

LoadTrack LT

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 PLCs, fire alarm panels, CNC control systems, POS, 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
- Recognized under UL 1449 2nd Edition as TVSS, UL 1283 as Electromagnetic Filter and cUL
- 15-Year Unlimited Free Replacement
 Warranty

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 30kA per phase Application: ANSI/IEEE C62.41 Location C, B & A Design: Ultra compact, fail-safe design with dual componentlevel fusing Warranty: 15-Year Unlimited Free Replacement Safety Listing: Recognized under UL 1449 2nd Edition TVSS, cUL, UL 1283 Filter

ELECTRICAL SPECIFICATIONS

Modes of Protection: All modes. L-N, L-G, & N-G Input Power Frequency: 47-64 Hz Maximum Continuous Operating Current: 15 amps 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: 4.25"H x 4.65"W x 1.35"D Enclosure: ABS Plastic UL94-5VA Connection: Hard-wired via box terminals 22 AWG – 12 AWG conductor Mounting: Multi-point mounting feet Operating Environment: -40° C to 70° C (-40° F to 160° F); 5% to 95% non-condensing humidity Weight: 1 lbs (0.45 kg)

AVAILABLE CONFIGURATIONS

Model Number	Voltage	Configuration	
TK-LT24-15A	24V AC or DC	1ø 2-wire + grd	
TK-LT48-15A	48V AC or DC	1ø 2-wire + grd	
TK-LT120-15A	120V AC or DC	1ø 2-wire + grd	
TK-LT250-15A	250V AC or DC	1ø 2-wire + grd	

EMI / RFI FILTER ATTENUATION – MIL STANDARD 220B

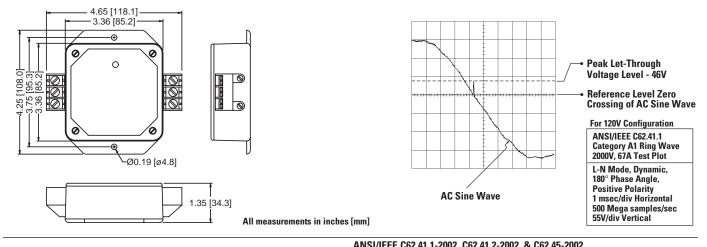
Attenuation
1 dB
12 dB
30 dB
32 dB
20 dB
23 dB
33 dB @ 372kHz







LoadTrack LT



		System			ANSI/IEEE C62.4			
				AC MCOV	Measured Limited Voltage			UL SVR
					All Models A1 Ring Wave 2kV, 67A 180° Phase Angle	All Models A3 Ring Wave 6kV, 200A 180° Phase Angle	B3/C1 Impulse Wave 6kV, 3kA	UL 1449 2nd Edition Suppressed Voltage Ratings
	System							
	TK-LT24-15A 5-30 VAC 5-38 VDC							
		L-G	30V	71V	101V	190V	N/A	
2-20 ADC		N-G	30V	41V	89V	181V	N/A	
TK_I T48-15A		1-Phase 2-wire+grnd	L-N	50V	43V	96V	187V	N/A
	24-50 VAC 24-65 VDC		L-G	50V	96V	139V	218V	N/A
	24-03 VDC		N-G	50V	40V	117V	229V	N/A
TK-LT120-15A		1-Phase 2-wire+grnd	L-N	150V	51V	139V	415V	400V
	48-150 VAC 48-200 VDC		L-G	150V	82V	253V	474V	400V
	40-200 VDC		N-G	150V	46V	143V	493V	400V
TK-LT250-15A		1-Phase 2-wire+grnd	L-N	275V	48V	123V	808V	800V
	120-275 VAC		L-G	275V	94V	245V	871V	800V
	120-300 VDC		N-G	275V	50V	139V	891V	800V

All voltages are peak values (±10%) measured from the zero reference point at the phase angles referenced above using a 10 µs/div display rate and 500 MS/s sampling rate. Specifications subject to change without notice, see web site, www.TPSsurge.com for latest revisions.



