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MPD-MES-FDS-3P3W-11-38KV-400A-BE-FM-MET-CU-N12-M1

Metal Enclosed Switchgear, 400 Amp, 38 KV AC, 3-Pole 3-Wire, 1IN 1OUT, Floor Mount Bottom Entry, Copper Bus, NEMA 12

Product ID: 314959

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-11-38KV-400A-BE-FM-MET-CU-N12-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
Nominal Voltage: 34.5 kV AC RMS, 3 Phase
Maximum Voltage: 38 kV AC RMS, 3 Phase
BIL: 150 KV
Min. Creepage Distance: 24 inches between phases and ground
Current: Alternate 3 Phase Current
Protection Method: Fused, Class E Type Fuse
Protection Type: Time Delay Fuse
Protection Fuses: (6) Fuses, 200E fuses with melt and clear curves
Protection Ampacity: 200A
Main Bus Rating: 400A
Momentary Short Circuit Current Rating (Symmetrical): 16.8 kA
Momentary Short Circuit Current Rating (Asymmetrical): 26.8 kA
Peak Short Circuit Current Rating: 47 kA
Surge Arrestors: Included, 36 kV Class, 29 kV MCOV, Approved by ISC
Disconnect Means: Manual via Handle
Automatic Grounding Capability: Load switch automatically grounds upon operation

Ratings/Features

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switch Boards
NEMA 12 Rated for Outdoor Use
Made in the USA

Labels

Stainless-steel placard with fusible switchgear information
Stainless-steel placard stating "ISC 34.5 kV Incoming"

Grounding Terminals: 2-hole 1/0 and 2-hole #2 grounding cables

Door Interlock: Prevents door from opening when the switch is closed

Lockout Capability: Included

Inspection Window: Included, Large enough to view all three switch positions while the door is closed

Status Indication: Red: Closed / Green: Open

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

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

Lifting Lugs: Included, for setting switchgear lineup on a concrete pad

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: #12GA Sheet Steel

Enclosure Finish: Munsell Bell Green
Enclosure Type: Non-Walk-In NEMA 12 Ventilated, 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-11-38KV-400A-BE-FM-MET-CU-N12-M1 Metal Enclosed Switchgear is designed for reliable, safe and convenient power distribution at industrial work sites. This switchgear includes one disconnect switch and 400-amp Class E fuses. Designed for floor mounting installations. This bottom feed switchgear is protected by a NEMA 12 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-11-38KV-400A-BE-FM-MET-CU-N12-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 38 KV AC, the switchgear features a manual operating handle. This bottom feed disconnect carries a 47 kA at 34.5 KV AC interrupt rating. The switchgear comes with and accepts three 400-amp Class E time delay fuses.

Operation: The switchgear features 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 an 11GA sheet steel enclosure with ANSI grey finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 12 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-11-38KV-400A-BE-FM-MET-CU-N12-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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