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MPD-MES-FDS-3P3W-11-15KV-200A-BE-FM-MET-CU-N1-M1

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

Product ID: 332342



Image: MPD-MES-FDS-3P3W-11-15KV-200A-BE-FM-MET-CU-N1-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-11-15KV-200A-BE-FM-MET-CU-N1-M1 Metal Enclosed Switchgear - Fused Disconnect

Unit Type: Metal Enclosed Padmounted MV Switchgear – Switched & Fused
Line-In Connections: Copper Terminal Lugs, Accepts 750MCM-1/0
Line-In Orientation: Bottom Feed
Nominal Operating Voltage: 13.8 kV AC, 3-Phase, 60 Hz
Maximum Voltage: 15 KV AC, 3 Phase
Voltage BIL: 95 KV
Incomer: (1) MV Load Break Switch, 200A
Outgoing: (1) Current Limiting Fuse Set, 15 kV, 150A, 25 kA Interrupting Current Rating
Protection Method: Switched & Fused using Current Limiting Fuse
Protection Ampacity: 150A
Mains Rating: 200A
Interrupting Rating (Fault Close): 25 kA
Interrupting Rating (Momentary): 25 kA
Disconnect Means: Manual via Disconnect Handle from Outside Door
Metering Current & Potential Transformer (CT/PT): Included Mount and Termination CT/PT
Power Quality Meter (PQM): Included, w/ (3) Analogue Outputs for V, A, VA (Including Regenerating Power)
Space Heater: Included, w/ Thermostat, w/ Indicating Light
Voltage Transformer: Included, 13800/120V
Control Power Transformer: Included, 13800/120V
Kirk Key Interlock: Included
Line-Out Connection: Copper Terminal Lugs, Accepts 750MCM-1/0
Line-Out Orientation: Bottom Feed

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switchboards
NEMA 1 Rated for Indoor Use
Meets ANSI C57.12.28 for Tamperproofness & Finish
Made in the USA

Accessibility: Front and Rear
Form Factor: Rectangular, Padmounted, Compartmental Cabinet
Panel Configuration: (1) Non-Fused Incoming Switch Panel, (1) Fused Outgoing Panel
Mounting: Pad Mounted
Housing Type: Coated 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
Ambient Temperature Range: -15°C to +37°C
Relative Humidity: 100%, No Condensation
Dust: Many
Installation: Indoor
Enclosure Material: Coated Steel
Enclosure Finish: Powder-Coated, Munsell Green (7GY 3.29/1.5)
Warning & Danger Decals: Included
Enclosure Type: NEMA 1
Dimensions: 68"-W x 62"-L x 60"-H
Weight: 1,350 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.

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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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-200A-BE-FM-MET-CU-N1-M1 Metal Enclosed Padmounted MV Switchgear is designed for reliable, safe, and efficient medium-voltage power distribution at industrial and commercial sites. This switchgear is designed for pad-mount installations, this bottom-feed switchgear is housed in a coated steel, dead-front, tamper-resistant NEMA 1 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-11-15KV-200A-BE-FM-MET-CU-N1-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 25 kA interrupt rating at 13.8 kV AC. The outgoing is protected by current-limiting 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 coated steel, compartmental cabinet.

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-11-15KV-200A-BE-FM-MET-CU-N1-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

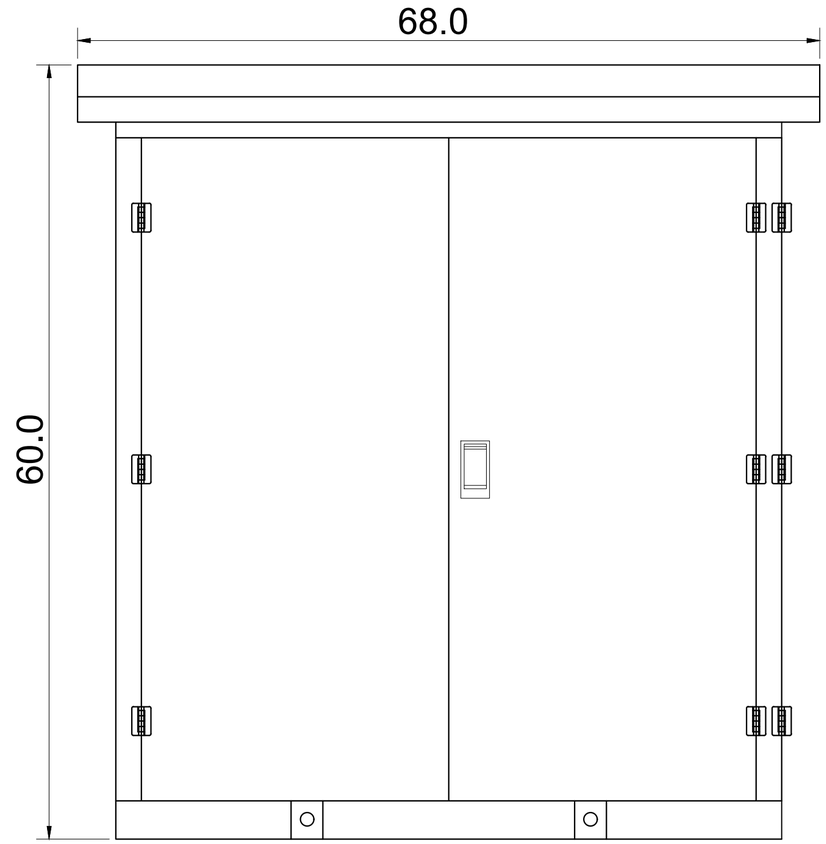
• Adding heaters for cold environments

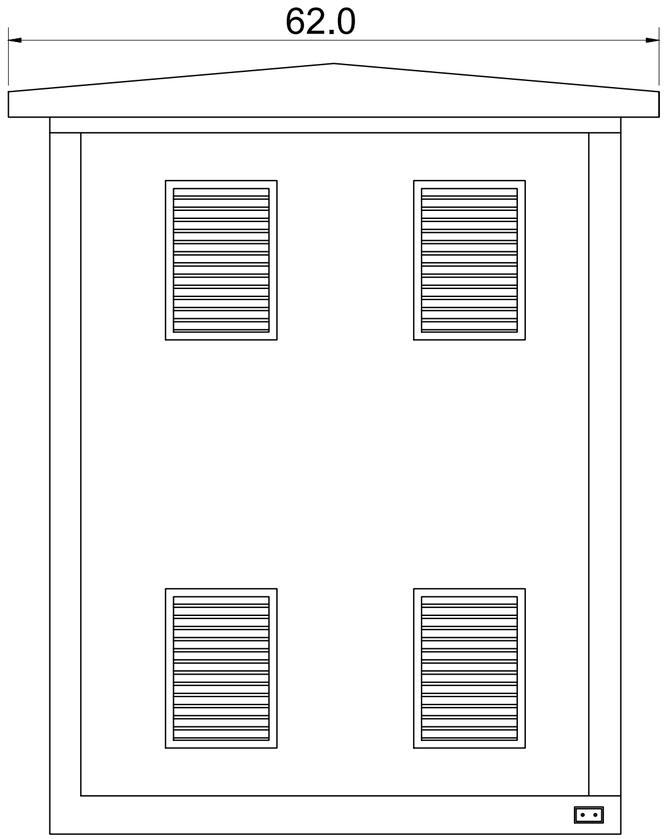
• Aiding alarm relays for trip notification downstream

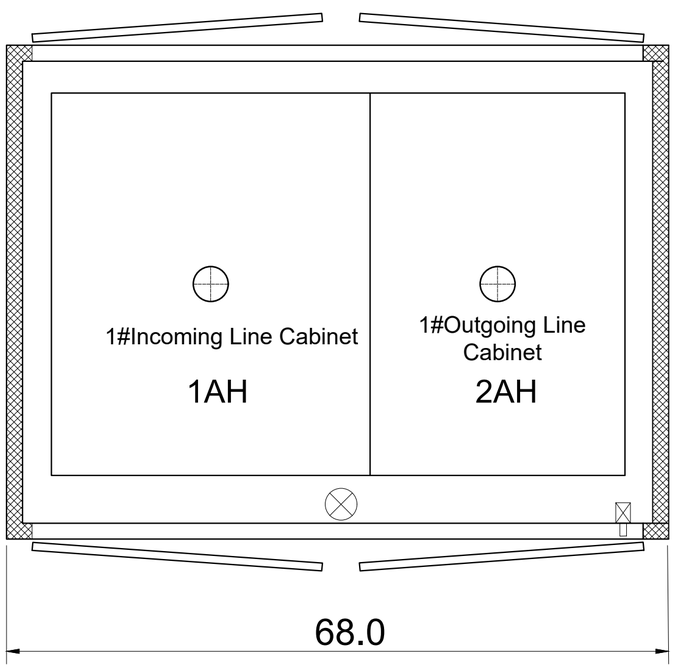
• Adding power meters

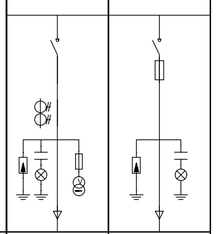
Applications: This medium-voltage switchgear is ideal for industrial power systems, utilities, substations, solar fields, refineries, water treatment facilities, manufacturing plants, pump stations, and any location requiring safe and reliable switching and fused protection of 15 kV feeders.

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.







Panel No.	1AH	2AH
Main Busbar Position / Single Line Diagram		
Panel Model		
Panel Rated Current	200A	200A
Dimensions (In)：L*D*H	68.0*62.0*60.0	
MC: Load Break Switch/ Disconnect Switch	Manual-Close Electrical-Open	1 / Manual-Close Electrical-Open / 1
MC: Vacuum Circuit Breaker		
MC: Current Transformer		1
MC: Potential Transformer		1
MC: Fuse		1
MC: Surge Arrester		1 / 1
MC: Voltage Indicator		1 / 1
MC: Grounding Switch		
MC: Microprocessor Protection Relay		
Circuit Number/Name	Incoming Line Cabinet	Outgoing Line Cabinet
Remarks	Line PT charges battery for 120V AC to 24V DC power supply, with emergency lighting installation	

Technical Parameters		
01	Enclosure Color	Munsell 7GY 3.29/1.5 Bell Green/Army Green
02	Internal Cabinet Color	RAL7035
03	Operating Altitude	≤2000m
04	Operating Environment	Indoor
05	Protection Rating	NEMA 1
06	Wiring Configuration	Bottom Entry & Bottom Exit(Cable)
07	Busbar Configuration	Three-phase, Copper Busbar
08	Rated voltage	15KV
09	Dimension units	Inch

LARSON MAGNETICS

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KEMP, TX 75143

TITLE: MPD-MES-FDS-3P3W-11-15KV-200A-BE-FM-MET-CU-N1-M1

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Frequently Asked Questions (FAQ)

There are no Faqs