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MPD-MES-FDS-3P3W-12-15KV-200A-BE-FM-MET-CU-N3R-SS-M1

Metal Enclosed Padmounted MV Switchgear, 200 Amp, 15 kV AC, 3-Pole 3-Wire, 1 IN 2 OUT (Switched & Fused), Pad Mount, Bottom Entry, Copper Bus, Stainless Steel, NEMA 3R

Product ID: 329115



Image: MPD-MES-FDS-3P3W-12-15KV-200A-BE-FM-MET-CU-N3R-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-FDS-3P3W-12-15KV-200A-BE-FM-MET-CU-N3R-SS-M1 Metal Enclosed Switchgear - Fused Disconnect

Unit Type: Metal Enclosed Padmounted MV Switchgear – Switched & Fused
Line-In Connections: Terminal Lugs, Accepts 750MCM-1/0
Line-In Orientation: Bottom Feed
Nominal Operating Voltage: 13.8 kV AC, 3-Phase
Maximum Voltage: 15 KV AC, 3 Phase
Voltage BIL: 95 KV
Current: Alternate 3 Phase Current
Incomer: (1) Under-Oil Vacuum Interrupter Switch, 200A
Outgoing: (2) Under-Oil Drawout Current-Limiting Fuse Cartridges
Protection Method: Switched & Fused using Class E Time-Delay Fuses, (2) x (3) Fuses
Protection Ampacity: 125E
Mains Rating (Amps): 200A
Interrupting Rating (Fault Close): 12.5 kA
Interrupting Rating (Momentary): 12.5 kA
Disconnect Means: Manual via Handle
Metering Current & Potential Transformer (CT/PT): Included Mount and Termination CT/PT
Line-Out Connection: 200A Bushing Wells with Loadbreak Inserts
Line-Out Orientation: Bottom Feed
Form Factor: Rectangular, Padmounted, Compartmental, 3-Way Cabinet

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switch Boards
NEMA 3R Rated for Indoor and Outdoor Use
Meets ANSI C57.12.28 for Tamperproofness & Finish
Made in the USA

Panel Configuration: (1) Non-Fused Incoming Switch Panel, (2) Fused Outgoing Panels (Under-Oil Drawout Fuses)

Bushing Configuration: Fully Dead-Front, 200A Bushing Wells on All Sides

Insulation: Oil-Insulated MV Switch & Fuse Assembly

Mounting: Pad Mounted

Housing Type: Stainless Steel, Fully Compartmental, Dead-Front Cabinet, (1) Front Left Hinged Door w/ Padlockable Handle, (1) Rear Right Hinged Door w/ Padlockable Handle, Switch and Fuse Doors Interlocked via Kirk Key System

Enclosure Material: Stainless Steel (All Sides & Hardware)

Enclosure Finish: Powder-Coated, Munsell Green (7GY 3.29/1.5)

Warning & Danger Decals: Included

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: 54.75"-W x 62.625"-L x 50"-H

Weight: TBD

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

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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-12-15KV-200A-BE-FM-MET-CU-N3R-SS-M1 Metal Enclosed Padmounted MV Switchgear is designed for reliable, safe, and efficient medium-voltage power distribution at industrial and commercial sites. This 3-way switchgear assembly features one 200-amp under-oil vacuum interrupter switch and two fused outgoing ways utilizing Class E time-delay, under-oil drawout current-limiting fuses. Designed for pad-mount installations, this bottom-feed switchgear is housed in a stainless steel, dead-front, tamper-resistant NEMA 3R enclosure with powder-coated Munsell Green finish.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

The MPD-MES-FDS-3P3W-12-15KV-200A-BE-FM-MET-CU-N3R-SS-M1 medium-voltage switchgear provides operators with a safe and dependable method of switching and fusing 15 kV feeders. This unit is compatible with 13.8 kV AC systems (15 kV max) and includes a manual operating handle for actuating the under-oil switch. The switchgear carries a 12.5 kA interrupt rating at 12.47 kV AC. Two outgoing tap positions are protected by Class E time-delay fuses, mounted in drawout, under-oil fuse compartments for increased arc-flash safety and ease of maintenance.

Operation: The switchgear features front control access and rear termination compartments secured with padlockable stainless steel penta-head hardware. Operators access the incoming switch via an interlocked door with a permanently attached manual handle. A dead-front barrier provides protection from energized components, while inspection windows and indicators allow visual verification of fuse and switch status. Cable compartments are 18" deep and utilize 200-amp bushing wells with loadbreak inserts for safe elbow-type connections.

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: This switchgear is housed in a stainless steel, compartmental, oil-insulated cabinet with ANSI tamper-proof construction per ANSI C57.12.28. The enclosure includes:

- Oil level gauge
- Oil temperature gauge
- Fill plug and drain valve
- Self-actuating pressure relief device
- ½" copper ground bar in each compartment
- Powder-coated Munsell Green (7GY 3.29/1.5) finish

The unit is pad-mounted using integrated hold-down cleats, and includes dedicated cable compartments for incoming and outgoing feeders, each using 200A dead-front bushing wells.

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-FDS-3P3W-12-15KV-200A-BE-FM-MET-CU-N3R-SS-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 medium-voltage switchgear is ideal for industrial power systems, utilities, substations, solar fields, refineries, water treatment facilities, manufacturing plants, pump stations, and any location requiring safe and reliable switching and fused protection of 15 kV feeders.

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