Larson Electronics LLC
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MT-EHV-CCVT-R7-A11-GEXD-362KV-SX.LM-C0.15WXYZ.C0.6WXYZ-Z-60HZ-OL-OD-M1

362 KV Extra High Voltage Coupling Capacitor Voltage Transformer - 345000Y/207000 Primary, 115/69 x 115/69V Secondary - 0.15WXYZ x 0.6WXYZ Metering Accuracy Class - Single Bushing

Product ID: 332553

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



Image: MT-EHV-CCVT-R7-A11-GEXD-362KV-SX.LM-C0.15WXYZ.C0.6WXYZ-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-EHV-CCVT-R7-A11-GEXD-362KV-SX.LM-C0.15WXYZ.C0.6WXYZ-Z-60HZ-OL-OD-M1 Coupling Capacitor Voltage Transformer

Type: Extra High Voltage Coupling Capacitor Voltage Transformer (EHV-CCVT)
Phase: Single Phase
Frequency: 60 Hz
Rated Voltage (L-L): 345 KV
Rated Voltage (L-N): 207 KV
Maximum Cont. System Voltage (L-L): 362 KV
Maximum Cont. Rated Voltage (L-G): 209 KV
Power Frequency Withstand Voltage: 785 kV
Basic Switching Level: 975 kV
Basic Impulse Level: 1550 KV
Secondary Voltage Rating: 115/69V x 115/69V
Rated Voltage Factor: Continuous - 1.2, 30 Seconds - 1.5, 30s
No. of Secondary Windings: 2
Winding Ratio: 1800/3000:1, 1800/3000:1
Transient Response: < 10% residual in 1 cycle @ 400, < 6% residual in 1 cycle @ 200 VA
Capacitances: 8200 pF
Ferro Resonance Suppression: < 10% in 200 mS @ 150% rated V
Thermal Rating: 500 VA For 0.15WXYZ Accuracy, 1000 VA For 0.6WXYZ Accuracy (1500 VA Total Combined Thermal Rating)

Approvals/Ratings

ANSI/ IEEE C52, C57.13
5-Year Warranty

Factory Tests:

Capacitive Voltage Divider Test
Polarity Test
Sealing Test
Winding Insulation Resistance Test
Winding Insulation Resistance Test
Ferromagnetic Resonant Test
Transformer Oil Test

Creepage Distance: 441.81”
Insulation Fluid: Mineral Oil (Non-PCB)
Capacitor Synthetic Oil Type: PEPE
Bushing Material: Porcelain, w/ 4-Hole NEMA Pad Terminal
Bushing Painting: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)
Altitude: 3,300ft Above Sea Level
Design Wind Speed: 91 mph
Seismic Loading: 0.2 g ground acceleration
Operating Temperature: -40°C to +40°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 on the base, suitable for terminating a 4/0AWG to 500 kcmil copper ground wire.
Potential Ground Switch: Included, operable by a hook stick from ground elevation without opening the base housing of the CCVT
Space Heater: Included, 240V AC Rated Voltage, 120V AC Applied Voltage
ANSI Accuracy Rating: 0.15 WXYZ x 0.6WXYZ
Oil Level Gauge: Included
Fill Plug: Included
Drain Valve: Included, equipped with a 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: 31.5" x 26.38“ x 194.29"
Total Weight: 2314.85 lbs

Design Tests:
Lightning Impulse Test
Partial Discharge Test
Power Factor and Capacitance Test

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-EHV-CCVT-R7-A11-GEXD-362KV-SX.LM-C0.15WXYZ.C0.6WXYZ-Z-60HZ-OL-OD-M1 from Larson Electronics is a 362 kV Single Phase Extra High Voltage Coupling Capacitor Voltage Transformer that is powerful, reliable, and innovatively designed. The MT-EHV-CCVT-R7-A11-GEXD-362KV-SX.LM-C0.15WXYZ.C0.6WXYZ-Z-60HZ-OL-OD-M1 features a 1800/3000:1 winding ratio.

Transformer Features: The MT-EHV-CCVT-R7-A11-GEXD-362KV-SX.LM-C0.15WXYZ.C0.6WXYZ-Z-60HZ-OL-OD-M1 is a single phase extra high voltage coupling capacitor voltage transformer with a primary voltage of 345000Y/207000 and a secondary voltage of 115/69V. 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-EHV-CCVT-R7-A11-GEXD-362KV-SX.LM-C0.15WXYZ.C0.6WXYZ-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 -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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- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/332553.JPG)
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