Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MPD-EMC-R7-3P-DMN-15KV-100.5CT-N3R-M2

15 kV Electrical Metering Cabinet, Combination (CT/PT) with SEL-735 Meter – 3-Phase – Dry Type – Pad Mount, Outdoor Service

Product ID: 346252

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



Image: MPD-EMC-R7-3P-DMN-15KV-100.5CT-N3R-M2

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-15KV-100.5CT-N3R-M2 - Electrical Metering Cabinet
Unit Type: Electrical Metering Cabinet (EMC), Combination CT/PT, Dry Type

Unit Configuration: 3-Phase, 60Hz
Rated Current: 200A

CT Specifications

Quantity: (3), Bar Primary Type, Rated Voltage 15.5kV
Current Ratio: 100:5, Accuracy Class: 0.3% Metering
Power Quality/Revenue Meter Included: SEL-735 (or shorted lead time equivalent)

PT Specifications
Quantity: (3), Primary Voltage: 14,400V (Line-to-Line), 15kV Class, 95kV BIL
Secondary Voltage: 120/240V, 1.2kV Class
Voltage Ratio: 100:1, Accuracy Class: 0.3%

Primary/Secondary Connections
Input: 200A Dead-Break Elbow, Set 31" Max. Above Fixed Floor
Output: 200A Dead-Break Elbow, Set 23" Max. Above Fixed Floor
Secondary: Accessible Terminal Blocks, Weatherproof Gasketed Compartment

Made in the USA

Features of Every Assembly
Power Quality/Revenue Meter Included: SEL-735
Ground Pads Included on CT/PT Sides
Phase-to-Ground Compartment Barriers: Red Reinforced Polyester
Copper Winding Material

Ratings & Approvals
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

Construction
Insulating Material: Air, Dry Type
Hardware: Stainless Steel
Nameplate: Corrosion-Resistant Stainless Steel
Enclosure: NEMA 3R Weatherproof, Munsell 7GY 3.29/1.5 Bell Green
Service Condition: Outdoor

Dimensions & Shipping
Overall Dimensions: 31.5"W × 78.7"D × 31.5"H (estimated)
Approximate Weight: 661.4 lbs (estimated)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Final shipping configuration subject to approved design

Special Orders – Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and applicable drawings.

The MPD-EMC-R7-3P-DMN-15KV-100.5CT-N3R-M2 Electrical Metering Cabinet from Larson Electronics is designed for power utility applications in outdoor locations. The low operating costs, low heat emissions, and low cost of ownership make this cabinet an ideal solution for revenue metering, high voltage system monitoring, and power quality analysis. This cabinet is compatible with pad-mounted installations.

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

This cabinet is rated for 15kV (14,400V nominal), 200A continuous current, 95kV BIL, and 60Hz. The system includes (3) 100:5 bar-type current transformers and (3) 100:1 potential transformers with 0.3% metering accuracy. The PT secondary provides 120/240V, 3-phase, 4-wire (wye) output for connection to the integrated SEL-735 revenue and power quality meter.

Insulation Fluid
The unit is dry type.

Primary Connections
The cabinet utilizes 200A dead-break elbow connectors for primary connections. The separable insulated connectors are positioned per pad-mount utility standards and provide safe, reliable medium voltage terminations.

Secondary Connections
The CT/PT assembly features accessible terminal blocks for secondary connections, protected within a weatherproof metal compartment with a gasketed access door for safe and organized wiring to the revenue meter.

Mount
The unit is pad mounted.

Construction
The cabinet is constructed with red reinforced polyester phase-to-ground compartment barriers, copper winding material, stainless steel hardware, and a corrosion-resistant stainless steel nameplate. The enclosure is NEMA 3R weatherproof, finished in Munsell 7GY 3.29/1.5 Bell Green.

Applications
Electric power distribution, utilities, utility power generation, power grids, substations, metering, high voltage system control, and more.

Customer Compliance
This equipment is offered per the specifications and ratings detailed herein. Minor refinements to arrangement, dimensions, and installation details may be made during detailed engineering review to ensure proper fit, code compliance, and manufacturability, with any such refinements confirmed prior to manufacture.

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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=4-JEyYeYcn8)
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