

# 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

Model Number

(5-30 VAC)

(5-38 VDC)

(25-50 VAC)

(24-65 VDC)

(48-150 VAC)

(48-200 VDC)

(120-260 VAC)

(120-300 VDC)

(Working Voltage)

TK-LT24-15A-DIN2

TK-LT48-15A-DIN2

TK-LT120-15A-DIN2

LT PERFORMANCE SPECIFICATIONS

Mode

L-N

L-G

N-G

L-N

L-G

N-G

L-N

L-G

N-G

L-G

N-G

- Dual Component-Level Fusing (CLF) standard
- Enhanced Transient Filter (ETF) standard
- 15-year Unlimited Free Replacement Warranty
- · Reduce lockups, glitches and reprogramming issues

A3 Ring Wave

6kV, 200A

180° Phase Angle

83V

91V

85V

115V

145V

117V

127V

239V

128V

130V

234V

130\/

B3/C1

Impulse Wave

6kV, 3kA

90° Phase Angle

152V

173V

173V

197V

225V

193V

438V

496V

470V

851V

955V

960\/

#### **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

Warranty: 15-Year Unlimited Free Replacement

Safety Listing: ETL recognized component under UL 1449 4th Edition as a type 4 SPD, cETL, and under UL1283 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, and 5kAIC with a 15 amp breaker.

## **MECHANICAL SPECIFICATIONS**

Dimensions: 3.94"L x 1.40"W x 2.28"H

Enclosure: Polycarbonate Rated V0

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)

#### **Options:**

Dry Relay Contacts: add suffix "-R". Form C (N/O, N/C) relay contacts rated at 1 amp at 120VAC





TK-LT250-15A-DIN2		L-N

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, see web site www.tpssurge.com latest revisions.

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

A1 Ring Wave

2kV. 67A

180° Phase Angle

44V

75V

50V

44V

97V

49V

47V

92V

47V

49V

90V

48V

#### **EMI/RFI FILTER ATTENUATION—MIL STANDARD**

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

All measurements in inches [mm]

