Larson Electronics LLC
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MPD-MES-SF6-3P3W-12-38KV-600A-BE-FM-MET-CU-N3R-M2

Metal Enclosed Switchgear, SF6 Gas Insulated Fault Interruption, 600 Amp, 38 KV AC, 3-Phase 3-Wire, 1 IN 2 OUT, Pad Mount, Bottom Entry, Copper Bus, NEMA 3R, Mild Steel

Product ID: 326142

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



Image: MPD-MES-SF6-3P3W-12-38KV-600A-BE-FM-MET-CU-N3R-M2

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-SF6-3P3W-12-38KV-600A-BE-FM-MET-CU-N3R-M2 Metal Enclosed Switchgear

Unit Type: Metal Enclosed Switchgear, SF6 Gas Insulated Fault Interruption
Line-In Connections: Dead Break Elbows
Line-In Orientation: Bottom Feed
Nominal Voltage: 38000V
Voltage Rating: 38 kV AC, 3 Phase, 3 Wire
BIL Rating: 150 kV
Power Frequency Withstand Voltage Rating: 60 kV
Frequency: 60 Hz
Current: Alternate 3 Phase Current
Protection Method: N/A
Protection Type: N/A
Protection Fuses: N/A
Bus Rating: 600 A
Continuous Current Rating: 600 A, Sym.
Momentary Withstand Current Rating: 52 kA, Asym
Short-time Withstand Current Rating: 20 kA, Sym (2 sec.)
Fault Closing Current Rating: 52 kA, Asym
Bus Type: Silver-plated copper

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switchboards
NEMA 3R Rated for Indoor/Outdoor Use
Made in the USA

Ways: 3-Ways

Bay #1 (Source Way)

(1) 38 kV, 600A, Three Pole Load Interrupter Switch

Bay #2 (Load Way)

(1) 38 kV, 200A, 3Ph SF6 Fault Interrupter Switch, Fused, Key Interlocked

Bay #3 (Load Way)

(1) 38 kV, 200A, 3Ph SF6 Fault Interrupter Switch, Fused, Key Interlocked

Switch Positions: 3-Position (ON-OFF-Ground)
Bushing Rating/Material: 600A rated bushings with removable silver-plated copper threaded studs
Parking Stands: Included, adjacent to each bushing to accommodate horizontal feedthroughs and standoff insulators
Potential Indication: Included, 3-Way Potential Indication, w/ Test Feature with LV Phasing 38 kV
Bushing Termination: 200A Bushing Wells in Lieu of 600A Bushing w/ Studs on 1 Load Interrupter or Bus Terminal Switch
Ground Pad: 2-Hole, 38 kV, One Per Way, Plus One for Switch Tan
Control Cabinet: Mounted on the side of the enclosure
Space Heaters: Included, w/ Thermostat
Metering Current & Potential Transformer (CT/PT): Included Mount and Termination CT/PT
Rated Filling Pressure SF6: 18.85 PSI
Min. Operational Pressure SF6: 18.13 PSI
Line-Out Connection: Dead Break Elbows
Line-Out Orientation: Bottom Feed
Lifting Brackets: Included, Fitted on the Top of the Enclosure
Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door
Panel Configuration: 1 x Incomer, 2 x Outgoings
Mounting: Pad Mount/Floor Mount
Enclosure Material: Mild Steel
Enclosure Finish: Olive Green
Enclosure Type: NEMA 3R, Ventilated
Dimensions: 72.83”H x 22.32”W x 38.6”D
Weight: 3175 lbs
Shipping Dimensions: -
Shipping Weight: -

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-SF6-3P3W-12-38KV-600A-BE-FM-MET-CU-N3R-M2 Metal Enclosed Switchgear is designed for reliable, safe and convenient power distribution at industrial work sites. This switchgear includes two switches and four vacuum fault interrupter switchgeares. Designed for pad mounting installations. This bottom feed switchgear is protected by a NEMA 3R rated, mild 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-SF6-3P3W-12-38KV-600A-BE-FM-MET-CU-N3R-M2 service entrance switchgear 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 20 kA at 38 KV AC interrupt rating.

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 busbars (at rear). A dead front cover protects operators from the switches for safety. Operators can inspect the switches through the dead front via a vented cover. Removing the dead front allows access to the switches

Enclosure Design: The switchgear is protected by a mild steel enclosure with ANSI green 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/outdoor areas.

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 disconnect on floors and flat surfaces.

Customization: The MPD-MES-SF6-3P3W-12-38KV-600A-BE-FM-MET-CU-N3R-M2 can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the switchgear 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 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)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

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