

MPD-EMC-R7-3P-DMN-15KV-SW-200.5CT-N3R-M1

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

Product ID: 337615

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-SW-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-15KV-SW-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

Ratings

Complies with ANSI / IEEE C57.13

Complies with ANSI / IEEE C57.13.6

Meets/Exceeds IEEE C57.12.28

Meets IEEE 386

CT Specifications:

Quantity: (2)

Rated Voltage: 15 kV

BIL: 95 kV

Current Ratio: 200:5

CT Design Form: Window / Ring Type

Accuracy Class: 0.15S Class

Continuous Thermal Current Rating Factor (RF): 1.5

Shorting Device: Included, Manual

Terminals: Suitable to terminate #14 through #4 copper wire

Secondary Terminal Cover: Included, sealable

Warranty

Failure of any component due to defective design, material, or workmanship within 12 months of energization or 18 months from delivery, whichever occurs first, shall be repaired or replaced at no cost.

PT Specifications:

Quantity: (2)
Primary Voltage: 14,400V
Primary Voltage Class: 15 KV
Primary BIL: 95 kV
Secondary Voltage: 120V
Voltage Ratio: 14400:120
Accuracy Class: 0.15 Class
Thermal Burden: 1500 VA @ 30°C
Primary Protection: Primary fuse mounted on each PT

Main Bus Rating: 600A continuous
Bus Material: Copper
Jumpers: Fused jumpers from main bus to CTs and VTs, Insulated for 15 kV
Dead-Front Terminations: 600A, 15kV Rated, 95 kV BIL Separable Dead-Break
Integral Bushings, Elastimold #K650S1
Dead-Front Bushings Per Phase: One (1) 600A Bushing Well per phase
Radial Feed: One (1) 600A loadbreak connection per phase
Test Switch Type: 10-pole test switch
Test Switch Location: Interior metering compartment
CT Wiring: #10 AWG solid copper
VT Wiring: #12 AWG solid copper
Meter Socket: Form 9S Meter Socket
Grounding Bosses: Stainless steel grounding provisions included
Compartment Layout: Separate metering and elbow compartments
Phase To Ground Compartment Barriers: GPO-3 Reinforced Polyester
Fault Venting: Tamper-proof stainless screened vents rated for 10kA, 15 cycles.
Winding Material: Copper
Service Condition: Outdoor
Roof: Anti-condensation coated roof
Base: Pad-mounted free-standing enclosure
Door Safety: Padlockable three-point latching doors
Hardware Materials: Stainless Steel
Enclosure Material: 11-Gauge 304 Stainless Steel
Enclosure Class: NEMA 3R Weatherproof
Nameplate Materials: Corrosion Resistant Stainless Steel
Markings: Name, Voltage Rating, Current Rating, BIL, CT/PT Ratios, One-Line
Diagram
Paint Color: Munsell™ 7GY 3.29/1.5 Bell Green
Mounting Provisions: Pad Mount
Lifting Provisions: Removable lifting brackets included
Spare Parts: three (3) spare primary fuses for the PTs.
Dimensions: 54" x 54" x 51"
Weight: Approx. 1300 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-DMN-15KV-SW-200.5CT-N3R-M1 Electrical Metering Cabinet from Larson Electronics is designed for utility revenue metering and medium voltage power distribution applications in outdoor environments. This dead-front CT/PT metering cabinet is rated for 15 kV class systems and supports three-phase, 3-wire delta configurations operating at 60 Hz. The unit features a 600-amp copper bus, 95 kV BIL insulation level and pad-mounted construction for utility and industrial installations.

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

Cabinet Features: The MPD-EMC-R7-3P-DMN-15KV-SW-200.5CT-N3R-M1 is configured with two current transformers and two potential transformers for 5S utility metering applications. The cabinet utilizes dry-type insulation construction with reinforced GPO-3 barriers, dead-front 600A loadbreak terminations and a Form 9S meter socket with 10-pole test switch. The enclosure is manufactured from heavy-duty 11-gauge 304 stainless steel and includes padlockable three-point latching doors for enhanced operator safety and security.

Insulation Fluid: The MPD-EMC-R7-3P-DMN-15KV-SW-200.5CT-N3R-M1 is a dry-type metering cabinet with air-insulated construction.

Primary Connections: The cabinet is equipped with 600A, 15kV-rated dead-front loadbreak bushings compatible with separable elbow terminations. The copper bus system is insulated for medium voltage operation and includes fused PT protection.

Secondary Connections: This CT/PT cabinet contains accessible terminal wiring provisions for metering and testing connections. The metering compartment includes a Form 9S meter socket and integrated 10-pole test switch for utility monitoring and service operations.

Mount: The MPD-EMC-R7-3P-DMN-15KV-SW-200.5CT-N3R-M1 is designed for outdoor pad-mounted installations.

Benefits: The MPD-EMC-R7-3P-DMN-15KV-SW-200.5CT-N3R-M1 metering cabinet provides reliable utility-grade metering performance for medium voltage distribution systems. The dead-front construction enhances operator safety while the stainless steel weatherproof enclosure provides corrosion resistance and long service life in demanding outdoor environments.

Applications: Utility revenue metering, electrical power distribution, substations, medium voltage systems, utility power generation, industrial facilities, switchgear systems, underground distribution networks and high voltage monitoring applications.

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 Faqs



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Export Control Classification Number (ECCN): EAR99

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