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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**




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
**Primary Terminal Quantity:** (2)
**Grounding Terminal Type:** TE-12-250

**Ratings**

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

**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
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**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