Larson Electronics LLC
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## Product ID: 340012

**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-SPI-23KV-150KV-19.9IN-M1 Vertical Line-Post Polymer Insulator**
**Unit Type**: Station Post Insulator, Polymer Type, Vertical Mount

**Made in the USA**

**Insulator Ratings**

**Rated Voltage:** 23kV

**BIL:** 150kV

**Pitch (Insulating Length):** 505mm [19.9 in]
**Creepage Distance:** 900mm [35.4 in]
**Cantilever Mechanical Strength:** 24.2 kN [5,438 lbf]
**Skirt Configuration:** Circular Base, 5 + 4 Skirts (9 total)
**Diameters:** Ø160mm and Ø120mm (skirt vs. base assignment not confirmed)

**Ratings & Approvals**

Per ANSI C29.7 line-post insulator standard (BIL estimate — not stated on source drawing)
All grounding shall comply with NEC Section 250 and applicable state/local codes

**Shipping**

Shipped on pallet or skid
Crated shipment available upon request
Final shipping configuration subject to approved design

**Fittings**

Top Line Fitting: Type VC
Base/Ground Fitting: Type G
Housing Material: Polymer
Weight: 8 kg [17.6 lbs] per insulator

**Included Accessories (per insulator)**

(1) Trunnion-Type Aluminum Alloy Clamp — for AAAC Azusa conductor, 8–27mm diameter range, (2) 3/8" bolts with stainless steel pressure washers
(1) Preformed Armor Rod Set — for AAAC Azusa conductor, 3.26mm wire diameter, 1370mm length, 11 rods

**Dimensions & Shipping**
**Overall Dimensions:** 6.3 in W × 6.3 in D × 19.9 in H (estimate)
**Approximate Weight:** 17.6 lbs (estimate)
**Shipping Dimensions:** TBD
**Shipping Weight:** TBD

**Special Features**
Vertical Line-Post Design, Polymer Housing, Complete Suspension Assembly (Insulator + Clamp + Armor Rods)

**Special Orders – Special Requirements**
Contact us for special requirements

Toll Free: 1-800-369-6671
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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 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 applicable drawings.

**Made in the USA**

**The Larson Electronics MT-SPI-23KV-150KV-19.9IN-M1 Vertical Station Post Polymer Insulator is designed to provide reliable overhead line conductor support for medium-voltage distribution systems. This polymer-housed line post insulator is compatible with 23kV rated voltage systems, engineered for vertical mounting orientation, and supplied complete with the conductor clamp and armor rod hardware needed for a full suspension assembly installation.**

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

The **MT-SPI-23KV-150KV-19.9IN-M1** provides a dependable, low-maintenance support point for overhead conductors on 23kV class distribution lines. The polymer housing offers superior contamination and vandalism resistance compared to traditional porcelain construction, while maintaining the mechanical strength needed for line-post service. The insulator features a circular base skirt configuration (5 + 4 skirts, 9 total) for extended creepage distance, with a rated pitch of 505mm and 900mm total creepage distance.

**Insulator Construction**
The insulator body measures 505mm in pitch (insulating length) with a 24.2kN rated cantilever mechanical strength. The unit weighs 8 kg. Top termination is a Type VC line fitting; the base termination is a Type G ground fitting, appropriate for pole or crossarm-mounted vertical line-post installation.

**Included Accessories**
Each insulator is supplied with a trunnion-type aluminum alloy conductor clamp, sized for AAAC Azusa conductor in the 8–27mm diameter range, secured with two 3/8" bolts and stainless steel pressure washers. A preformed armor rod set is also included, consisting of 11 rods sized for 3.26mm wire diameter AAAC Azusa conductor at 1370mm length, providing vibration protection and mechanical reinforcement at the suspension point.

**Mount**
The insulator is designed for vertical mounting orientation, consistent with pole-top or crossarm line-post applications on overhead distribution circuits.

**Special Features**
Vertical line-post design, polymer housing for contamination/vandalism resistance, complete suspension assembly including conductor clamp and armor rod hardware.

**Ratings & Approvals**
Designed per ANSI C29.7 line-post insulator standard. All grounding shall comply with NEC Section 250 and applicable state and local codes.

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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**Product ID: 340012**

**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- **HigResPic1**( https://www.larsonelectronics.com//images/product/HigResPic1/340012.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 )
- **Shipping Time Map**( https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf )