

SYSTEM FEATURES



- Protects facilities and equipment against the harmful effects of lightning strikes and internally generated electrical transients
- Includes pre-wired pigtail conductors to streamline installation
- Fail-safe design
- Dual Component Level Fusing (CLF) provides over-current plus thermal protection for added safety
- UL 1449 2nd Edition, 2005 Revision (effective 2/9/2007)
- CE Compliant*
- Small, compact footprint - makes installation flexible
- 10-Year Unlimited Free Replacement Warranty

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 40kA per phase (80kA for PK080S)
Application: ANSI/IEEE C62.41 Location C, B & A. Ideal for distribution panels, branch panels and OEM applications
Design: Ultra compact, fail-safe design with dual component-level fusing
Warranty: 10-Year Unlimited Free Replacement
Safety Listing: UL 1449 2nd Edition, 2005 Revision (effective 2/9/2007)

ELECTRICAL SPECIFICATIONS

Modes of Protection: All modes. L-N, L-L, L-G & N-G (discrete protection on L-N & N-G for 40kA per phase models)
Input Power Frequency: 47-64 Hz
Response Time: < 1 nanosecond
Standard Monitoring: Status indicator light
Short Circuit Current Rating (SCCR): 25kAIC (for 1P120, 1S240, 3Y208) 18kAIC (1P240, 3Y380, 3Y415, 3Y480, 3D240, 240NN, 380NN and 480NN)
 All models require a max 30 amp fuse or breaker

MECHANICAL SPECIFICATIONS

Dimensions: 5.60"H x 2.90"W x 1.90"D (142mm H x 73.7mm W x 48.3mm D)
Enclosure: High-impact non-metallic weatherproof
Connection: Pre-wired with 18" (457 mm) of #14 AWG (2.08 mm²) conductor
Mounting: Comes with a threaded 1/2" (15 mm) hub for easy knockout mounting, L-shaped bracket for stand-alone wall mounting or din-rail mounting
Operating Environment: -40° C to 70° C (-40° F to 160° F); 5% to 95% non-condensing humidity
Weight: 2.25 lbs (1.0kg)

PANELTRACK SLIMLINE

Model Number	Description	Surge Rating
TK-PK040S-1P120-L	120VAC, 1 ϕ 2-wire + grd	40kA/phase
TK-PK040S-1P240-L ¹	240VAC, 1 ϕ 2-wire + grd	40kA/phase
TK-PK040S-1S240-L	120/240VAC, 1 ϕ 3-wire + grd	40kA/phase
TK-PK080S-1S240-L	120/240VAC, 1 ϕ 3-wire + grd	80kA/phase
TK-PK040S-3Y208-L	120/208VAC, 3 ϕ 4-wire + grd	40kA/phase
TK-PK040S-3Y380-L ¹	220/380VAC, 3 ϕ 4-wire + grd	40kA/phase
TK-PK040S-3Y415-L ¹	240/415VAC, 3 ϕ 4-wire + grd	40kA/phase
TK-PK040S-3Y480-L	277/480VAC, 3 ϕ 4-wire + grd	40kA/phase
TK-PK040S-3D240-L	120/240VAC, 3 ϕ high-leg DELTA 4-wire + grd	40kA/phase
TK-PK040S-240NN-LA ²	240VAC, 3 ϕ 3-wire + grd	40kA/phase
TK-PK040S-380NN-LA ²	380VAC, 3 ϕ 3-wire + grd	40kA/phase
TK-PK040S-480NN-LA ²	480VAC, 3 ϕ 3-wire + grd	40kA/phase

¹ CE approved models

² Delta units come standard with Form C dry relay contacts for remote monitoring

AVAILABLE OPTIONS

Order as a Suffix Example: TK-PK040S-3Y208-LA-DIN

- Form C dry relay contacts for remote monitoring: add suffix "-A" (for indoor applications only)
- Din-rail mounting clips: add suffix "-DIN"

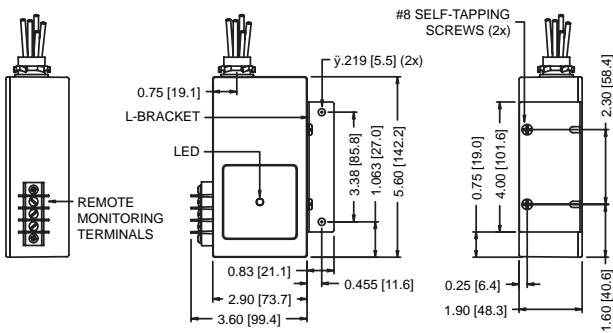
Order as a separate item

- Flush-mount cover for installation on recessed panels: PKS-FMP

FREE REPLACEMENT

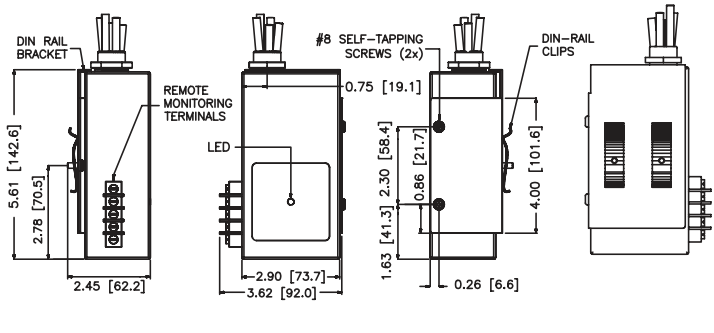


Made in U.S.A.



All measurements in inches [mm]

Shown with L-Bracket



All measurements in inches [mm]

Shown with DIN-RAIL Bracket

AVAILABLE CONFIGURATIONS

Model Number	System Voltage	System Configuration	Surge Rating (per phase)	Protection Mode	MCOV	ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage			MLV Data UL 1449 2nd Edition 2005 Revision Suppressed Voltage Ratings
						ETF Models	All Models	All Models	
						A3 Ring Wave 6kV, 200A 90° Phase Angle	B3/C1 Impulse Wave 6kV, 3kA 90° Phase Angle	C3 Impulse Wave 20kV, 10kA 90° Phase Angle	
TK-PK040S-1P120-L	120V	1-Phase 2-wire+grnd	40kA	L-N N-G	150 150	374	590	1015	400
						476	604	1110	400
TK-PK040S-1P240-L	240V	1-Phase 2-wire+grnd	40kA	L-N N-G	300 300	760	920	1330	800
						767	940	1400	800
TK-PK040S-1S240-L	120/240V	1-Phase 3-wire+grnd	40kA	L-N N-G	150 150	374	590	1015	400
						476	604	1110	400
TK-PK080S-1S240-L	120/240V	1-Phase 3-wire+grnd	80kA	L-N	150	374	590	1015	500
				L-G	150	375	595	1015	500
				N-G	150	476	604	1110	500
TK-PK040S-3Y208-L	120/208V	3-Phase WYE 4-wire+grnd	40kA	L-N	150	450	580	953	400
				N-G	150	423	560	950	400
TK-PK040S-3Y380-L	220/380V	3-Phase WYE 4-wire+grnd	40kA	L-N	300	762	933	1350	800
				N-G	300	793	930	1370	800
TK-PK040S-3Y415-L	240/415V	3-Phase WYE 4-wire+grnd	40kA	L-N	320	767	953	1350	800
				N-G	320	774	940	1370	800
TK-PK040S-3Y480-L	277/480V	3-Phase WYE 4-wire+grnd	40kA	L-N	320	767	953	1350	800
				N-G	320	774	940	1370	800
TK-PK040S-3D240-L	120/240V	3-Phase high-leg DELTA 4-wire+grnd	40kA	L-N	150	550	680	1073	400
				H-N	300	793	930	1370	800
				N-G	150	550	680	1073	400
TK-PK040S-240NN-LA*	240V	3-Phase DELTA 3-wire+grnd	40kA	L-L	300	778	994	1540	800
				L-G	300	799	988	1587	800
TK-PK040S-380NN-LA*	380V	3-Phase DELTA 3-wire+grnd	40kA	L-L	600	1493	1737	2277	1500
				L-G	600	1475	1715	2247	1500
TK-PK040S-480NN-LA*	480V	3-Phase DELTA 3-wire+grnd	40kA	L-L	640	1553	1791	2457	1500
				L-G	640	1600	1812	2483	1500

All tests performed with 6" (152 mm) lead length, positive polarity. All voltages are peak values ($\pm 10\%$) measured from the zero reference point at the phase angles referenced above using a 10 μ s/div display rate and 500 Mega samples/sec sampling rate.

*Delta units come standard with Form C dry relay contacts for remote monitoring.

Specifications subject to change without notice, see web site, www.TPSSurge.com for latest revisions.