

SYSTEM FEATURES



- Providing the highest level of protection with the lowest let-through voltage in the industry
- Fail-Safe Design
- Component Level Fusing
- Single pulse tested at independent 3rd party lab
- Form C dry relay contacts and audible alarm with silence button
- Two suppression technologies: MOV and all mode Enhanced Transient Filter
- UL 1283 Tracking Filter
- Ultra, Compact Footprint – efficiency and performance
- 30-Year Unlimited Free Replacement Warranty
- Weatherproof Nema 4 steel enclosure

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 240kA per phase; 120kA per mode
Application: ANSI/IEEE C62.41 Location C, B & A. Ideal for service entrance, motor control centers and distribution panels
Design: Optimum performing parallel hybrid with component level fusing
Warranty: 30-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-L, L-G, & N-G
Input Power Frequency: 40-440Hz (47-64 Hz with enhanced filter option)
Response Time: < 1 nanosecond
Standard Monitoring: Status indicator lights (one per phase & one service LED); Form C dry relay contacts for suppressor status; Audible alarm with silence button
Short Circuit Current Rating: 200 kAIC on all units.
 No upstream over-current protection required.

MECHANICAL SPECIFICATIONS

Dimensions (approx.): 15.50”H x 12.28”W x 6.28”D (393 mm H x 312 mm W x 160 mm D)
Enclosure: Steel. Weather-proof. NEMA 4 (IP 56)
Connection: Hardwired via internal lugs #10 AWG-#2 AWG (5.26 mm²–26.7 mm²)
Mounting: Multi-point mounting feet
Operating Environment: -40° C to 70° C (-40° F to 160° F)
 5% to 95% non-condensing humidity
Weight: 48 lbs. (21 kg)

AVAILABLE CONFIGURATIONS

Model Number	Description
TK-ST240-1S240-L	120/240VAC, 1Ø SPLIT-PHASE, 3-wire + grd
TK-ST240-1S480-L	240/480VAC, 1Ø SPLIT-PHASE, 3-wire + grd
TK-ST240-3Y208-L	120/208VAC, 3Ø WYE, 4-wire + grd
TK-ST240-3Y380-L	220/380VAC, 3Ø WYE, 4-wire + grd
TK-ST240-3Y400-L	230/400VAC, 3Ø WYE, 4-wire + grd
TK-ST240-3Y415-L	240/415VAC, 3Ø WYE, 4-wire + grd
TK-ST240-3Y480-L	277/480VAC, 3Ø WYE, 4-wire + grd
TK-ST240-3Y600-L	347/600VAC, 3Ø WYE, 4-wire + grd
TK-ST240-3D240-L	120/240VAC, 3Ø high-leg DELTA, 4-wire + grd (B phase must be 208V)
TK-ST240-240NN-L	240VAC, 3Ø DELTA, 3-wire + grd
TK-ST240-380NN-L	380VAC, 3Ø DELTA, 3 wire + grd
TK-ST240-480NN-L	480VAC, 3Ø DELTA, 3-wire + grd
TK-ST240-600NN-L	600VAC, 3Ø DELTA, 3-wire + grd

-L - All units come standard with component level fusing

AVAILABLE OPTIONS

Order as a Suffix Example: TK-ST240-3Y208-FL

- Enhanced Transient Filter (ETF): add suffix “-F”
- Surge Counter: add suffix “-B”
- NEMA 4X Stainless Steel Enclosure: add suffix “-XX”

Order as a Separate Item (30 Year Warranty)

- Non-Fused Disconnect Switch:

DN-200KAIC-60A-1 (for Nema 4 steel)

DN-200KAIC-60A-XX-1 (for Nema 4 stainless steel)

EMI / RFI FILTER ATTENUATION – MIL STANDARD 220B

Frequency	Attenuation
1kHz	2 dB
10kHz	17 dB
100kHz	40 dB
1MHz	18 dB
10MHz	6 dB
100MHz	1 dB
Max. Attenuation Frequency	41 dB @ 106 kHz



