

ServiceTrack™

SE200, SE300 & SE400

SYSTEM FEATURES



- Service Entrance Protection - Your first line of defense against surges and lightning
- Fail-Safe Design
- Component Level Fusing
- UL 1283 Tracking Filter
- True Modular Design - allows fast and easy field module replacement
- Bolt-on modular design allows for secure, low impedance connections.
- NEMA LS1 Compliance - single pulse tested at independent 3rd party lab (NEMA LS1, 2.2-9 and 3-9)
- Three suppression technologies to choose from: MOV, SAD, and Tracking Filter (UL 1283 Listed) - allows hundreds of hybrid or customizable configurations
- Compact Footprint - makes installation flexible
- 30 Year Unlimited Free Replacement Warranty

DATASHEETS

[ServiceTrack: SE400](#) [ServiceTrack: SE300](#) [ServiceTrack: SE200](#)

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current:

SE200 : 200kA per phase; 100kA per mode

SE300 : 300kA per phase; 150kA per mode

SE400 : 400kA per phase; 200kA per mode

Application: See product specific datasheet

Design: Parallel Hybrid Modular. Each fail-safe module comes with component level fusing and multi-pulse back-up protection

Warranty: 30-Year Unlimited Free Replacement Warranty

Safety Listing: UL 1449 2nd Edition, cUL, UL 1283 Filter, CE

ELECTRICAL SPECIFICATIONS

Mode of Protection: All Mode. 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 protection summary LED); Form C dry relay contacts for suppressor and commercial-power status

Short Circuit Current Rating: 100 kAIC using 200A breaker or fuse (not provided)

AVAILABLE CONFIGURATIONS

Model Number	Description
TK-SExxx-1P120	120V, 1 ϕ 2-wire + grd
TK-SExxx-1P240	240V, 1 ϕ 2-wire + grd
TK-SExxx-1S120	120/240V, 1 ϕ SPLIT-PHASE, 3-wire + grd
TK-SExxx-3Y208	120/208V, 3 ϕ WYE, 4-wire + grd
TK-SExxx-3Y308	220/380V, 3 ϕ WYE, 4-wire + grd
TK-SExxx-3Y408	277/480V, 3 ϕ WYE, 4-wire + grd
TK-SExxx-3D240	120/240V, 3 ϕ high-leg DELTA, 4-wire + grd (B phase must be 208V)
TK-SExxx-240NN	240V, 3 ϕ DELTA, 3-wire + grd
TK-SExxx-380NN	380V, 3 ϕ DELTA, 3-wire + grd
TK-SExxx-480NN	480V, 3 ϕ DELTA, 3-wire + grd

xxx denotes surge rating per phase (200, 300 and 400)

MECHANICAL SPECIFICATIONS**Dimensions(approx.):** 13.69"H x 12.40"W x 7.94"D**Enclosure:** High-impact non-metallic, NEMA 4X**Connection:** Hardwired via internal lugs #10 AWG - #2 AWG**Mounting:** Multi-point mounting feet, cable entry from three sides: top, bottom and right.**Operating Environment:** -40° C to 60° C (-40° F to 160° F), 5% to 95% non-condensing humidity**Weight:** (approx.) depending on configuration - pounds (kilograms): 22 lbs (9.77 kg) - 30 lbs (13.33 kg)**AVAILABLE OPTION**

- Enhanced Transient Filter (-F suffix)
- SAD: Silicon Avalanche Diode (-S suffix)
- Enhanced Transient Filter and SAD (-H suffix)
- Integral Fused Disconnect Switch (-DI suffix) Consult factory
- Audible Alarm with alarm silence button (-A suffix)
- Surge Counter & Audible Alarm (-B suffix)

EMI / RFI FILTER ATTENUATION - M IL STANDARD 220B

Frequency	Attenuation
1kHz	2 dB
10kHz	21 dB
100kHz	42 dB
1MHz	18 dB
10MHz	3 dB
100MHz	2 dB
Max. Attenuation Frequency	54 dB @ 71 kHz

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