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MT-HV-PSET-CCPT-R7-A11-GTD-115KV-SX.LM-90.5-C0.15B1.8-C0.15WXMYZ-60HZ-OL-OD-M1

115 kV High Voltage Instrument Transformer, Combinations (Current Voltage Transformer) - 3-Phase - Pole Mount, Outdoor Service, ONAN

Product ID: 327325



Image: MT-HV-PSET-CCPT-R7-A11-GTD-115KV-SX.LM-90.5-C0.15B1.8-C0.15WXMYZ-60HZ-OL-OD-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-HV-PSET-CCPT-R7-A11-GTD-115KV-SX.LM-90.5-C0.15B1.8-C0.15WXMYZ-60HZ-OL-OD-M1 Combinations Current Voltage Transformer

Unit Type: High Voltage Instrument Transformer
Unit Configuration: Combinations Current Voltage Transformer (CCVT), Liquid Insulated
Configuration Available: 1 VT, 1 CT
Phase: Single Phase
Frequency: 60 Hz
Nominal System Voltage: 92 kV
Max. System Voltage: 115 kV
System BIL: 550 kV

Ratings

Complies with ANSI / IEEE C57.13
Complies with ANSI / IEEE C57.13.6
Complies with ANSI / IEEE C57.13.2
Complies with ANSI / IEEE C57.13.5

Current Transformer:

Current Ratio: 90:5
CT Type: Inductive
Metering Accuracy Class/Burden: 0.15 B-1.8
Accuracy Range: 5% To RF
Continuous Thermal Current Rating Limit Factor (at 30°C): 4.0
Short-time Thermal Current Rating: 20 kA/1 sec.
Short-time Mechanical Current Rating: 35 kA peak
Relaying Accuracy Class: -

Voltage Transformer:

Nominal Primary Voltage: 92000Y/55200

Secondary Voltage: 115V x 69V

Voltage Ratio: 480/800:1:1
VT Type: Inductive
Accuracy Class/Burden: 0.15 WXMYZ
Rated Overvoltage Factor: -1.2 (Cont.), 1.73 (1 min.)

Thermal Burden Rating: 400 VA (ZZ)

Creepage Distance: 176.9 inches

Insulating Material: NYNAS NYTRO LYRA X Insulation Fluid, Non-PCB Fluid

Oil Capacity: 105.63 Gallons

Primary Bushing: Porcelain (Munsell 5BG 7.0/0.4, ANSI No. 70 Light Gray), w/ NEMA 4-Hole aluminum pads
Secondary Wiring: 10 AWG THHN/THWN wire enclosed in 1" flexible, liquid-tight, armored conduit
Secondary Cabinet Type: Junction Box, NEMA 3R Rating, w/ (3) Knockouts: One on each side sized for 1" Conduit Hub, One on the bottom sized for 1" Conduit Hub

Ground Pads: (2) Threaded NEMA 2-hole Ground Pads for 1/2"-13 UNC Bolts

Ground Pad Thread Protection: Rust Inhibitor w/ Flanged Cups of Non-corrosive Material Press Fitted into Threaded Openings

Primary Winding Rating: 550 kV BIL

Secondary Winding: (2) Contains Marked Ratio

Winding Material: Copper

Service Condition: Outdoor

Altitude: ≤ 3,300ft

Ambient Temperature Range: -20ºC to +45ºC

Hardware Materials: Stainless Steel

Nameplate Materials: Corrosion Resistant Stainless Steel w/ Stainless Steel Screws or Rivets For CT & VT
Paint Color: Munsell 5BG 7.0/0.4, ANSI No. 70 Light Gray
Mounting Provisions: Pole Mount, Mounted On aluminum Plate, w/ Forklift Chains
Lifting Provisions: Included
Dimensions: 40.94"-W, 31.7"-D, 159.45"-H
Weight: 2094.39 Lbs

Special Orders- Requirements

Contact us for special requirements
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The MT-HV-PSET-CCPT-R7-A11-GTD-115KV-SX.LM-90.5-C0.15B1.8-C0.15WXMYZ-60HZ-OL-OD-M1 High Voltage Instrument Transformer (Current Voltage Transformer) from Larson Electronics is designed for power utility applications in outdoor locations. The low operating costs, low heat emissions and low cost of ownership make this transformer an ideal solution for metering, high voltage system control and more. This transformer is compatible with pedestal mounting installations.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

Transformer Features: The MT-HV-PSET-CCPT-R7-A11-GTD-115KV-SX.LM-90.5-C0.15B1.8-C0.15WXMYZ-60HZ-OL-OD-M1 is rated for 115 kV, 60 Hz. The system has heavy-duty windings for high strength and thermal/electrical conductivity.

Insulation Fluid: The MT-HV-PSET-CCPT-R7-A11-GTD-115KV-SX.LM-90.5-C0.15B1.8-

C0.15WXMYZ-60HZ-OL-OD-M1 is liquid insulated by NYNAS NYTRO LYRA X insulation fluid (ONAN) .

Primary Connections: The transformer has NEMA 4-inch, 2-hole aluminum pad terminals for primary connections. The terminal conducting surface is horizontal. The current transfer point is tinned or silver plated.

Secondary Connections: This current transformer has an accessible terminal block for secondary connections. The terminal block is protected by a weatherproof, metal junction box located on the transformer base housing and features a large access door. Operators can access three 1.5" openings for completing connections.

Mount: The MT-HV-PSET-CCPT-R7-A11-GTD-115KV-SX.LM-90.5-C0.15B1.8-C0.15WXMYZ-60HZ-OL-OD-M1 is Pole Mounted on aluminum frame.

Benefits: The MT-HV-PSET-CCPT-R7-A11-GTD-115KV-SX.LM-90.5-C0.15B1.8-C0.15WXMYZ-60HZ-OL-OD-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, utility power generation, power grids, substations, metering, high voltage system control 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