



LoadTrack LTE-30A

SYSTEM FEATURES



- Provides surge protection against harmful transient voltages that exceed the nominal operating voltage of AC and DC critical dedicated control loads
- Ideal for protecting the PLC's, Building management systems, OEM & systems integration controls and other microprocessor-based loads
- Compact, fail-safe design allows flexible installation into electrical/control panels

- Dual Component-Level Fusing (CLF) standard
- Enhanced Transient Filter (ETF) standard
- · Reduce lockups, glitches and reprogramming issues

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 40kA per phase Application: ANSI.IEEE C62.41 Location C, B & A

Design: Ultra compact, fail-safe design with dual com-

ponent-level fusing

Safety Listing: ETL recognized component under UL 1449 3rd Edition as a type 4 SPD, cETL, and under UL 1283 as an electromagnetic filter.

ELECTRICAL SPECIFICATIONS

Input Power Frequency: 47-64Hz

Maximum Continuous Operating Current: 30 amps

Modes of Discrete Suppression Circuitry: All modes L-N, L-G & N-G

Response Time: < 1 nanosecond

Standard Monitoring: Status indicating light

Short Circuit Current Rating: 100kAIC short circuit current rating with a 30 amp max Class T fuse

MECHANICAL SPECIFICATIONS

Dimensions: 3.94"H x 2.80"W x 2.28"D Enclosure: ABS Plastic UL94-5VA

Connection Method: Hard-wired via box terminals

#16AWG - #8 AWG

Mounting Method: Screw down or Din-Rail mounted. Operating Temperature: -40° C to 85° C (-40° F to

185° F)

Weight: 1.00 lbs. (0.45 kg)

LTE PERFORMANCE SPECIFICATIONS

ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage

B3/C1

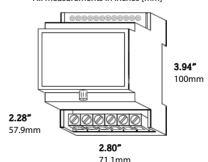
Model Number	Mode	A1 Ring Wave 2kV, 67A	A3 Ring Wave 6kV, 200A	Impulse Wave 6kV, 3kA
(Working Voltage)		180° Phase Angle	180° Phase Angle	90° Phase Angle
TK-LTE120-30A-DIN2	L-N	28V	108V	444V
(48-150 VAC)	L-G	28V	104V	440V
(48-200 VDC)	N-G	24V	100V	456V
TK-LTE250-30A-DIN2	L-N	28V	96V	744V
(120-260 VAC)	L-G	32V	96V	828V
(120-300 VDC)	N-G	28V	100V	772V

All voltages are peak values (+10%) from the zero reference point at the phase angles referenced above using a 10 μs/div display rate and 500MS/s sampling rate. Specifications subject to change without notice.

EMI/RFI FILTER ATTENUATION—MIL STANDARD

Frequency	Attenuation	
1kHz	2dB	
10kHz	13dB	
100kHz	31dB	
1MHz	32dB	
10MHz	20dB	
20MHz	15dB	
Max. attenuation	33dB @ 500kHz	

All measurements in inches [mm]





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