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MPD-MES-VCB-3P3W-11-15KV-600A-BE-FM-REL-CU-N3R-M1

Metal Enclosed Vacuum Circuit Breaker Switchgear, 600 Amp, 15 KV AC, 3-Pole 3-Wire, 1 IN 1 OUT, Floor Mount, Bottom Entry, Copper Bus, NEMA 3R

Product ID: 333039

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



Image: MPD-MES-VCB-3P3W-11-15KV-600A-BE-FM-REL-CU-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-MES-VCB-3P3W-11-15KV-1200A-BE-FM-MET-CU-N3R-SAR-M1 Mental Enclosed Switchgear

Unit Type: Metal Enclosed Switchgear, Vacuum Circuit Breaker Switchgear
Line-In Connections: Terminal Lugs, Accepts 750MCM-1/0
Line-In Orientation: Bottom Feed
Voltage Rating: 15 KV AC Class, 12.47kV/7.2kV, 3 Phase
BIL Rating: 95 KV
Frequency: 60 Hz
Current: Alternate 3 Phase Current
Protection Method: N/A
Protection Type: N/A
Protection Fuses: N/A
Bus Rating: 600 A
Continuous Current Rating: 600 A
Interrupting Fault Current Rating: 25 kA
Short Circuit Current Rating: 25 kA
Bus Type: Tinned Copper
Insulators: Cycloaliphatic epoxy

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switch Boards
NEMA 3R Rated for Indoor/Outdoor Use

Made in the USA

Bay #1 (Load & Source Ways)

(1) 15kV, 600A Vacuum Circuit Breaker, Draw-Out Type, Stored Energy Mechanism

(1) Two-Position Visible Load Break Disconnect Switch, 600A, Manual Operator
(3) 15kV, 600A IEEE 386 Bushings for Source Side Cable Terminations
(3) 15kV, 600A IEEE 386 Bushings for Load Side Cable Connections
(3) Protection CTs, 1200:5 MR C200 Current Transformers
(1) SEL-751 Microprocessor Protection Relay
(1) Control Power Transformer (CPT), 15kVA, 12470-120 VAC
Ground Pads: One 2-Hole Ground Pad in Source and Load Compartments with 600A Ground Bus
Control Cabinet: Integrated Control Compartment
Space Heaters: Optional with Thermostat
Metering Current & Potential Transformer (CT/PT): Protection CTs Included
Line-Out Connection: 600A IEEE 386 Bushings
Line-Out Orientation: Bottom Feed
Lifting Brackets: Included, Fitted on the Top of the Enclosure
Form Factor: Rectangular Pad-Mounted Metal Enclosure with Lockable Doors
Panel Configuration: 1 Incoming Feeder, 1 Outgoing Feeder
Accessories: Racking Tool and Draw-Out Rails, CPT Primary Fuses, 101 Switch for Breaker Open/Close, Relay Test Switches (ABB FT-1), 86 Lockout Relay, Electroswitch Series 24 with Lighted Nameplate
Mounting: Pad Mount/Floor Mount
Enclosure Material: Heavy Gauge Steel
Enclosure Finish: ANSI Standard Outdoor Finish
Enclosure Type: NEMA 3R
Dimensions: 91.93”H x 75.59”W x 53.94”D
Weight: 4620 lbs
Shipping Dimensions: -
Shipping Weight: -
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 one-line diagram.

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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E-mail: sales@larsonelectronics.com

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Made in the USA

The Larson Electronics MPD-MES-VCB-3P3W-11-15KV-600A-BE-FM-REL-CU-N3R-M1 Metal Enclosed Switchgear is designed for reliable, safe, and convenient medium voltage power distribution at industrial work sites. This switchgear features a 15kV class, 600 amp vacuum circuit breaker with microprocessor-based protection relay and an integral visible load break disconnect switch. Designed for floor or pad mounted installations, this bottom feed switchgear is protected by a NEMA 3R rated steel enclosure with a ventilated design for indoor and outdoor applications.

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

The MPD-MES-VCB-3P3W-11-15KV-600A-BE-FM-REL-CU-N3R-M1 medium voltage switchgear provides a safe and reliable way for operators in industrial settings to control and distribute electrical power. Compatible with 15 kV AC systems (12.47 kV nominal), this switchgear utilizes a draw-out vacuum circuit breaker with stored energy trip/close mechanism and SEL-751 microprocessor protection relay for overcurrent and ground fault protection. A two-position manual load break disconnect switch provides visible isolation of the circuit for maintenance and safety.

Operation: The switchgear features a front control compartment with protected breaker

controls and rear cable terminations accessible through lockable doors. Operators can open or close the vacuum circuit breaker using the control switch located on the front panel. The draw-out breaker design allows for safe maintenance and servicing. A dead-front design protects operators from energized components while allowing visual inspection of the equipment.

Enclosure Design: The switchgear is protected by a heavy-duty steel enclosure with ANSI green finish. A ventilated design promotes natural cooling and improved performance. The enclosure carries a NEMA 3R rating, providing protection against rain, moisture, and debris, making the equipment suitable for indoor or outdoor installations.

Certification: This disconnect switch is NRTL listed to UL 891 dead front switchboards and NRTL listed for service equipment.

Mount: Operators can mount the switchgear on pads or floors for permanent installations in substations, industrial facilities, or utility distribution systems.

Customization: The MPD-MES-VCB-3P3W-11-15KV-600A-BE-FM-REL-CU-N3R-M1 can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the disconnect switches portable and certified to NRTL UL 1640 for portable equipment

• Adding single pole camlock connectors for quick connections

• Adding heaters for cold environments

• Aiding alarm relays for trip notification down stream

• Adding powering meters

Applications: This switchgear is suitable for indoor/outdoor use and applications including, but not limited to, solar equipment, construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

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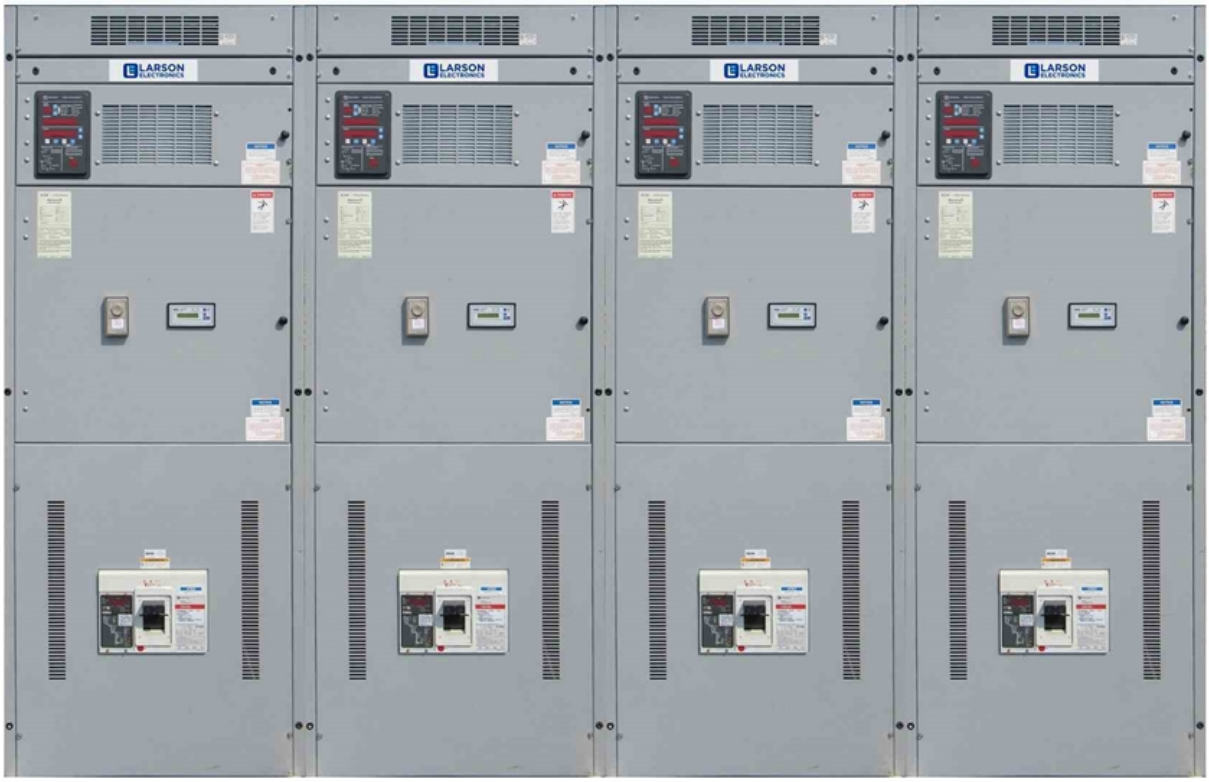


Image: MPD-MES-VCB-3P3W-11-15KV-600A-BE-FM-REL-CU-N3R-M1

Export Control Classification Number (ECCN): EAR99

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