

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
- 200 kAIC 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
- 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
- Status indicator lights (LED)

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 100kA per phase (50kA/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 3rd Ed., Type 1 for Type 1 & Type 2 locations 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 1 nanosecond
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)

AVAILABLE CONFIGURATIONS

Model Number	Description
TK-TT2-100-1P120-FL	120VAC, Single-Phase 2-wire + grd
TK-TT2-100-1P240-FL	240VAC, Single-Phase 2-wire + grd
TK-TT2-100-1S240-FL	120/240VAC, Split-Phase, 3-wire + grd
TK-TT2-100-3Y208-FL	120/208VAC, Three-Phase, 4-wire + grd
TK-TT2-100-3Y380-FL	220/380VAC, Three-Phase, 4-wire + grd
TK-TT2-100-3Y480-FL	277/480VAC, Three-Phase, 4-wire + grd
TK-TT2-100-240NN-FL	240VAC, Three-Phase, 3-wire + grd

AVAILABLE OPTIONS

- Monitoring package (Form C dry relay contacts + audible alarm with mute button) : add suffix "-M"

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



