



LoadTrack LT-15A

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: 20kA per phase Application: ANSI.IEEE C62.41 Location C, B & A Design: Ultra compact, fail-safe design with dual component-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: 15 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 15 amp max Class T fuse

MECHANICAL SPECIFICATIONS

Dimensions: 3.94"H x 1.40"W x 2.28"D **Enclosure: ABS Plastic UL94-5VA**

Connection Method: Hard-wired via box terminals

#22AWG - #12 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)

LT PERFORMANCE SPECIFICATIONS

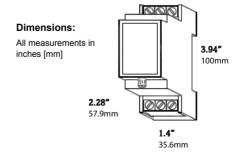
ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage

B3/C1 A1 Ring Wave Impulse Wave A3 Ring Wave Mode 2kV, 67A 6kV, 200A 6kV, 3kA Model Number (Working Voltage) 180° Phase Angle 180° Phase Angle 90° Phase Angle TK-LT24-15A-DIN2 I -N 44V 83V 152V L-G 75V 91V 173V (5-30 VAC) (5-38 VDC) N-G 50V 85V 173V 44V TK-LT48-15A-DIN2 L-N 115V 197\/ L-G 97V 145V 225V (25-50 VAC) (24-65 VDC) N-G 49V 117V 193V 47V 127V 438\/ TK-LT120-15A-DIN2 L-N L-G 92V 239V 496V (48-150 VAC) 47V (48-200 VDC) N-G 128V 470V 49V TK-LT250-15A-DIN2 130V 851V L-N (120-260 VAC) L-G 90V 234V 955V (120-300 VDC) N-G 48V 130V 960V

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	1dB
10kHz	5dB
100kHz	29dB
1MHz	32dB
10MHz	8dB
20MHz	9dB





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