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MT-HV-CT-BP-R7-1P-123KV-1600.1-Z-CPX-60HZ-OL-OD-M1

123 KV Current Transformer, Bar Primary Type, 1600:1 Multi Ratio, PX Accuracy Class, Grey

Product ID: 326306

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



Image: MT-HV-CT-BP-R7-1P-123KV-1600.1-Z-CPX-60HZ-OL-OD-M1

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-HV-CT-BP-R7-1P-123KV-1600.1-Z-CPX-60HZ-OL-OD-M1 Current Transformer

Unit Type: Current Transformer, Bar Primary Type, Oil Filled
Phase: Single Phase
Max. System Voltage: 123 kV
Voltage BIL: 550 KV
Power Frequency Withstand Voltage: 230 kV
Rated Dynamic Steady Current: 104 kA, Peak
Rated Short-circuit Withstand Current: 40 kA, rms, 1 sec.
Continuous Overcurrent Capability: 1.2 times rated current on primary winding)
Maximum Partial Discharge (at Maximum System Voltage): ≤ 10 pC
Frequency: 60 Hz
Current Ratio: 1600/1200/800/600:1 MR
Minimum Creepage distance Through Insulating Surface: ≥ 25mm/kV
IEEE Metering Accuracy Class: N/A
IEEE Protection Accuracy Class: PX
Continuous Thermal Current Rating Factor (@ 30°C): 4.0
Continuous Thermal Current Rating Factor (at 55°C): TBD
Primary Bushing: Wet process porcelain, Munsell 5BG 7.0/0.4, ANSI No. 70 Light Gray
Primary Terminal: NEMA 4-inch, 4-hole copper pad terminal. The terminal conducting surface is horizontal. The current transfer point is silver plated.
Primary Bar Width: -

Ratings

Meets IEEE C57.13 Standard
Meets ANSI C12.11 Standard
Outdoor Service
Non-corroding Nameplate

Testing

Tested in accordance with IEEE C57.13

Primary Bar Thickness: -
Primary Terminal Quantity: (2)
Grounding Pads: (2) NEMA 2-hole ground pads. One ground pad is located near the secondary junction box. The holes in the ground pads are threaded for 1/2"-13 UNC bolts. The threads are protected with a rust inhibitor and with flanged cups of a non-corrosive material press fitted into threaded openings
Secondary Terminals: Terminated on a terminal block mounted in an easily accessible, weatherproof, metal junction box
Secondary Junction Box: Included, Aluminum alloy - NEMA 3 protection class
Secondary Terminal Quantity: (5)
Secondary Coil Impedance: ≤ 10 Ohm
Core Material: Grain oriented silicon steel laminations
Insulation Medium: Oil Filled (NYNAS NYTRO LIBRA), Non-PCB Fluid
Oil Capacity: ≤ 55 Gallons
Oil Level Gauge: Included
Oil Fill Plug: Included
Oil Drain: Included
Lifting Provisions: Included
Winding Material: Copper
Temperature Rise: 65°C
Service Condition: Outdoor
Ambient Temperature Rating: -5°C to +55°C
Color: Grey
Mount: Horizontal, Vertical or Suspended Position
Catilever Strength: -
Total Weight (Approximate): -
Base Plate Material: -
Base Plate Dimensions: -
Total Dimensions (Approximate): 46.34"-L x 25.83"-D x 26.65"-H

Special Orders - Special Requirements
Contact us for special requirements
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The MT-HV-CT-BP-R7-1P-123KV-1600.1-Z-CPX-60HZ-OL-OD-M1 Current Transformer from Larson Electronics facilitates power distribution in outdoor locations and is designed for power utility applications. The low operating costs, low heat emissions and low cost of ownership make this transformer an ideal solution for metering, protective relaying, high voltage system control and more.

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

Transformer Features: The current transformer is rated for 123 kV and a 1600:1 multi ratio at 60 Hz. The system has heavy-duty windings for high strength and thermal/electrical conductivity.

Primary Connections: The transformer has standard terminals for primary connections.

Secondary Connections: The potential transformer is equipped with a terminal block protected by a removable cover.

Benefits: The MT-HV-CT-BP-R7-1P-123KV-1600.1-Z-CPX-60HZ-OL-OD-M1 transformer offers many benefits to consumers. This transformer provides owners with significant energy savings, as well as offering environmental benefits. Higher efficiency not only extends the life of the transformer, but also turns into cost savings for owners in the form of lower energy bills

and decreased cost of ownership.

Applications: Electric power distribution, utilities, protective relaying, utility power generation, power grids, substations, metering, high voltage system control, step down transmission and more.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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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/HigResPic1/326306.JPG)
- **Video1**(https://www.youtube.com/watch?v=4-JEyYeYcn8)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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