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MT-HV-CT-WD-1P-115KV-200.400.600:5-C0.3-C400-60HZ-OL-OD

115 KV Current Transformer, Wound Type, Multi-Ratio (200:5, 400:5, 600:5), 0.3 Metering Accuracy Class / C400 Relaying Class, Oil Filled, Outdoor, Grey

Product ID: 335601



Image: MT-HV-CT-WD-1P-115KV-200.400.600:5-C0.3-C400-60HZ-OL-OD

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-WD-1P-115KV-200.400.600:5-C0.3-C400-60HZ-OL-OD Current Transformer

Unit Type: Current Transformer, Wound Type, Oil Filled
Phase: Single Phase
Max. System Voltage: 115 kV
Voltage BIL: 550 KV
Frequency: 60 Hz
Current Ratio: 200:5 / 400:5 / 600:5 (Multi-Ratio)
Strike Distance: -
Creepage Distance: -
IEEE Metering Accuracy Class: 0.3
IEEE Relaying Accuracy Class: C400 (4 Cores)
Continuous Thermal Current Rating Factor (@ 30°C): 4.0
Continuous Thermal Current Rating Factor (at 55°C): TBD
Short Time Thermal Current Rating (1 Sec.): 63 kA
Short Time Dynamic Current Rating: 170 kA Peak
Power-Frequency Withstand Voltage (1 min., Primary & Secondary (kVrms)): -
Power-Frequency Withstand Voltage (1 min., Secondary Winding (kVrms)): -
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 surface is horizontal. The current transfer point is silver plated.
Primary Bar Width: -
Primary Bar Thickness: -

Ratings

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

Testing

Tested in accordance with IEEE C57.13

Primary Terminal Quantity: (2)

Grounding Pads: (2) NEMA 2-hole ground pads. One located near the secondary junction box. Threaded for 1/2"-13 UNC bolts with corrosion protection

Secondary Terminals: Terminated on terminal blocks inside weatherproof metal junction box

Secondary Junction Box: Included, mounted adjacent to transformer base with large access door and conduit entry (up to 1.5")

Secondary Windings: (4) Protection Cores – C400 / (1) Metering Core – Class 0.3

Secondary Terminal Quantity: (10)

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: 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: -

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-WD-1P-115KV-200.400.600:5-C0.3-C400-60HZ-OL-OD 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 features a multi-ratio configuration of 200:5, 400:5 and 600:5 at 60 Hz. This unit includes five secondary windings, consisting of four (4) C400 protection cores and one (1) 0.3 metering core for accurate monitoring and reliable system protection. The system has heavy-duty windings for high strength and superior thermal/electrical conductivity.

Primary Connections: The transformer is equipped with high-voltage porcelain bushings and NEMA standard pad terminals for secure and reliable primary connections.

Secondary Connections: The current transformer is equipped with a terminal block housed within a weatherproof junction box, allowing safe and convenient access to all five secondary windings for metering and relaying applications.

Benefits: The MT-HV-CT-WD-1P-115KV-200.400.600:5-C0.3-C400-60HZ-OL-OD 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. The inclusion of multiple protection and metering cores allows for flexible system integration and improved operational reliability.

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