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MPD-EMC-R7-3P-DMN-15.25KV-YT-200.5CT-N3R-M1

15/25 kV Electrical Metering Cabinet, Combinations (CT/PT) - 3-Phase - Dry Type - Pad Mount, Outdoor Service

Product ID: 346174



Image: MPD-EMC-R7-3P-DMN-15.25KV-YT-200.5CT-N3R-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.

MPD-EMC-R7-3P-DMN-15.25KV-YT-200.5CT-N3R-M1 Electrical Metering Cabinet Combinations (CT/PT)

Unit Type: Electrical Metering Cabinet (EMC)
Unit Configuration: Combinations Current & Voltage Transformer (CT/PT), Dry Type
Rated Frequency: 60 Hz
Phase: Three Phase
Wire: Three Wire
System Voltage: 15/25 kV Rated
BIL: 125 kV

Ratings

Complies with ANSI / IEEE C57.13
Complies with ANSI / IEEE C57.13.6
Complies with ANSI / IEEE C57.13.2
Complies with ANSI / IEEE C57.13.5

CT Specifications:

Quantity: (3)
Rated Voltage: 15/25 kV
Current Ratio: 200:5
Metering Accuracy Class: 0.3-B1.8
Relaying Accuracy Class: C200
Rating Factor: 2.0

PT Specifications:

Quantity: (3)
Primary Voltage: 14400V Delta
Primary Voltage Class: 15/25 KV

Secondary Voltage: 208V

Secondary Voltage Class: 1.2 KV

Voltage Ratio: 69:1

Input Configuration: (3) 600 A Dead-Break Bushing Elbows

Output Configuration: (3) 600 A Dead-Break Bushing Elbows

Power Quality and Revenue Meter: Included, SEL 735

Insulating Material: Air, Dry Type

Meter Socket: N/A, Terminal Blocks Only

Ground Pads: Included in CT/PT Sides

Phase To Ground Compartment Barriers: Red Reinforced Polyester

Winding Material: Copper

Service Condition: Outdoor

Altitude: N/A

Ambient Temperature Rating: N/A

Hardware Materials: Stainless Steel

Enclosure Color: Munsell™ 7GY 3.29/1.5 Green

Enclosure Material: 11 gauge Steel (Standard)

Enclosure Class: NEMA 3R Weatherproof

Nameplate Materials: Corrosion Resistant Stainless Steel w/ Stainless Steel Screws or Rivets For CT & VT

Paint Color: Munsell™ 7GY 3.29/1.5 Bell Green
Mounting Provisions: Pad Mount
Lifting Provisions: Included
Elbow Centerline Height: ~14" – 16" off ground
Dimensions: 31.5" x 78.7" x 31.5"
Weight: 661.4 lbs

Special Orders- Requirements
Contact us for special requirements
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E-mail: sales@larsonelectronics.com

The MPD-EMC-R7-3P-DMN-15.25KV-YT-200.5CT-N3R-M1 Electrical Metering Cabinet from Larson Electronics is a primary metering enclosure designed for utility power distribution systems. This 15/25 kV metering cabinet supports accurate revenue-grade measurements using integrated current transformers and voltage transformers. Built for outdoor pad-mounted installations, the unit provides safe, tamper-resistant access to CTs, PTs, and dead-front load-break terminations.

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

Cabinet Features: The MPD-EMC-R7-3P-DMN-15.25KV-YT-200.5CT-N3R-M1 is rated for 15/25 kV, 60 Hz and features three (3) 200:5 0.15S-class current transformers and three (3) 14400/208 V 0.15-class voltage transformers. The enclosure is constructed of NEMA 3R aluminum and meets IEEE C57.12.28 requirements for pad-mounted equipment. Separate CT/PT and cable termination compartments are located on opposite sides of the enclosure.

Insulation Fluid: The MPD-EMC-R7-3P-DMN-15.25KV-YT-200.5CT-N3R-M1 is a dry type.

Primary Connections: The cabinet is equipped with 600A IEEE-386 separable dead-break bushing wells for dead-front connections (radial feed).

Test Switch and Metering: A 10-pole test switch is mounted in the CT/PT compartment for safe meter testing and isolation. External mounting provisions are provided for a utility safety socket per EUSERC 339

Mount: The MPD-EMC-R7-3P-DMN-15.25KV-YT-200.5CT-N3R-M1 is pad-mounted and includes stainless steel lifting provisions.

Benefits: The MPD-EMC-R7-3P-DMN-15.25KV-YT-200.5CT-N3R-M1 cabinet 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, utility power generation, power grids, substations, metering, high voltage system control 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.

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Frequently Asked Questions (FAQ)

There are no Faqs