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MPD-MES-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M7

Metal Enclosed Switchgear, Fused Disconnect, 600 Amp, 15 KV AC, 3-Pole 3-Wire, 1IN 1OUT, Floor Mount Bottom Entry, Copper Bus, Metering Provision (CT/PT), NEMA 3R

Product ID: 335500



Image: MPD-MES-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M7

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-M7 Mental Enclosed Switchgear - Fused Disconnect

Unit Type: Metal Enclosed Switchgear - Fused Disconnect Switch

Line-In Connections: Terminal Lugs, Accepts 500–750 kcmil

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) Single-Phase Fuses, Utility Coordinated (E-Rated)

Protection Ampacity: 600A

Mains Rating (Amps): 600A

Interrupting Rating (Fault Close): 25 kA

Interrupting Rating (Momentary): 25 kA

Disconnect Means: Manual Load Break Switch, Gang Operated (Quick-Make/Quick-Break)

Metering Current & Potential Transformer (CT/PT): Provision for Utility Supplied CT/PT (PECO Compliant Metering Compartment)

Line-Out Connection: Terminal Lugs, Terminal Lugs, Accepts 500–750 kcmil

Ratings

NRTL Listed Service Equipment
NRTL Listed to ANSI/IEEE C37.20.3 Metal-Enclosed Switchgear
UseANSI C37 Load Break Switch Standards
PECO Blue Book Section 10 – Acceptable Equipment
NEMA 3R Rated for Indoor and Outdoor
Made in the USA

Line-Out Orientation: Bottom Feed

Form Factor: Rectangular Metal-Enclosed Cabinet, Dead-Front Construction

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

Housing Type:

Compartmentalized Air-Insulated Cabinet with Separate:
- Line Compartment
- Switch Compartment
- Fuse Compartment
- Utility Metering Compartment (Sealable)

Front Hinged Doors with Padlock Provisions
Fuse and Switch Access Interlocked for Safety

Enclosure Material: #12GA Sheet Steel

Enclosure Finish: ANSI 61 Gray Powder Coat
Enclosure Type: NEMA 3R Weatherproof, Outdoor Rated
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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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-M7 Metal Enclosed Switchgear is designed for reliable, safe and convenient medium voltage power distribution at industrial and utility service entrance applications. This switchgear includes one manually operated load break disconnect switch and three 600-amp E-rated current limiting fuses. Designed for floor or pad-mounted installations, this bottom feed switchgear is protected by a NEMA 3R rated, steel enclosure suitable for outdoor use.

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-M7 service entrance switchgear provides a safe and reliable means for operators to isolate and distribute medium voltage power independently of the work area. Compatible with 15kV AC systems, the switchgear features a manually operated, gang-operated load break switch with quick-make/quick-break action. This unit carries a 25 kA symmetrical short circuit rating and is equipped with three 600-amp Class E current limiting fuses for protection.

Operation: The switchgear features a front-access control section and rear cable termination compartment, both equipped with lockable doors. A permanently mounted operating handle allows manual opening and closing of the load break switch. Mechanical interlocks prevent access to energized components. A dead-front design enhances operator safety by isolating live parts. Fuse inspection and replacement can be performed through the front compartment with proper isolation procedures.

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 switchgear is housed in a heavy-duty steel enclosure with ANSI 61 gray powder-coated finish. A ventilated design promotes heat dissipation and reliable performance. The enclosure is NEMA 3R rated, providing protection against rain, sleet, and external contaminants, making it suitable for both indoor and outdoor installations.

Utility Metering: This unit includes a dedicated, sealable compartment with provisions for utility-supplied current transformers (CTs) and potential transformers (PTs), ensuring compliance with PECO Blue Book Section 10 for revenue metering applications.

Certification: This switchgear is designed and manufactured in accordance with ANSI/IEEE C37 standards for metal-enclosed switchgear and complies with applicable NEMA requirements. Suitable for utility-approved service entrance equipment.

Mount: Operators can install this unit on floors or concrete pads for permanent installations. Bottom cable entry simplifies installation and cable management.

Customization: The MPD-MES-FDS-3P3W-11-15KV-600A-BE-FM-MET-CU-N3R-M7 can be customized to meet specific operational and utility requirements. Examples include:

- Addition of surge arresters for overvoltage protection
- Integration of SCADA or remote monitoring systems
- Kirk key interlocking systems for enhanced safety
- Space heaters for condensation control
- Alternate cable entry configurations (top or side entry)
- Higher interrupting ratings or alternate fuse sizes

Applications: This medium voltage switchgear is suitable for indoor and outdoor use in applications including, but not limited to, utility service entrances, industrial plants, commercial facilities, renewable energy systems, construction sites, and infrastructure projects requiring PECO-compliant equipment.

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)

There are no Faqs