

TransTrack 2 065

SYSTEM FEATURES



- Protects facilities and equipment against the harmful effects of lightning strikes and internally generated electrical transients
- Individually fused MOV's provide superior protection and continuous operation
- 200kAIC short circuit current rating allows direct bus connection without the need of an upstream over-current protection device
- Includes pre-wired pigtail conductors to stream line installation

- NEMA LS1 compliance single pulse tested at nationally recognized 3rd party lab
- Low profile design has an optional flush-mount plate for in-wall recessed panel applications
- UL 1283 EMI/RFI filter option
- Ultra Compact Footprint makes installation flexible
- Enhanced Transient Filter for better protection of electronic loads
- 25-Year Unlimited Free Replacement Warranty

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 65kA per phase (32.5kA/mode)
Repetitive Surge Current Rating: 3,000 impulses per mode based on actual test data (using ANSI/IEEE C62.41.1-2002 C3 combo wave)
Application: ANSI/IEEE C62.41 Location C, B & A. Ideal for distribution panels, branch panels and critical loads

Design: Hybrid parallel design with individual fused MOV's and

UL 1283 EMI/RFI filter option

Warranty: 25-Year Unlimited Free Replacement

Safety Listing: UL 1449 2nd Edition 2005 Revision (effective 2/9/2007)

and UL 1283

ELECTRICAL SPECIFICATIONS

Modes of Protection: All modes: L-N, L-G, N-G & L-L

Input Power Frequency: 47-63Hz

Connection Method: Parallel to electrical distribution system

Response Time: Less than 0.5 nanoseconds

Standard Monitoring: Status indicator lights (one per phase) **Short Circuit Current Rating:** 200 kAIC – no upstream over-current

protection device (breaker or fuse) required.

MECHANICAL SPECIFICATIONS

Dimensions (approx.): 6"H x 6"W x 4"D (160 mm H x 160 mm W x 102 mm D)

Enclosure: Powder coated, impact-resistance steel, weather-proof

NEMA 4 (IP56)

Connection: Pre-wired with 30" (915 mm) of #10 AWG (5.26 mm²)

conductor

Mounting: Dual mounting flanges

Operating Environment: -40° C to 70° C (-40° F to 160° F)

5% to 95% non-condensing humidity

Weight: 10 lbs. (4.5 kg)

REE REPLACEMENT



AVAILABLE CONFIGURATIONS

Model Number	Description
TK-TT2-065-1P240-FL	240VAC, SinglePhase 2-wire + grd
TK-TT2-065-1S240-FL	120/240VAC, Split-Phase, 3-wire + grd
TK-TT2-065-3Y208-FL	120/208VAC, Three-Phase, 4-wire + grd
TK-TT2-065-3Y380-FL	220/380VAC,Three-Phase, 4-wire + grd
TK-TT2-065-3Y480-FL	277/480VAC, Three-Phase, 4-wire + grd

AVAILABLE OPTION

 Stand-Alone Option
 (To Be Ordered as a separate Item)

 TT2-FMP
 Flush-Mount Plate Kit

EMI / RFI FILTER ATTENUATION – MIL STANDARD 220B

Max. Attenuation Frequency

40 dB @ 100 kHz

Made in U.S.A. Page 1 of 2

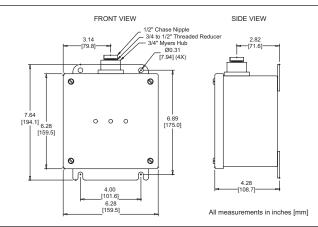


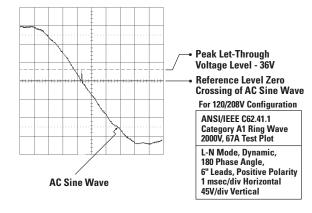
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ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002

1890V

961V





2570V

1510V

1500V

800V

Model Number	System Voltage	System Configuration	Protection Mode	MCOV	Measured Limited Voltage			UL SVR UL 1449 2nd Edition
					ETF Models A1 Ring Wave 2kV, 67A 180° Phase Angle	All Models B3/C1 Impulse Wave 6kV, 3kA 90° Phase Angle	All Models C3 Impulse Wave 20kV, 10kA 90° Phase Angle	2005 Revision Suppressed Voltage
TK-TT2-065-1P240-FL	240V	1-Phase 3-wire+grnd	L-N	320V	42V	1040V	1660V	800V
			L-G	320V	541V	1067V	1690V	800V
			N-G	320V	765V	961V	1510V	800V
			L-N	150V	36V	590V	970V	400V
TK-TT2-065-1S240-FL	120/240V	Split-Phase 3-wire+grnd	L-G	150V	283V	644V	1160V	400V
			L-L	300V	56V	980V	1490V	800V
			N-G	150V	322V	603V	1100V	400V
TK-TT2-065-3Y208-FL	120/208V	3-Phase WYE 4-wire+grnd	L-N	150V	36V	590V	970V	400V
			L-G	150V	283V	644V	1160V	400V
			L-L	300V	56V	980V	1490V	800V
			N-G	150V	322V	603V	1100V	400V
TK-TT2-065-3Y380-FL	220/380V	3-Phase WYE 4-wire+grnd	L-N	320V	42V	1040V	1660V	800V
			L-G	320V	541V	1067V	1690V	800V
			L-L	640V	63V	1890V	2570V	1500V
			N-G	320V	765V	961V	1510V	800V
		3-Phase	L-N	320V	42V	1040V	1660V	800V
			L-G	320V	541V	1067V	1690V	800V
TK-TT2-065-3Y480-FL	277/480V	WYE	1.1	640\/	631/	1890\/	2570\/	1500\/

All tests performed with 6" (152 mm) lead length, positive polarity.

4-wire+grnd

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 Mega samples/sec sampling rate. Specifications subject to change without notice, see web site, www.TPSsurge.com for latest revisions.

63V

765V

640V

320V

N-G

