

MT-MV-PT-R7-B22-GMP-15KV-SY-C0.5-60HZ-RC-ID-M1

15 KV Potential Transformer, Dry Type - 13800/13800Y Grounded Wye Primary, 110V Secondary, Class 0.5, Dual-Bushing, Light Grey

Product ID: 321830

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



Image: MT-MV-PT-R7-B22-GMP-15KV-SY-C0.5-60HZ-RC-ID-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-MV-PT-R7-B22-GMP-15KVA-SY-C0.5-60HZ-RC-ID-M1 Potential Transformer

Ratings

Unit Type: Potential Transformer, Secondary-Fused

Meets IEEE C57.13 Standard

Application: Solid State Relaying And Electronic Metering

Meets ANSI C12.11 Standard

Phase: Single Phase

Indoor Service

Primary Voltage: 13800/13800Y

Non-corroding Nameplate

Primary Voltage Class: 15 KV

Primary Phasor: Grounded Wye

Primary BIL: 110 KV

Strike Distance: 10.23 inches

Min. Creepage Distance: 21.2 inches

Primary to Secondary Ratio: 125:1

Secondary Voltage: 110V

Cont. Rated Voltage Factor: 1.1

Rated Voltage Factor (30 Sec.): 1.25

Power-Frequency Withstand Voltage (1 min) (Primary & Secondary): 34 kV rms

Power-Frequency Withstand Voltage (1 min) (Secondary Winding): 2.5 kV rms

Frequency: 60 Hz

No. Of Bushing(s): (2)

Thermal Burden Rating (at 30°C ambient): 1000 VA

ANSI Accuracy Class Operation at Rated Voltage (Metering Accuracy): 0.5

Cooling Class: AA, Dry-Type

Insulator Material: Resin

Primary Terminal Type: TE-4T

Primary Terminal Material: Copper

Primary Overcurrent Protection: Fused

Secondary Terminal Type: Quick Connector

Secondary Terminal Material: Brass

Secondary Overcurrent Protection: Included, 16A Fuse

Secondary Junction Box: Included, with 2-holes to conduit pipe ø1" NPT

Grounding Terminal Type: TE-12-250

Grounding Terminal Material: Copper

Grounding Terminal Range: TRE-250MCM

Winding Material: Copper

Nameplate Material: Stainless Steel

Operation Temperature Range: -50°C to +55°C

Average Temperature Rating (24 hrs): +45°C

Service Condition: Indoor

Wind Speed Rating: 90 mph

Altitude: 3,300 ft Above Sea Level

Seismic Qualification: Low Level, IEEE 693

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

Housing Materials: Cast in hydrophobic cycloaliphatic epoxy (HCEP)

Mount: Mounted In Upright, Cantilever, Or Upside-Down Positions

Distance Between The Bushings: 11.42 inches

Mounting Holes: Included, (4)

Base Plate Dimensions: -

Total Dimensions: 12.5"-W x 8.03"-D x 17.7"-H

Total Weight: 83.7 lbs

Special Orders - Special Requirements

Contact us for special requirements

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The MT-MV-PT-R7-B22-GMP-15KV-SY-C0.5-60HZ-RC-ID-M1 Potential Transformer from Larson Electronics facilitates power distribution in indoor 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. This indoor service instrument transformer is equipped with galvanized I-beam pedestals for installation.

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

Transformer Features: The potential transformer is rated for 13800/13800Y Grounded Wye primary and 110V secondary and has an accuracy class of 0.5 at 60 Hz. The system has heavy-duty windings for high strength and thermal/electrical conductivity.

Primary Connections: The transformer has a standard terminals for primary connection.

Secondary Connections: The potential transformer is equipped with a terminal block protected by a removable cover.

Benefits: The MT-MV-PT-R7-B22-GMP-15KV-SY-C0.5-60HZ-RC-ID-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, 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.



Frequently Asked Questions (FAQ)

There are no Fags



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Links (Click on the below items to view):

- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/321830.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=4-JEyYeYcn8>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
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