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MT-HV-CCVT-R7-A11-GXK-145KV-SX.LM-C0.3WXMYZ-Z-60HZ-OL-OD-M1

145 KV High Voltage Coupling Capacitor Voltage Transformer - 138000Y/80000 Grounded Wye Primary, 115/69 V Secondary, Class 0.3, WXMYZ

Product ID: 322286

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-GXK-145KV-SX.LM-C0.3WXMYZ-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-GXK-145KV-SX.LM-C0.3WXMYZ-Z-60HZ-OL-OD-M1 High Voltage Coupling Capacitor Voltage Transformer

Type: High Voltage Coupling Capacitor Voltage Transformer (HV-CCVT)
Phase: Single Phase
Frequency: 60 Hz
Primary Voltage Rating: 138000Y/80000 Grounded Wye
Maximum System Voltage: 145 KV
Primary Voltage BIL Rating: 650 KV
Primary Min. Creepage Distance: 142 inches
System Short Circuit: 31.5 kA
Voltage Rating Factor: 1.2 (Cont.) / 1.5 (30 Sec.)
Secondary Voltage: 115/69V Dual Windings, Single Phase
Rated Capacitances: 5000 pF
No. Of Coupling Capacitors: (2)
Creepage distance: TBD
Insulation Fluid: Oil-paper-quartz (Non-PCB)
Bushing Material: Porcelain
Bushing Painting: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)
Primary Bushing Insulator Material: Porcelain
Primary Termination: The primary terminal (H1) is NEMA 4-inch, 4-hole copper pad terminal. The terminal conducting surface is horizontal. The current transfer point is tinned or

Approvals/Ratings

IEC/EN60044-1, BS7626 Compliant
Two Years Of Warranty

silver plated
Secondary Termination: The secondary winding connections are terminated on a terminal block mounted in the secondary terminal box.
Secondary terminal box: Included, NEMA 3R Insulation Class, equipped with a detachable, undrilled gland plate. The terminal box is provided with a drain. 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 Metering Accuracy Rating: 0.3
Burdens: WXMYZ
Capacitor Neutral Terminal: Insulated, suitable for PLC coupling; connectable via 2-position bolted link
Capacitor Divider Voltage Withstand: 2.5 kV RMS
Capacitor Ground Switch: Included
Electromagnetic Unit (EMU): Hermetically sealed; housed in cast aluminum oil-filled tank with naphthenic mineral oil
Electrostatic Screen: Between primary and secondary; grounded with disconnecting link; impulse transfer ≤ 3 kV peak
Ferroresonance Suppression: Included, with remote indication/alarm for failure or operation
EMU Secondary Termination: Oil/air seal block assembly to terminal blocks
Oil Level Gauge: Included
Fill Plug: Included
Drain Valve: Included, equipped with Sampling device.
Heater: Included, 120/240 VAC, 1-Phase
Carrier Accessories for PLC Coupling: Included
Lifting Provisions: Included
Base Housing Material: Steel
Elevation: <3300 feet Above Sea Level
Humidity Range: 0-100%
Seismic Zone: Zone 2A
Wind Load: 90 mph
Ice Loading: 0.5 inch
Operating Temperature Range: -40°C to +40°C
Housing Painting: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)
Mounting: Pedestal (vertical)
Dimensions: 26.38"-W, 20.87"-L, 95.47"-H
Total Weight: 1,322.77 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-GXK-145KV-SX.LM-C0.3WXMYZ-Z-60HZ-OL-OD-M1 from Larson Electronics is a 145KV Single Phase High Voltage Coupling Capacitor Voltage Transformer that is powerful, reliable, and innovatively designed. This is an ideal solution for measuring and monitoring voltages being used on cables.

Transformer Features: The MT-HV-CCVT-R7-A11-GXK-145KV-SX.LM-C0.3WXMYZ-Z-60HZ-OL-OD-M1 is a single phase high voltage coupling capacitor current transformer with a maximum voltage of 145KV. 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-GXK-145KV-SX.LM-C0.3WXMYZ-Z-60HZ-OL-OD-M1 is very suitable for areas with low seismic activity.

This unit is compatible with floor mounting and base mounting. The unit also features an operating temperature range of -40°C to +40°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

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Export Control Classification Number (ECCN): EAR99

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- **Video1** (https://www.youtube.com/watch?v=pXV6zJym8pk)
- **ISO 9001 Certification** (http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
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