

## SYSTEM FEATURES



- Slimline design ensures minimum lead-length for maximum performance
- Fail-Safe Design
- Dual Component Level Fusing (CLF) provides both over-current and thermal protection for added safety
- NEMA LS1 Compliance - Single pulse tested at independent 3rd party nationally recognized lab
- Compact Footprint - Makes installation Flexible while insuring peak performance
- Form C dry relay contacts
- Audible alarm with silence button
- Hybrid suppression technologies - MOV and Enhanced Transient Filter (ETF)
- UL 1283 Tracking Filter
- 30-Year Unlimited Free Replacement Warranty

## DATASHEETS

[LowProfile: LP120](#)

[LowProfile: LP080](#)

## PRODUCT SPECIFICATIONS

### GENERAL SPECIFICATIONS

**Maximum Rated Surge Current:**

80kA per phase; 40kA per mode  
120kA per phase; 60kA per mode

**Application:** ANSI/IEEE C62.41 Location B & A. Ideal for Flush mount in-wall and adjacent panelboards

**Design:** Dual fusing for safety and hybrid suppression design provides lowest let-through voltage protection for mission critical loads

**Warranty:** 30-Year Unlimited Free Replacement Warranty

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

### 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 service LED); Form C dry contacts for suppressor status; Audible alarm with silence button

**Short Circuit Current Rating:** 200 kAIC short circuit current rating.

Dual fusing - component level over-current fusing (CLF) plus thermal fusing allows direct bus connection without the need for upstream over-current protection

### MECHANICAL SPECIFICATIONS

**Dimensions(approx.):** 12"H x 4"W x 3.5"D

**Enclosure:** Compact NEMA 1 steel enclosure allows cable entry from top and both sides for flexible mounting to virtually any panelboard or disconnect application

**Connection:** Pre-wired 24" #10 A WG strand copper conductor

**Mounting:** Mounting feet top and bottom. Flush-mount cover plate and 3/4" Myers hub included

**Operating Environment:** -40° C to 60° C (-40° F to 160° F), 5% to 95% non-condensing humidity

**Weight:** 12 lbs. (5.4 kg)

### AVAILABLE CONFIGURATIONS

**Model Number**

**Description**

TK-LP120-1S240-L	120/240VAC, 1φ SPLIT-Phase, 3-wire + grd
TK-LP120-3Y208-L	120/208V, 3φ WYE, 4-wire + grd
TK-LP120-3Y480-L	277/480V, 3φ WYE, 4-wire + grd
TK-LP080-1S240-L	120/240VAC, 1φ SPLIT-Phase, 3-wire + grd
TK-LP080-3Y208-L	120/208V, 3φ WYE, 4-wire + grd
TK-LP080-3Y480-L	277/480V, 3φ WYE, 4-wire + gr

### AVAILABLE OPTION

- Enhanced Transient Filter: add suffix "-F"

*Example: TK-LP120-3Y208-FL*

### EMI / RFI FILTER ATTENUATION - M IL STANDARD 220B

Frequency	Attenuation
1kHz	1 dB
10kHz	14 dB
100kHz	42 dB
1MHz	22 dB
10MHz	6 dB
100MHz	2 dB
Max. Attenuation Frequency	57 dB @ 142 kHz