Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Product ID: 339128

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image:

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MT-PPI-10KN-125KV-1IN-M1 Polymeric Pin-Type Insulator
Unit Type: Polymeric Pin-Type Insulator, ANSI 55-5 Class
Power Frequency: 50/60 Hz
Low Frequency Withstand Voltage, Dry, 10 sec.: 70 kV
Low Frequency Withstand Voltage, Wet, 10 sec.: 50 kV
Basic Insulation Level (BIL): 125 kV
Impulse Flashover-Positive: 710 kV
Min. Arcing Distance: 180–220 mm (7.1–8.7 in.)
Min. Creepage Distance: >650 mm (25.6 in.)
Cantilever Strength: 10 kN (2,248 lb) minimum
Mechanical Failing Load: 10 kN minimum
Core Material: Fiberglass Reinforced Polymer (FRP)
Housing Material: High Temperature Vulcanized (HTV) Silicone Rubber
Housing Color: Gray
End Fitting Material: Hot-Dip Galvanized Steel
Thread Type: 1-Inch Internal Thread
Mounting: Vertical Pin Mount
Hydrophobicity: Excellent
Operating Temperature: -50°C to +50°C
Weight: Approximately 2–3 kg (4.4–6.6 lb)
Shipping Dimensions: Approx. 13 × 9 × 9 in.
Shipping Weight: Approx. 6 lb
Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not

Ratings
Complies with ANSI C29.5
Suitable for 15–27 kV Distribution Systems

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com
*All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic

accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram. Code section 250*

Made in the USA

The robust range of polymeric pin-type insulators is designed to provide dependable insulation and mechanical support for medium-voltage overhead distribution systems. Engineered for exceptional durability and long-term reliability, these composite insulators feature a high-hydrophobicity HTV silicone rubber housing and a fiberglass reinforced polymer (FRP) core, making them ideal for coastal, marine, industrial, and other heavily contaminated environments. The MT-PPI-10KN-125KV-1IN-M1 polymeric pin-type insulator is manufactured in accordance with ANSI C29.5 requirements and is designed to deliver superior electrical and mechanical performance while minimizing maintenance.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

The MT-PPI-10KN-125KV-1IN-M1 Polymeric Pin-Type Insulator, ANSI 55-5 Class, is suitable for medium-voltage overhead distribution applications with a Basic Insulation Level (BIL) of 125 kV. The insulator features a minimum creepage distance exceeding 650 mm, providing excellent performance in high marine salt, industrial pollution, and high-humidity environments. Constructed with an HTV silicone rubber housing over a fiberglass reinforced polymer (FRP) core, the unit offers a minimum cantilever strength of 10 kN and incorporates a 1-inch ANSI C29.5 internal thread for compatibility with standard distribution line insulator pins.

Mount: Designed for vertical installation on standard distribution line pins with a 1-inch ANSI C29.5 threaded connection.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/339128.JPG)
- **Video1**(https://www.youtube.com/watch?v=aOJY5E9e33I)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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