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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

## MPD-MES-VFI-3P4W-11-15KV-600A-BE-FM-MET-CU-N1-SS-M1

# Metal Enclosed Switchgear, 600 Amp, 15 KV AC, 3-Pole 4-Wire, 1 IN 1 OUT, Floor/Pad Mount, Bottom Entry, Copper Bus, 304L Stainless Steel, E200, NEMA 1, Bell Green

**Product ID: 324430**



Image: MPD-MES-VFI-3P4W-11-15KV-600A-BE-FM-MET-CU-N1-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-MES-VFI-3P4W-11-15KV-600A-BE-FM-MET-CU-N1-SS-M1 Metal Enclosed Switchgear**

**Unit Type:** Metal Enclosed Switchgear, Vacuum Fault Interrupter Switchgear
**Line-In:** N/A (customer provided)
**Line-In Cord Cap:** N/A (customer provided)
**Line-In Connections:** N/A
**Line-In Orientation:** N/A
**Rated Voltage:** 15 KV
**Rated BIL Voltage:** 95 KV
**Continuous And Load Interrupting Current:** 600 A
**Short-Time And short-Circuit Interrupting Current:** 16 KAIC
**Phase (PH):** 3-Phase
**Frequency (Hz):** 60 Hz (60-Cycles)
**Wire:** 4-wire
**Quantity Of Ways:** 1-Way
**Protection Method:** Vacuum Fault Interrupter Switches

**Made in the USA**

**Features Of Every Vertical Section**

Structural design and anchorage adequate to resist loads imposed by 125 mph wind.
Space heater operating at one-half or less of rated voltage, sized to prevent condensation, controlled by thermostats to maintain temperature of each section above expected dew point.
Louvers equipped with insect and rodent screens and filters, and arranged to permit air circulation while excluding rodents and exterior dust.
Weatherproof ground-fault circuit interrupter duplex receptacles
Power for heaters and receptacles within main enclosure must be provided by control power transformer
Power for heaters, lights, and receptacles within the PT/CT cubicle must be provided by a control power transformer (utilizing the Utility Company's PT is not permitted)
Single control power transformer to be rated for 5 kVA with 120V output
Skid Mounted: Mount each shipping group on an integral base frame as a complete weatherproof unit

**Insulation Fluid:** E200
**Number Of Sides:** Double Sided

**Selection A**
**Features:** Source - Vacuum Switch (RVAC)
**Handle:** (1) Three Phase Handle
**Bushings:** 600 Amp Aluminum Deadbreak Bushings w/ Bushing Accessory
**Visible Break:** 2-Position (open/closed)

**Selection B**
**Features:** Tap - VFI
**Handle:** (1) Three Phase Handle
**Bushings:** 600 Amp Aluminum Deadbreak Bushings w/ Bushing Accessory
**Visible Break:** 2-Position (open/closed)
**CT Ratio:** 1000:1

**Fault Indicator Provisions:** Standard Provisions (1.06" diameter hole with removable SS backing plate)
**Grounding Provisions :** 1/2"-13 UNC Stainless Steel Nuts (Standard)
**Drain Plug:** Included. Standard
**Motor:** Included, Manual, 120 VAC, Internally Supplied
**Potential Transformer (PT):** Included, (1) 13800:120, For motor operation power supply, mounted on B phase of the common bus
**Relay:** Included, (5) SEL-751, PHASE 2 (1 SEL configured to control motor on source and 1 VFI)
**Remote Trip:** Included
**Tank/Cabinet Material:** 304L Stainless Steel
**Enclosure Finish:** Munsell™ 7GY 3.29/1.5 Bell Green
**Enclosure Type:** NEMA 1 Ventilated, Weatherproof
**Mounting:** Pad Mounted
**Dimensions:** 42"L x 30"W x 80"H
**Weight:** 2,000 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.

**Ratings**
ANSI and IEEE Standards for Switchgear
NEMA 1 Indoor Use
Complies With IEEE C37.74
Complies With IEEE C37.60
Complies With IEEE C62.11
Complies With IEEE C2
Complies With IEEE C37.20.3
Complies With Utility Company's (PSEG) Primary Metering Specification Standard CS-8735
Complies With IEEE C57.12.28
Complies With IEEE 386
Complies With IEEE C37.2
Complies With IEEE 1815

**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

*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-VFI-3P4W-11-15KV-600A-BE-FM-MET-CU-N1-SS-M1 Metal Enclosed Switchgear is designed for reliable, safe and convenient power distribution at industrial work sites. Designed for floor mounting installations. This bottom feed switchgear is protected by a NEMA 1 rated, stainless 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-VFI-3P4W-11-15KV-600A-BE-FM-MET-CU-N1-SS-M1 switchgear 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 15 KV AC, the switchgear features a manual operating handle. This bottom feed switchgear carries a 16 kA at 15 KV AC interrupt rating.

**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 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

**Enclosure Design:** The switchgear is protected by a stainless steel enclosure with ANSI green finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 1 rated to be used in indoor areas.

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

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

**Customization:** The MPD-MES-VFI-3P4W-11-15KV-600A-BE-FM-MET-CU-N1-SS-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 downstream

• Adding power meters

**Applications:** This switchgear is suitable for indoor use.

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.

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

# Frequently Asked Questions (FAQ)

There are no Faqs