Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
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MPD-EMC-R7-3P-DMR-15KV-YZ-100.5CT-N3R-M1

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

Product ID: 332715

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



Image: MPD-EMC-R7-3P-DMR-15KV-YZ-100.5CT-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-DMR-15KV-YZ-100.5CT-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
Rated Current: 100A
Wiring Configuration: 4-Wire

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 (Included Provisions Only):

Quantity: (3)
Type: Bar Primary Type
Rated Voltage: 15.5 kV
Current Ratio: 100:5
Accuracy Class: 0.3% Metering
Continuous Thermal Rating Factor (@30°C): 2.0

PT Specifications (Included Provisions Only):

Quantity: (3)
Primary Voltage: 12470V (Line-to-Line)
Primary Voltage Class: 15 kV
Primary BIL: 95 kV

Secondary Voltage: 240Y/120
Secondary Voltage Class: 1.2 kV
Voltage Ratio: 60:1
Thermal Rating (@30°C): 1000 VA
Metering Accuracy Class: 0.3%

Input Configuration: 200 amp dead break elbow, Set 31" max. above fixed floor
Output Configuration: 200 amp dead break elbow, Set 23" max. above fixed floor
Power Quality and Revenue Meter: Included, SEL 735, w/o Meter Socket, Included in Its Own Cabinet
Insulating Material: Air, Dry Type
Ground Pads: Included in CT/PT Sides
Phase To Ground Compartment Barriers: N/A
Winding Material: Copper
Service Condition: Outdoor
Altitude: N/A
Ambient Temperature Rating: N/A
Hardware Materials: Stainless Steel
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
Dimensions: 59.06"W x 49.21"D x 59.06"H
Weight: 1,300 Lbs

Special Orders- 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

The MPD-EMC-R7-3P-DMR-15KV-YZ-100.5CT-N3R-M1 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 mounting installations.

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

Cabinet Features: The MPD-EMC-R7-3P-DMR-15KV-YZ-100.5CT-N3R-M1 is rated for 15 kV (12470V nominal), 200A continuous current, 95 kV BIL and 60 Hz. The system includes (3) 100:5 bar-type current transformers and (3) 60:1 potential transformers with 0.3% metering accuracy. The PT secondary provides 120/240V, 3-phase, 4-wire (wye) output for connection to the integrated revenue and power quality meter.

Insulation Fluid: The MPD-EMC-R7-3P-DMR-15KV-YZ-100.5CT-N3R-M1 is Dry type.

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

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

Mount: The MPD-EMC-R7-3P-DMR-15KV-YZ-100.5CT-N3R-M1 is pad mounted.

Benefits: The MPD-EMC-R7-3P-DMR-15KV-YZ-100.5CT-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

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/332715.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/332715.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/332715.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/332715.JPG)
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- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/332715.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/332715.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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