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**MPD-MES-FDS-3P3W-11-15KV-300A-BE-FM-MET-CU-N4-M1**

# Metal Enclosed Switchgear, 300 Amp, 15 KV AC, 3-Pole 3-Wire, 1IN 1OUT, Floor Mount Bottom Entry, Copper Bus, NEMA 4, 316 Stainless Steel

**Product ID: 314867**

**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-FDS-3P3W-11-15KV-300A-BE-FM-MET-CU-N4-M1 Mental Enclosed Switchgear - Fused Disconnect**

**Unit Type:** Metal Enclosed Switchgear - Fused Disconnect Switch
**Line-In Connections:** Terminal Lugs, Accommodate 6" HDPE with 3-1/C 1/0 with #2 Bar Ground
**Line-In Orientation:** Bottom Feed, Gasketed, Removable Plate
**Nominal Voltage:** 15 kV AC, 3 Phase, 60 Hz
**Maximum Voltage:** 15 kV AC, 3 Phase, 60 Hz
**BIL:** 150 KV
**Current: Alternate 3 Phase Current**
**Protection Method:** Fused, Class E Type Fuse
**Protection Type:** Time Delay Fuse
**Protection Fuses:** Included (50E Max.)
**Protection Ampacity: 50A**
**Mains Rating (Amps): 300A**
**Interrupting Rating (Fault Close): 40 kA**
**Interrupting Rating (Momentary): 40 kA**
**Switches Type:** Quick-make, Quick break Manual Operating Mechanism Utilizing Heavy Duty, Stored Energy Coil Springs
**Switches Contacts:** Separate Main and Spring Loaded Make and Break Arcing Contacts
**Switches Safety Barrier:** Grounded Metal Safety Barrier Which Shall Prevent Inadvertent Contact with any Live Part, Yet Allows for a Full View Inspection of the Switch Blade

**Ratings**

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switch Boards
NEMA 4 Rated for Indoor and Outdoor Use
Made in the USA

Position of all Three Phases

**Switches Viewing Window:** Included, A Gasketed Tempered Glass Viewing Window in the Switch Compartment Door to Allow Visual Inspection of the Condition and Position of the Switch Blades

**Switches Safety Interlock:** Included, Interlock Switch and Door

**Control Voltage:** 125 VDC

**Disconnect Means: Manual via Handle**

**Metering Current & Potential Transformer (CT/PT): Included Mount and Termination CT/PT**

**Line-Out Connection: Terminal Lugs, Accommodate 6" RMC with 3-1/C 1/0 with #2 Bar Ground**

**Line-Out Orientation: Bottom Feed, Gasketed, Removable Plate**

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

**Panel Configuration: 1 x Incoming panel, 1 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: 316 Stainless Steel**

**Enclosure Finish: Munsell Bell Green**
**Enclosure Type: NEMA 4 Ventilated**
**Dimensions: 40"-W x 66"-L x 102"-H**
**Weight: 800 lbs**
**Shipping Dimensions: 50"-W x 80"-L x 120"-H**
**Shipping Weight: 850 lbs**

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
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**Intl:** 1-903-270-1187
**Fax:** 1-903-498-3364
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*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-FDS-3P3W-11-15KV-300A-BE-FM-MET-CU-N4-M1 Metal Enclosed Switchgear is designed for reliable, safe and convenient power distribution at industrial work sites. This switchgear includes one disconnect switch and 50-amp Class E fuses. Designed for floor mounting installations. This bottom feed switchgear is protected by a NEMA 4 rated, 316 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-FDS-3P3W-11-15KV-300A-BE-FM-MET-CU-N4-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 15 KV AC, the switchgear features a manual operating handle. This bottom feed disconnect carries a 40 kA at 15 KV AC interrupt rating. The switchgear comes with and accepts three 50-amp Class E time delay fuses.

**Operation:** The switchgear features a 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 fuses for safety. Operators can inspect the fuses through the dead front via a vented cover. Removing the dead front allows access to the fuses.

**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 316 stainless steel enclosure with ANSI grey finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 4 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-FDS-3P3W-11-15KV-300A-BE-FM-MET-CU-N4-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/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)


CAUTION
HIGH VOLTAGE


CAUTION





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