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MT-HV-CT-BP-R7-1P-123KV-1200.1-C0.5-C5P20-50HZ-OL-OD-M1

123 KV Current Transformer, Bar Primary Type, 1200:1 Multi Ratio, 0.5 Metering Accuracy Class, Grey

Product ID: 325012

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-1200.1-C0.5-C5P20-50HZ-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-1200.1-C0.5-C5P20-50HZ-OL-OD-M1 Current Transformer

Unit Type: Current Transformer, Bar Primary Type, Oil Filled
Phase: Single Phase
Nominal System Voltage: 110 kV
Max. System Voltage: 123 kV
Voltage BIL: 550 KV
Power Frequency Withstand Voltage: 230 kV
Rated Dynamic Steady Current: ≥ 2,5 x Ith peak
Rated Short-circuit Withstand Current: 25 kA, 1 sec.
Continuous Overcurrent Capability: 1.2 times rated current on primary winding)
Maximum Partial Discharge (at Maximum System Voltage): ≤ 10 pC
Frequency: 50 Hz
Current Ratio: 1200/800/600/400:1 MR
Minimum Creepage distance Through Insulating Surface: ≥ 25mm/kV
IEEE Metering Accuracy Class: 0.5 Fs10, 10 VA, for Coils 1, 2
IEEE Protection Accuracy Class: 5P20, 20 VA, for Coils 3, 4, 5
Continuous Thermal Current Rating Factor (@ 30°C): 4.0
Continuous Thermal Current Rating Factor (@ 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

Ratings

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

Testing

Tested in accordance with IEEE C57.13

surface is horizontal. The current transfer point is silver plated.

Primary Bar Width: -

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: (2)

Secondary Coil Impedance: ≤ 10 Ohm

Core Material: Grain oriented silicon steel laminations

Insulation Medium: Oil Filled, 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: 30°C

Color: Grey

Mount: Horizontal, Vertical or Suspended Position

Catilever Strength: -

Total Weight (Approximate): -

Base Plate Material: -

Base Plate Dimensions: -

Total Dimensions (Approximate): -

Special Orders - Special Requirements

Contact us for special requirements

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The MT-HV-CT-BP-R7-1P-123KV-1200.1-C0.5-C5P20-50HZ-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 1200:1 multi ratio at 50 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-1200.1-C0.5-C5P20-50HZ-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

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/325012.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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