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MT-CT-R7-1P-DVD-36KV-600.5MR-CL3-60HZ-M1

600-Amp Current Transformer - 25000V - 600/500/450/400/300/250/150/100:5 MR Ratio - 0.3B-0.1 Accuracy Class - Single Phase

Product ID: 310482



Image: MT-CT-R7-1P-DVD-36KV-600.5MR-CL3-60HZ-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-CT-R7-1P-DVD-36KV-600.5-CL3-60HZ-M1 Current Transformer

Type: Current Transformer
Phase: Single Phase
Frequency: 60 Hz
Nominal System Voltage: 25 KV
Voltage Class: 36 KV
Basic Impulse Level: 150 KV
Winding Ratio: 600/500/450/400/300/250/150/100:5 MR
Normal Rating Current: 600 A
Continuous Thermal Current Rating Factor (RF): 2.0
Short Time Thermal Current Rating (1 Sec.): 21 kA
Short Time Mechanical Current Rating: 55 kA
Accuracy Class: 0.3B-0.1
Insulation: Oil-paper-quartz (Non-PCB)
Bushing Type: Composite (Polymer)
Bushing Painting: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)
Primary Termination: 4 Hole NEMA configuration
Secondary Windings: 2 each (X, Y)
Secondary Termination: Stud type connectors
Secondary Junction Box: Upgraded from Standard Size
ACSR Termination Lugs: 477 MCM, BURNDY CAT #NAR36A-4N (for each pad)
Lug Affixing Hardware: 2"-13NC, Durium Bolts, Washers & Nuts
External Metal Parts: Hot Dipped Galvanized per ASTM standards

Approvals/Ratings

IEC/EN60044-1, BS7626 Compliant
ANSI #C57.13

Support Frame Ground Lugs: Suitable for #4/0 AWG Copper

Gland Plate: Included, Removable

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
Transportation : Suitable for shipment in the horizontal plane with a max of one (1) CT per shipping crate

Dimensions:
Total height : TBD
Height to primary terminal : TBD
Ground level height : TBD
Min. Flashover Distance: 10 inches
Min. Creepage Distance: 27 inches
Length across primary terminal bushing: TBD
Dimension of bottom tank: TBD
Height to terminal box: TBD
Spacing for mounting holes: TBD

Environmental Conditions:

Location: Indoor/Outdoor

Operating Temperature: -20°C to +50°C

Altitude: Less than 328ft

Wind Velocity: 93.2 mph

Environment: Trace amounts of H2S, SO2 , and coke dust

Weights:
Fluid Weight: TBD
Total Weight: TBD

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-CT-R7-1P-DVD-36KV-600.5MR-CL3-60HZ-M1 from Larson Electronics is a 36 kV Single Phase Medium Voltage Current Transformer that is powerful, reliable, and innovatively designed. The MT-CT-R7-1P-DVD-36KV-600.5MR-CL3-60HZ-M1 features a 600/500/450/400/300/250/150/100:5 winding MR ratio that allows the current being used on a cable to be measured. This is an ideal solution for measuring and monitoring currents being used on cables.

Transformer Features: With a 600/500/450/400/300/250/150/100:5 MR Ratio, the MT-CT-R7-1P-DVD-36KV-600.5MR-CL3-60HZ-M1 is a single phase medium voltage current transformer with a voltage class of 36 kV. 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-CT-R7-1P-DVD-36KV-600.5MR-CL3-60HZ-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 -20°C to +50°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