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MPD-MES-VCB-3P3W-57-480V-4000A-BE-FM-MET-CU-N3R-SPD-M1

LV Metal Enclosed Switchgear- 480V 3-phase, 3-wire - 4000A, 5 IN 7 OUT, Floor Mount Bottom Entry, Copper Bus, NEMA 3R

Product ID: 316783

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



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-57-480V-4000A-BE-FM-MET-CU-N3R-SPD-M1 Metal Enclosed Switchgear

Unit Type: LV Metal Enclosed Switchgear
Line-In Connections: Terminal Lugs, Accepts 750MCM-1/0
Line-In Orientation: Bottom Feed
Nominal Voltage: 480V AC, 3 Phase
Maximum Voltage: 0.6KV AC, 3 Phase
Withstand Voltage: 10KV AC, 3 Phase
BIL: 30 KV
Current: Alternate 3 Phase Current
Protection Method: Vacuum Circuit Breakers
Protection Type: Manual Switching
Protection Fuses: N/A
Protection Ampacity: N/A
Busbar Rating: 4000A
Interrupting Rating: 65 kA
Disconnect Means: Manual via Handle
Incomers: (5) 800AF/800AT Circuit Breakers
Outgoings: (3) 800AF/600AT Circuit Breakers, (1) 800AF/800AT Circuit Breaker, (1) 800AF/560AT Circuit Breaker, (1) 1200AF/1200AT Circuit Breaker, and (1) 4000AF/2500AT Circuit Breaker
Surge Protection Device: Included, Supplied from 20A Circuit Breaker
Metering Current & Potential Transformer (CT/PT): Included Mount and Termination CT/PT
Line-Out Connection: Terminal Lugs, Accepts 750MCM-1/0
Line-Out Orientation: Bottom Feed

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

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Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door
Panel Configuration: 5 x Incoming panel, 7 x Outgoing panel
Housing Type: Compartmental Air-Filled Cabinet, (1) Front Left Hinged Door w/ Pad Lockable Handle and (1) Rear Right Hinged Door w/ Pad Lockable Handle, Fuse Door and Switch handle are Kirk Key Interlocked
Enclosure Material: Coated Steel
Enclosure Finish: Grey
Enclosure Type: NEMA 3R Ventilated, internal thermostatically controlled 250W, 120VAC heaters to prevent condensation in the enclosure, Automation control includes a 120VAC to 24VDC power supply capable of powering the entire control. A battery charger is provided and utilize 120VAC from the internal CPTs
Total Dimensions: 94.5"W x 39.4"D x 86.6"H
Weight: 2890 lbs
Shipping Dimensions: -
Shipping Weight: -

Special Orders - Special Requirements

Contact us for special requirements

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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.

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

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The Larson Electronics MPD-MES-VCB-3P3W-57-480V-4000A-BE-FM-MET-CU-N3R-SPD-M1 Metal Enclosed Switchgear is designed for reliable, safe and convenient power distribution at industrial work sites. This switchgear includes one vacuum circuit breaker with a 4000-amp rating. Designed for floor mounting installations. This bottom feed switchgear is protected by a NEMA 3R rated, steel enclosure with a ventilated design.

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

The MPD-MES-VCB-3P3W-57-480V-4000A-BE-FM-MET-CU-N3R-SPD-M1 service entrance disconnect switch provides a safe and reliable way for operators in industrial settings to tap into and utilize power sources independently of the work area. Compatible with 0.6 KV AC, the switchgear features a manual operating handle. This bottom feed disconnect carries a 65 kA at 480 V AC interrupt rating. The switchgear comes with and accepts a 4000-amp vacuum circuit breaker .

Operation: The switchgear features front control panel and rear termination equipped with a locking door. The door provides access to a permanently attached operating handle, which is used for manually disconnecting or connecting power and busbars (at rear). A dead front cover protects operators from the vacuum breakers for safety.

Time Delay vs. Fast Acting Fuses Two of the most common types of fuses found in power distribution equipment are time delay and fast acting fuses.

- **Time Delay:**
- **Fast Acting:**

Enclosure Design: The disconnect switch is protected by a steel enclosure with ANSI grey finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 3R rated for protection against water, moisture and debris. This rating allows the switchgear to be used in indoor and outdoor areas.

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

Mount: Operators can mount the service entrance disconnect on floors and flat surfaces.

Customization: The MPD-MES-VCB-3P3W-57-480V-4000A-BE-FM-MET-CU-N3R-SPD-M1 can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the fused disconnect 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 and 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)

Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**