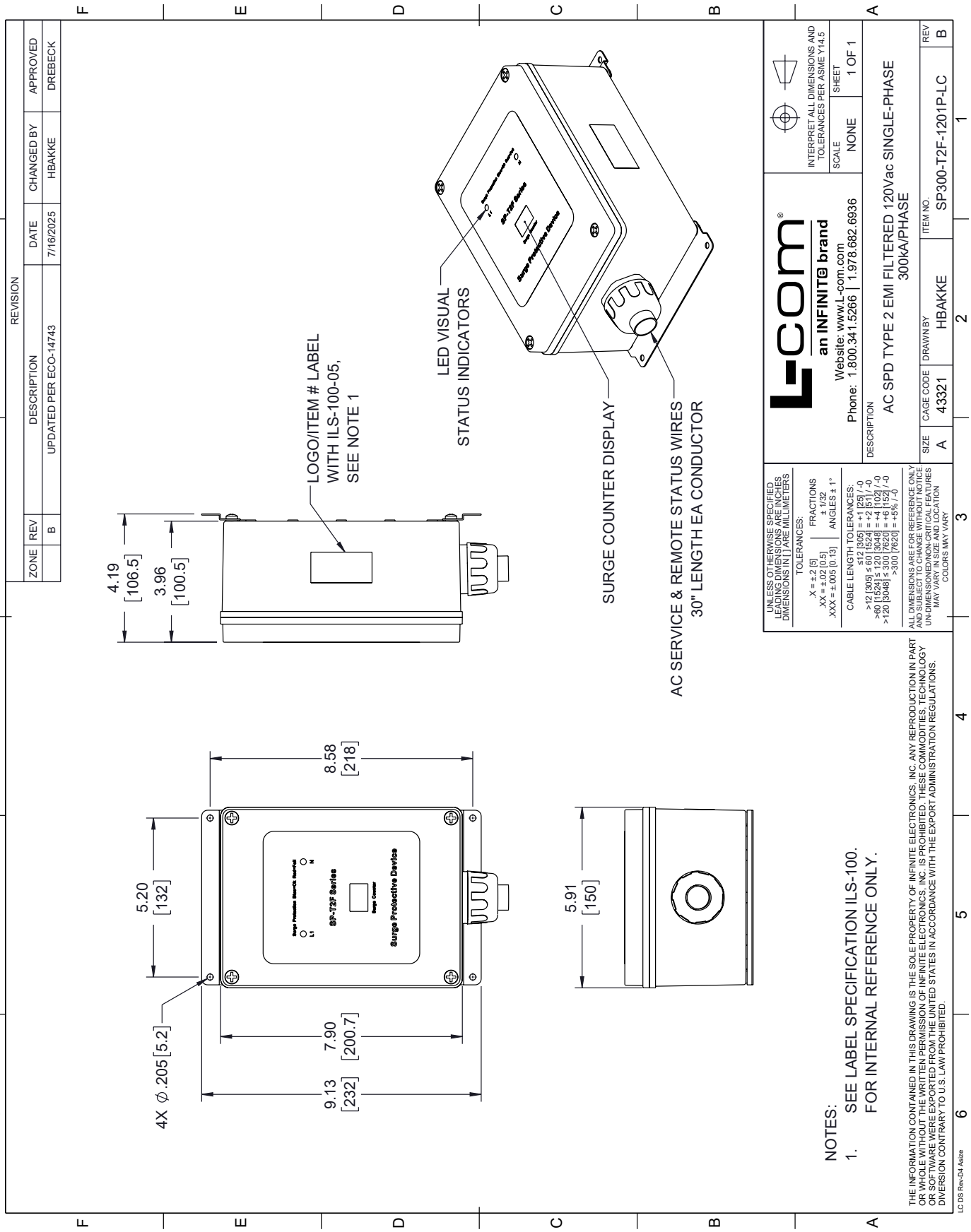
SP300-T2F-1201P-LC CAD Drawing

AC SPD Surge Counter Type 2 EMI Filtered 120Vac Single-Phase 300kA/phase



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