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

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MPD-EMC-R7-1P-SP-1.2KV-SP-400.5CT-N3R-SS-M1

Electrical Metering Cabinet (CT Cabinet), Natural Stainless Steel, 1.2kV, Single Phase, Dry Type, 400:5 CT Ratio, Pad Mount, NEMA 3R

Product ID: 341421

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



Image: MPD-EMC-R7-1P-SP-1.2KV-SP-400.5CT-N3R-SS-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-R7-1P-SP-1.2KV-SP-400.5CT-N3R-SS-M1 Electrical Metering Cabinet (CT Cabinet), Natural Stainless Steel

Made in the USA

Unit Type: Electrical Metering Cabinet (EMC), CT Cabinet, Dry Type

Configuration: Single Phase
Rated Frequency: 60Hz
Rated Voltage: 1.2kV

CT Specifications

Quantity: (2)
Current Ratio: 400:5
CT Design Form: Wound

PT Specifications (Provisions Only)
Primary Voltage: 240V AC, 1-Phase
Primary Voltage Class: 1.2kV
Secondary Voltage: As Required
Secondary Voltage Class: 1.2kV
Voltage Ratio: As Required

Features of Every Assembly
Meter Socket Included, Form 9S
Ground Pads Included, CT/PT Sides
Lifting Provisions Included
Phase-to-Ground Compartment Barriers, Red Reinforced Polyester

Construction
Insulating Material: Air, Dry Type
Winding Material: Copper
Enclosure Material: Stainless Steel, Natural/Mill Finish
Hardware Materials: Stainless Steel
Nameplate Materials: Corrosion-Resistant Stainless Steel w/ Stainless Steel Screws or Rivets
Enclosure Class: NEMA 3R Weatherproof
Service Condition: Outdoor

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

Dimensions & Shipping
Overall Dimensions: 18 in W × 18 in D × 41 in H
Approximate Weight: 661.4 lbs (estimated)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped on Pallet or Skid
Crated Shipment Available Upon Request

Special Features
Natural Stainless Steel Enclosure Construction, Pad-Mount, Weatherproof CT/Meter Cabinet

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

Customer Compliance
Final arrangements, sizes, ratings, settings, configuration, and installation details will be finalized during detailed engineering review and customer approval prior to release for manufacture.

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.

Made in the USA

The Larson Electronics MPD-EMC-R7-1P-SP-1.2KV-SP-400.5CT-N3R-SS-M1 Electrical Metering Cabinet is designed for power utility applications in outdoor locations. This 1.2kV CT cabinet features dry-type construction with a natural stainless steel enclosure, making it well suited for extended outdoor service in corrosive or coastal environments. The cabinet is compatible with pad-mount installations and provides reliable current transformer metering with provisions for potential transformer installation.

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

The **MPD-EMC-R7-1P-SP-1.2KV-SP-400.5CT-N3R-SS-M1** is rated 1.2kV at 60Hz for single-phase metering applications. The system utilizes copper windings for reliable thermal and electrical conductivity in a dry-type, air-insulated design.

Current Transformer (CT) Package:
Two current transformers are provided, wound design, rated 1.2kV with a 400:5 current ratio.

Potential Transformer (PT) Provisions:
Provisions are included for potential transformer installation, sized for 240V AC single-phase primary voltage at 1.2kV primary voltage class, with secondary voltage and ratio as required by the metering application.

Primary Connections:
The cabinet is equipped with NEMA 4-inch, 2-hole copper pad terminals for primary connections, with horizontal terminal conducting surfaces. Current transfer points are tinned or silver plated.

Secondary Connections:
Accessible terminal blocks are provided for secondary connections, protected by a weatherproof metal junction box located on the cabinet base housing with a large access door. Three 1.5-inch openings are provided for completing field connections.

Metering:
A Form 9S meter socket is included.

Construction:
The enclosure is fabricated from stainless steel with a natural, unpainted mill finish, providing enhanced corrosion resistance for outdoor and coastal service conditions. Hardware throughout is stainless steel, and the nameplate is corrosion-resistant stainless steel with stainless steel screws or rivets. Ground pads are included on the CT/PT sides, and phase-to-ground compartment barriers are constructed of red reinforced polyester. Lifting provisions are included for handling and installation.

Mount:
The cabinet is pad mounted.

Special Features:
Natural stainless steel enclosure construction, pad-mount weatherproof design, dry-type insulation.

Ratings & Approvals:
Complies with applicable ANSI/IEEE C57.13, C57.13.2, C57.13.5, and C57.13.6 standards. NEMA 3R rated for outdoor weatherproof service.

Customer Compliance:
The final arrangements, sizes, ratings, settings, configuration, and installation details of this equipment will be established in accordance with detailed engineering review, applicable project documentation, and customer approval prior to manufacture.

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.

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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