

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 micro-processor-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
- Form C dry relay contacts
- 10-Year Unlimited Free Replacement Warranty

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 40kA per mode
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

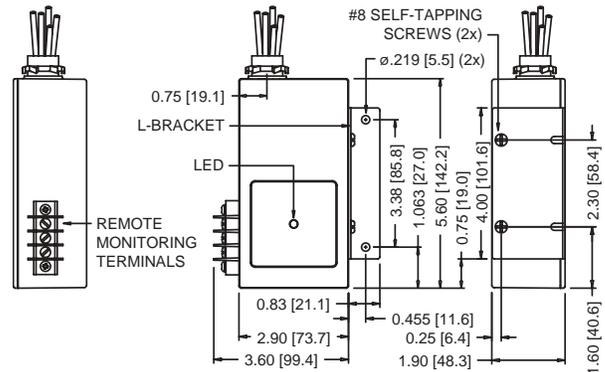
MECHANICAL SPECIFICATIONS

Dimensions: 5.60"H x 2.90"W x 1.90"D
Enclosure: High-impact non-metallic Nema 1
Connection: Pre-wired with 18 inches of #14 AWG conductor
 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

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]

