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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MPD-MES-VCB-3P4W-11-480Y.277-2000A-BE-FM-MET-AL-N1-SAR-M1

Metal Enclosed Switchgear, 2000 Amp, 480Y/277 V AC, 3-Pole 4-Wire, 1 IN 1 OUT, Floor Mount Bottom Entry, Aluminum Bus, NEMA 1

Product ID: 315989



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-3P4W-11-480Y.277-2000A-BE-FM-MET-AL-N1-SAR-M1 Metal Enclosed Switchgear - Non-Fused Disconnect

Unit Type: Metal Enclosed Switchgear - Vacuum Disconnect Switch
Line-In Connections: Terminal Lugs, Accepts 750MCM-1/0
Line-In Orientation: Front Feed
Configuration: Live Front
Nominal Voltage: 48Y/277 V AC, 3 Phase, 4 Wire
Maximum Voltage Rating: 0.6 KV AC, 3 Phase, 4 Wire
Voltage BIL: 10 KV
Current: Alternate 3 Phase Current
Protection Method: N/A
Fuse Max. Rating: N/A
Fuse Holder Rating: N/A
Spare Fuses: N/A
Main Bus Continuous Current Rating: 2000 A
Switch Load-Interrupting Current Rating: 2000 A
Switch Short Circuit Rating: 65 kA (1 Sec.)
Main Bus Short Circuit Rating: 65 kA
Busbar Material: Tin Plated Aluminum, Sized on Basis of 65^{o}C Max. Temperature Rise
Outgoings: (1) Circuit Breaker and Provisions additional five Circuit Breakers
Disconnect Means: Manual via Handle
Metering Current & Potential Transformer (CT/PT): Included Mount and Termination CT/PT

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switch Boards
NEMA 1 Rated for Indoor Use
Service Rated
Made in the USA

Line-Out Connection: Terminal Lugs, Accepts 750MCM-1/0

Line-Out Orientation: Front Feed

Surge Arrestors: Included, (1) Per Each Phase

Surge Arrestor Voltage Rating: 1 kV

Surge Arrestor MCOV Rating: 1 kV

Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door, 1 incoming panel, 1 outgoing panel

Panel Configuration: -

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: #12GA Sheet Steel

Enclosure Finish: ANSI 61 Grey

Enclosure Type: NEMA 1 Ventilated, internal thermostatically controlled 250W, 120VAC heaters to prevent condensation in the enclosure

Mounting: Pad Mounted

Dimensions: 110"-W x 28"-L x 90"-H

Weight: 1800 lbs

Shipping Dimensions: TBD

Shipping Weight: TBD

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
Intl: 1-903-270-1187
Fax: 1-903-498-3364
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-3P4W-11-480Y.277-2000A-BE-FM-MET-AL-N1-SAR-M1 Metal Enclosed Switchgear is designed for reliable, safe and convenient power distribution at industrial work sites. This switchgear includes one disconnect switch and 2000-amp. Designed for floor mounting installations. This bottom feed switchgear is protected by a NEMA 1 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-3P4W-11-480Y.277-2000A-BE-FM-MET-AL-N1-SAR-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 600V AC, the switchgear features a manual operating handle. This bottom feed disconnect carries a 65 kA at 480V AC interrupt rating. The switchgear comes with and accepts three 2000-amp switch.

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 bur bars (at rear). A dead front cover protects operators from the switches for safety. Operators can inspect the switches through the dead front via a vented cover. Removing the dead front allows access to the switches.

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 an 11GA sheet steel enclosure with ANSI green finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 1 rated for protection against water, moisture and debris. This rating allows the fused disconnect 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-3P4W-11-480Y.277-2000A-BE-FM-MET-AL-N1-SAR-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 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.


CAUTION
WARNING
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HIGH VOLTAGE


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Frequently Asked Questions (FAQ)