Larson Electronics LLC
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MT-HV-CCVT-R7-A11-GEXD-245KV-SX.LM-C0.3WXYZZZ-Z-60HZ-OL-OD-M1

245 KV High Voltage Coupling Capacitor Voltage Transformer - 240000Y/138000 Primary, 115V x 67.08V Secondary- 1200/2000:1 Ratio - 0.3WXYZZZ Accuracy Class - Single Bushing

Product ID: 322886

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



Image: MT-HV-CCVT-R7-A11-GEXD-245KV-SX.LM-C0.3WXYZZZ-Z-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-CCVT-R7-A11-GEXD-245KV-SX.LM-C0.3WXYZZZ-Z-60HZ-OL-OD-M1 Coupling Capacitor Voltage Transformer

Type: High Voltage Coupling Capacitor Voltage Transformer (HV-CCVT)
Phase: Single Phase
Frequency: 60 Hz
Primary Voltage Rating: 240000Y/138000 KV
Maximum System Voltage: 245 KV
Primary Voltage BIL Rating (1.2/50 µs): 900 KV
Secondary Voltage Rating: 115V x 67.08V
Winding Ratio: 1200/2000:1
Overvoltage Factor (1 min.): 1.4
Design Capacitances: 5000 pF
Capacitance 1: 5452 pF
Capacitance 2: 87728 pF
No. Of Coupling Capacitors: (2)
Creepage Distance: 176.96 Inch
Rated Output: 200 VA (For each winding)
Maximum Thermal Output: 1000 VA
Dissipation Factor: < 0.08%
Insulation Fluid: Oil-paper-quartz (Non-PCB)

Approvals/Ratings

ANSI/ IEEE C57.12, C57.13

Capacitor Synthetic Oil Type: PEPE, 66.14 lbs

Electromagnetic Mineral Oil Type: I-30 Transformer oil, 198.42 lbs

Bushing Material: Porcelain

Bushing Painting: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)

Altitude: 5,250ft Above Seal Level

Design Wind Speed: 90 mph

Seismic Site Class: "C"

Operating Temperature: -20°C to +45°C

Primary Termination: 5.51 x 4.72 inches

Secondary Termination: The secondary winding connections are terminated on a terminal block mounted in the secondary terminal box

Secondary terminal box: Included, NEMA 4 Insulation Class, equipped with a detachable, undrilled gland plate. The terminal box is adjacent to and adjoin the transformer base housing. The junction box includes a large access door and provision for entry of three conduits (1.5 inch maximum diameter) for CPS connection.

Grounding Pads: Included, The transformer is provided with two (2) NEMA 2-hole ground pads. One ground pad is located near the secondary junction box. The holes in the ground pads are threaded for 1/2"-13 UNC bolts. The threads are protected with a rust inhibitor and with flanged cups of a non-corrosive material press fitted into threaded openings.

ANSI Accuracy Rating: 0.3% WXYZ, ZZ

Oil Level Gauge: Included

Fill Plug: Included

Drain Valve: Included, equipped with sampling device.

Lifting Provisions: Included

Base Housing Material: Steel

Housing Painting: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)

Mounting: Floor/Base Mounting

Dimensions: 30.71"x26.38"x95.47"

Total Weight: 1322.77 lbs

Special Orders - Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

The MT-HV-CCVT-R7-A11-GEXD-245KV-SX.LM-C0.3WXYZZZ-Z-60HZ-OL-OD-M1 from Larson Electronics is a 240,000 V Single Phase High Voltage Coupling Capacitor Voltage Transformer that is powerful, reliable, and innovatively designed. The MT-HV-CCVT-R7-A11-GEXD-245KV-SX.LM-C0.3WXYZZZ-Z-60HZ-OL-OD-M1 features a 1200/2000:1 winding ratio that allows the voltage being used on a cable to be measured. This is an ideal solution for measuring and monitoring voltages being used on cables.

Transformer Features: With a 1200/2000:1 Ratio, the MT-HV-CCVT-R7-A11-GEXD-245KV-SX.LM-C0.3WXYZZZ-Z-60HZ-OL-OD-M1 is a single phase high voltage coupling capacitor current transformer with a primary voltage of 240,000Y/138000 and a secondary voltage of 67.08/115V. Featuring compact and innovative construction, this unit's cores are manufactured with high-quality silicon steel laminations using state of the art technology. The unique quartz filling minimizes the quantity of oil and provides a mechanical support to the cores and primary winding. Due to the low center of gravity the MT-HV-CCVT-R7-A11-GEXD-245KV-SX.LM-C0.3WXYZZZ-Z-60HZ-OL-OD-M1 is very suitable for areas with high seismic activity.

This unit is compatible with floor mounting and base mounting. The unit also features an operating temperature range of -50°C to +55°C.

Applications: Voltage Monitoring, Switchgear, Distribution Systems, Generator Sets, Metering

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



Image: MT-HV-CCVT-R7-A11-GEXD-245KV-SX.LM-C0.3WXYZZZ-Z-60HZ-OL-OD-M1

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Export Control Classification Number (ECCN): EAR99

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