Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MT-MV-CT-BP-R7-1P-12KV-500.1.1.1-C0.5-C5P20-50HZ-RC-ID-M1

12 KV Current Transformer, Bar Primary Type, 500:1/1/1 Ratio, 0.5 Metering Accuracy Class, Grey, Indoor

Product ID: 321543



Image: MT-MV-CT-BP-R7-1P-12KV-500.1.1.1-C0.5-C5P20-50HZ-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-500.1.1.1-C0.5-C5P20-50HZ-RC-ID-M1 Current Transformer

Unit Type: Current Transformer, Bar Primary Type
Phase: Single Phase
Max. System Voltage: 12 kV
Voltage BIL: 75 kV
Withstand Voltage (1 min.): 28 kV
Frequency: 50 Hz
Current Ratio: 500:1/1/1
Strike Distance: 8 inches
Creepage Distance: 16.5 inches
IEEE Accuracy Class (For Core 1): 5P20
IEEE Accuracy Class (For Core 2): 5P20
IEEE Accuracy Class (For Core 3): 0.5
Thermal Rating (For Core 1): 15 VA
Thermal Rating (For Core 2): 15 VA
Thermal Rating (For Core 3): 15 VA
Short Time Thermal Current Rating (3 Sec.): 40 kA
Short Time Dynamic Current Rating: -
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: Quick Connector

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: 55ºC

Service Condition: Indoor
Ambient Temperature Rating: 45ºC
Housing Materials: Type B Epoxy Resin
Color: Grey
Mount: Horizontal, Vertical or Suspended Position
Catilever Strength: 1100 lbs
Total Weight (Approximate): 68.3 Lbs
Base Plate Material: Corrosion-Resistant Aluminum, w/ Mounting Holes (10" x 8.6" Spacing)
Base Plate Dimensions: 10.9"-W, 9.45"-L
Total Dimensions (Approximate): 12.05"-W, 12.3"-L, 15.35"-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-500.1.1.1-C0.5-C5P20-50HZ-RC-ID-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 12 kV and 500:1/1/1 current 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-MV-CT-BP-R7-1P-12KV-500.1.1.1-C0.5-C5P20-50HZ-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