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MT-MV-CT-BP-R7-1P-12KV-300.1-C0.5-C5P20-50.60HZ-RC-ID-M1

12 KV Current Transformer, Bar Primary Type, 300:1 Ratio, 0.5 M5 Metering Accuracy Class, 5P20 Protection Accuracy Class, Grey, Indoor

Product ID: 346142

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



Image: MT-MV-CT-BP-R7-1P-12KV-300.1-C0.5-C5P20-50.60HZ-RC-ID-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-MV-CT-BP-R7-1P-12KV-300.1-C0.5-C5P20-50.60HZ-RC-ID-M1 Current Transformer

Unit Type: Current Transformer, Bar Primary Type
Phase: Single Phase
Max. System Voltage: 12 kV
Power Frequency Withstand Voltage: 28 kV
Voltage BIL: 75 KV
Frequency: 50/60 Hz
Current Ratio: 300:1 (Dual Core)
Strike Distance: 8 inches
Creepage Distance: 16.5 inches
Metering Accuracy Class: 0.5 M5
Protection Accuracy Class: 5P20
Burden Rating: 10 VA/10 VA
Continuous Thermal Current Rating Factor (@ 30°C): 1.5
Continuous Thermal Current Rating Factor (@ 55°C): 1.0
Short Time Thermal Current Rating (1 Sec.): 40 kA
Short Time Dynamic Current Rating: 150 kA
Primary Terminal Type: Bar Type, Electro-Tin Plated Copper, w/ NEMA 2-hole Pads
Primary Bar Width: 2 inches
Primary Bar Thickness: 3/8 inch

Ratings

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

Primary Terminal Quantity: (2)
Grounding Terminal Type: TE-12-250
Grounding Terminal Material: Copper
Grounding Terminal Range: 4TRE-250MCM
Secondary Terminal Type: Compression-type, accommodate #14-#1 wire
Secondary Terminal Material: Brass
Secondary Terminal Box: Included, Cast aluminum terminal box has 1" inch conduit hubs on both ends and a knock out for a 1" inch conduit fitting on the bottom. The box is attached to the transformer body by four bolts in an industry standard pattern and can easily be detached
Secondary Terminal Quantity: (2)
Core Material: Grain oriented silicon steel laminations
Insulating Material: Cast in Hydrophobic Cycloaliphatic Epoxy (HCEP)
Winding Material: Copper
Temperature Rise: 55°C
Service Condition: Indoor
Ambient Temperature Rating: 45°C
Housing Materials: Type B Epoxy Resin
Color: Grey
Mount: Horizontal, Vertical or Suspended Position
Cantilever Strength: 1100 lbs
Total Weight (Approximate): 56 Lbs
Base Plate Material: Corrosion-Resistant Aluminum, w/ Mounting Holes (10" x 8.6" Spacing)
Base Plate Dimensions: 10.5"-W, 6.0"-L
Total Dimensions (Approximate): 6.75"-W, 23"-L, 9.87"-H

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

The MT-MV-CT-BP-R7-1P-12KV-300.1-C0.5-C5P20-50.60HZ-RC-ID-M1 Current Transformer from Larson Electronics facilitates power distribution in indoor 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 12 kV and 300:1 current ratio at 50/60 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 current transformer is equipped with a terminal block protected by a removable cover.

Benefits: The MT-MV-CT-BP-R7-1P-12KV-300.1-C0.5-C5P20-50.60HZ-RC-ID-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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- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/346142.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/346142.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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