Total Protection Solutions™

PanelTrack™ PKD 050

System Features



- Protects DC critical dedicated control loads against the harmful effects of lightning strikes and internally generated electrical transients
- Ideal for protecting the OEM & systems integration controls and other microprocessor-based loads
- Includes pre-wired pigtail conductors to streamline installation
- Fail-safe design
- Component Level Fusing (CLF) provides over-current protection
- Small, compact footprint - makes installation flexible
- 10-Year Unlimited Free Replacement Warranty

Product Specifications

General Specifications

Maximum Rated Surge Current: 40kA per mode (50kA for 550 VDC model)
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

Electrical Specifications

Modes of Protection: P-N, P-G, N-G
Input Power Frequency: DC Only
Response Time: < 1 nanosecond
Standard Monitoring: Status indicator lights (one per mode)
Form C dry relay contacts (48 & 125 volt models only)

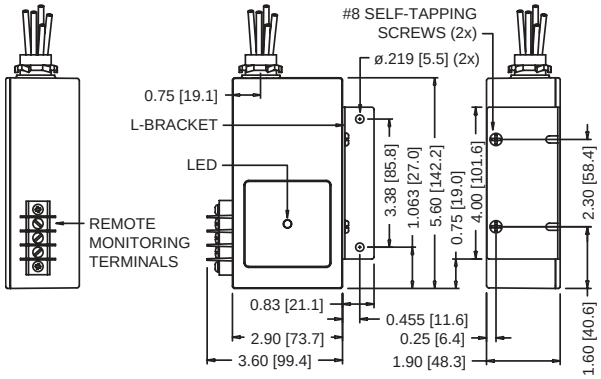
Mechanical Specifications

Dimensions: 5.60"H x 2.90"W x 1.90"D
Enclosure: High-impact non-metallic Nema 4X
Connection: Pre-wired with 18 inches of #14 AWG conductor, and #12 AWG for the 550 VDC model.
Internal component-level fusing allows for direct bus connection.
Mounting: Comes with a threaded 1/2" hub for easy knockout mounting or L-shaped bracket for stand-alone wall mounting.
Operating Environment: -40° C to 70° C (-40° F to 160° F); 5% to 95% non-condensing humidity
Weight: 2.25 lbs (1.0 kg)

Available Configurations

Model Number	System Voltage	System Configuration	Protection Mode	DC MCOV	MLV Data Impulse Wave 6kV, 500A
TK-PK040D-48VDC-LA	48 VDC	P, N + G	P-G	80V	160V
	48 VDC		P-N	80V	160V
TK-PK040D-125VDC-LA	125 VDC	P, N + G	P-G	150V	290V
	125 VDC		P-N	150V	290V
TK-PK050D-550VDC-L	550 VDC	P, N + G	P-G	700V	1500V
	550 VDC		N-G	700V	1500V

All tests performed with 6" lead length, positive polarity.
All voltages are peak values (±10%) measured from the zero reference.
Specifications subject to change without notice.



All measurements in inches [mm]

FREE REPLACEMENT
★ 10 YEAR ★ WARRANTY ★ 10 YEAR ★

UL US
UL 1449

Made in U.S.A.

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