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MT-HV-CT-BP-R7-1P-115KV-1000.5-C0.15-Z-60HZ-OL-OD-M2

115 KV Current Transformer, Bar Primary Type, 1000:5 Ratio, 0.15B1.8 Metering Accuracy Class, Grey

Product ID: 332423

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-115KV-1000.5-C0.15-Z-60HZ-OL-OD-M2

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-115KV-1000.5-C0.15-Z-60HZ-OL-OD-M2 Current Transformer

Unit Type: Current Transformer, Bar Primary Type, Oil Filled
Phase: Single Phase
Rated System Voltage: 115 kV
Max. System Voltage: 123 kV
Voltage BIL: 550 KV
Frequency: 60 Hz
Current Ratio: 1000:5
Strike Distance: 47.24"
Creepage Distance: 150.12"
IEEE Metering Accuracy Class: 0.15-B1.8
IEEE Relaying Accuracy Class: N/A
Continuous Thermal Current Rating Factor (@ 30°C): 2.0
Continuous Thermal Current Rating Factor (at 55°C): 1.2
Short Time Thermal Current Rating (1 Sec.): 63 kA
Short Time Dynamic Current Rating: 170 kA Peak
Power-Frequency Withstand Voltage (1 min., Primary Winding to Earth (kVrms)): 230 kV
Power-Frequency Withstand Voltage (1 min., Secondary Winding (kVrms)): 3 kV
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
Non-corroding Nameplate
Outdoor Service

Testing

Tested in accordance with IEEE C57.13

surface is horizontal. The current transfer point is silver plated.
Primary Bar Width: 4.331“x5.118"
Primary Bar Thickness: 0.787"
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, adjacent to and adjoin the transformer base housing. The junction box includes a large access door and provision for entry of three conduits (1.5 inch maximum diameter)
Secondary Windings: (1)
Secondary Terminal Quantity: (2)
Secondary Cores: (1)
Core Material: Grain oriented silicon steel laminations
Insulation Medium: Oil Filled, Non-PCB Fluid
Oil Weight: 189.6 lbs
Oil Level Gauge: Included
Oil Fill Plug: Included
Oil Drain: Included
Lifting Provisions: Included
Winding Material: Copper
Temperature Rise: 55°C
Service Condition: Outdoor
Ambient Temperature Rating: 30°C
Seismic Qualification: High Level, IEEE 693
Color: Grey
Mount: Horizontal, Vertical or Suspended Position
Cantilever Strength: -
Base Plate Material: Aluminum
Base Plate Dimensions: 18,701"x18,701” (Assembly distance
Total Dimensions*: 37.008"x23.78"x 95.079"
Total Weight (Approximate): 881.85 lbs
* These numbers are approximates and are subject to change.

Special Orders - Special Requirements
Contact us for special requirements
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The MT-HV-CT-BP-R7-1P-115KV-1000.5-C0.15-Z-60HZ-OL-OD-M2 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 115 kV and a 1000:5 current 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-115KV-1000.5-C0.15-Z-60HZ-OL-OD-M2 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/HigResPic1/332423.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)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)