Total Protection Solutions

ComTrack™ SLP-DIN2

System Features



Provides surge protection against harmful transients traveling on data and communications lines.

Compact footprint allows for installation flexibility

10-Year Unlimited Free Replacement Warranty

Two, Four, Six, Eight and Ten wire units.

- Models for circuits up to 190 volts.
- Install on data and signal lines carrying <400mA current with a max data rate of 10Mbps. For power applications over 400mA use LT series.

Product Specifications

General Specifications

Maximum Rated Surge Current: 18kA per pair

Applications: RS232, RS422/423/485 data, 4-20 mA current loop circuits and signal lines

Design: Multistage hybrid fail-safe design

Warranty: 10-Year Unlimited Free Replacement

Electrical Specifications

Strength: 18kA per pair; 9kA per wire

Maximum Operating Frequency: 50MHz

Maximum Continuous Amperage: 400mA

Mode of Protection: Line-line and line-ground.

Options: RJ-45 connectors—add suffix "RJ" (available for units with 8 wires only)

Response Time: < 1 nanosecond

Number of Protected Circuit: 1-5 pair (2-10 wire)

Series Resistance: 2.4 ohm per wire

Mechanical Specifications

Dimensions (approx): Two enclosure sizes depending on the number of circuits

Case A (2-4 wire): 3.94"H x 1.4"W x 2.28"D

Case B (6-10 pair): 3.94"H x 2.8"W x 2.28"D

Enclosure Type: Polycarbonate Rated V0

Connection Method: Hard-wired via box terminals #22AWG - #12AWG

Mounting Method: Screw down or Din-Rail mounted.

Operating Temperature: -40° C to 85° C (-40° F to 185° F)

Weight: 0.30 lbs.—0.75 lbs. (0.13 kg—0.34 kg) depending on number of circuits.

SLP Performance Specifications

Model Number	Protection Mode	MCOV (peak)	Max Data Rate	Let-Through Volt IEC 10 x 700 µs Impulse 2kV / 80A	Let-Through Volt ANSI/IEEE C3 Impulse 20kV / 10kA
TK-CT2-190SLPx-DIN2	L-L L-G	200V 200V	10Mbps	240V 240V	220V 220V
TK-CT2-120SLPx-DIN2	L-L L-G	130V 130V	10Mbps	180V 180V	160V 160V
TK-CT2-48SLPx-DIN2	L-L L-G	56V 56V	10Mbps	65V 65V	62V 62V
TK-CT2-24SLPx-DIN2	L-L L-G	35V 35V	10Mbps	38V 38V	41V 41V
TK-CT2-15SLPx-DIN2	L-L L-G	15V 15V	10Mbps	41V 41V	39V 39V
TK-CT2-10SLPx-DIN2	L-L L-G	10V 10V	10Mbps	24V 24V	22V 22V

All voltages are peak values (+10%). Test environment: static, positive polarity, time base = 1 ms

x = 2 for 2 wire, 4 for 4 wire, 6 for 6 wire, 8 for 8 wire and 10 for 10 wire.

Specifications subject to change without notice, see web site www.tpssurge.com for latest revisions.

SLP Available Configurations

Model Number	# of Wires	Applications
TK-CT2-120SLP2-DIN2	2	
TK-CT2-120SLP4-DIN2	4	
TK-CT2-120SLP6-DIN2	6	120VDC Control/Signal Circuit For 190VAC replace '120' with '190'
TK-CT2-120SLP8-DIN2[1]	8	
TK-CT2-120SLP10-DIN2	10	
TK-CT2-48SLP2-DIN2	2	
TK-CT2-48SLP4-DIN2	4	
TK-CT2-48SLP6-DIN2	6	48V 4-20mA Current Loop
TK-CT2-48SLP8-DIN2[1]	8	
TK-CT2-48SLP10-DIN2	10	
TK-CT2-24SLP2-DIN2	2	
TK-CT2-24SLP4-DIN2	4	
TK-CT2-24SLP6-DIN2	6	RS232 and 24V 4-20mA Current Loop
TK-CT2-24SLP8-DIN2[1]	8	
TK-CT2-24SLP10-DIN2	10	
TK-CT2-15SLP2-DIN2	2	
TK-CT2-15SLP4-DIN2	4	
TK-CT2-15SLP6-DIN2	6	Circuit rated at 15V or below, such as RS485 Data
TK-CT2-15SLP8-DIN2[1]	8	
TK-CT2-15SLP10-DIN2	10	
TK-CT2-10SLP2-DIN2	2	
TK-CT2-10SLP4-DIN2	4	
TK-CT2-10SLP6-DIN2	6	Circuit rated at 10V or below, such as RS422, RS423
TK-CT2-10SLP8-DIN2[1]	8	
TK-CT2-10SLP10-DIN2	10	

[1]RJ-45 option available for 8 wire units - add "RJ" suffix



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Made in U.S.A.

For Technical Support
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