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-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M8

Metal Enclosed Switchgear, 600 Amp, 15 KV AC, 3-Pole 3-Wire, 1IN 1OUT, Pad Mount Bottom Entry, Aluminum Bus, NEMA 3R, Fused Disconnect

Product ID: 335897

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



Image: MPD-MES-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M8

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-600A-BE-FM-MET-CU-N3R-M8 Mental Enclosed Switchgear - Fused Disconnect

Unit Type: Metal Enclosed Switchgear - Fused Disconnect Switch

Line-In Connections: Terminal Lugs, Accepts 750MCM-1/0
Line-In Orientation: Bottom Feed
Nominal Voltage (V): 13.8KV AC, 3 Phase
Maximum Voltage (V): 15KV AC, 3 Phase
Withstand Voltage (V): 36KV AC, 3 Phase
BIL (V): 95 KV
Current: Alternate 3 Phase Current
Protection Method: Fused, Class E Type Fuse
Protection Type: Time Delay Fuse
Protection Fuses: (3) Fuse Mountings, User Supplied (Up to 200E Typical, per application)
Protection Ampacity: 600A
Mains Rating (Amps): 600A
Short Circuit Rating (Symmetrical): 25 kA
Momentary Withstand Rating: 40 kA
Disconnect Means: Manually Operated Load Break Switch (Quick-Make / Quick-Break)
Metering Current & Potential Transformer (CT/PT): Provision for Utility Supplied CTs and

Ratings

PECO Approved Equipment (Compliant with PECO Blue Book Section 10), IEEE C37.20.3, ANSI Standards
Made in the USA

PTs per PECO Requirements (Dedicated Metering Compartment)

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

Line-Out Orientation: Bottom Feed

Form Factor: Rectangular, Pad-Mounted Outdoor Enclosure, Dead-Front Construction

Panel Configuration: 1 x Incoming panel, 1 x Outgoing panel

Housing Type: Compartmental Air-Filled Cabinet with Separate compartments for bus, switching, and cable sections, Front and rear access doors, Lockable doors with padlock provisions, Kirk Key Interlocks between switch and fuse compartment

Enclosure Material: #12GA Sheet Steel

Enclosure Finish: ANSI 61 Gray

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

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

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-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M8 Metal Enclosed Switchgear is designed for reliable, safe and convenient medium voltage power distribution for utility and industrial applications. This PECO-approved switchgear includes one manually operated load break switch and provisions for three 600-amp Class E fuses. Designed for pad-mounted outdoor 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-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M8 service entrance disconnect switch provides a safe and reliable method for operators to control and isolate medium voltage power systems. Compatible with 15KV AC systems, the switchgear features a manual quick-make, quick-break operating handle. This unit carries a 25 kA symmetrical short circuit rating with a 40 kA momentary withstand rating. The switchgear accepts three 600-amp Class E time delay fuses for primary protection and fault isolation.

Operation: The switchgear features a front-access control section and rear cable termination compartment, both equipped with lockable doors. The front door provides access to the externally operable handle for manual switching. A dead-front design enhances operator safety by preventing direct contact with energized components. Fuse access is interlocked via a Kirk Key system to prevent unsafe operation, ensuring the switch is in the open position before fuse access is permitted.

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: Time delay fuses are tripped once overcurrent heat builds up enough to melt the fuse element over a period of time. That period of time varies between different time delay fuses depending on the application. Time delay fuses decrease the chances of false tripping. During startup, many components require a large current for a very short amount of time. In other words, a time delay fuse disconnects the circuit only when the overcurrent persists in the line.

Fast Acting: Fast acting fuses are tripped immediately upon sensing an overcurrent or short circuit in the line. They are ideal for electronics, components, or systems that cannot withstand sudden changes in current. A fast acting fuse will not withstand a temporary overload such as one that occurs during the startup process.

Enclosure Design: The disconnect switch is protected by an 11GA sheet 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 fused disconnect to be used in indoor and outdoor areas.

Metering & Utility Compliance: This unit includes a dedicated compartment with provisions for utility-supplied current transformers (CTs) and potential transformers (PTs) in compliance with PECO Blue Book Section 10 requirements. This allows seamless integration with utility revenue metering systems.

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

Mount: Operators can install this switchgear in pad-mounted or floor-mounted configurations, depending on site requirements.

Customization: The MPD-MES-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M8 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 medium voltage switchgear is suitable for utility distribution systems, commercial and industrial facilities, substations, renewable energy systems, construction sites, plant maintenance, and infrastructure projects requiring safe and reliable 15KV power distribution.

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

Frequently Asked Questions (FAQ)

There are no Faqs

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



Image: MPD-MES-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M8

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



Image: MPD-MES-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M8

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



Image: MPD-MES-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M8

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



Image: MPD-MES-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M8

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1** (https://www.larsonelectronics.com/images/product/HigResPic1/335897.JPG)
- **HigResPic2** (https://www.larsonelectronics.com/images/product/HigResPic2/335897.JPG)
- **HigResPic3** (https://www.larsonelectronics.com/images/product/HigResPic3/335897.JPG)
- **HigResPic4** (https://www.larsonelectronics.com/images/product/HigResPic4/335897.JPG)
- **HigResPic5** (https://www.larsonelectronics.com/images/product/HigResPic5/335897.JPG)
- **HigResPic6** (https://www.larsonelectronics.com/images/product/HigResPic6/335897.JPG)
- **HigResPic7** (https://www.larsonelectronics.com/images/product/HigResPic7/335897.JPG)
- **HigResPic8** (https://www.larsonelectronics.com/images/product/HigResPic8/335897.JPG)
- **HigResPic9** (https://www.larsonelectronics.com/images/product/HigResPic9/335897.JPG)
- **ISO 9001 Certification** (http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate** (https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map** (https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)