Larson Electronics LLC
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MPD-MES-SF6-3P3W-24-15KV-600A-BE-FM-MAR-CU-N3R-SS-M1

Metal Enclosed Pad-Mounted Switchgear, SF6 Gas Insulated Vacuum Fault Interruption, 600 Amp, 15KV AC, 3-Pole 3-Wire, 2 IN 4 OUT with Spare, Bottom Entry, Copper Bus, NEMA 3R, 316 Stainless Steel

Product ID: 337571

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



Image: MPD-MES-SF6-3P3W-24-15KV-600A-BE-FM-MAR-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-SF6-3P3W-24-15KV-600A-BE-FM-MAR-CU-N3R-SS-M1 Metal Enclosed Switchgear

Unit Type: Metal Enclosed Pad-Mounted Switchgear, SF6 Gas Insulated Vacuum Fault Interruption
Line-In Connections: Dead Break Elbows
Line-In Orientation: Bottom Feed
Nominal Voltage: 15.5kV
Voltage Rating: 15.5 KV AC, 3 Phase, 3 Wire
BIL Rating: 95 KV
Frequency: 60 Hz
Current: Alternate 3 Phase Current
Protection Method: SF6 Gas Insulated Vacuum Fault Interruption
Protection Type: Load Interrupter & Fault Interrupter Ways
Protection Fuses: Current Limiting MV Fuses on Fault Interrupter Ways
Bus Rating: 600 A
Continuous Current Rating: 600 A
Interrupting Fault Current Rating: 25 kA Symmetrical
Short Circuit Current Rating: 25 kA
Bus Type: Silver-plated copper

Ratings

NRTL Listed Service Equipment
Utility Grade Medium Voltage Distribution Switchgear
NEMA 3R Rated for Outdoor Use
IEEE C37, IEEE 386, ANSI C37.60, NEC
Suitable for Marine/Coastal Environment Installation
Made in the USA

Ways: 7-Ways

Bay #1 (Source Way)

(1) 15.5kV, 600A, Three Pole SF6 Load Interrupter Switch

Bay #2 (Source Way)

(1) 15.5kV, 600A, Three Pole SF6 Load Interrupter Switch

Bay #3 (Load Way)

(1) 15.5kV, 600A, SF6 Vacuum Fault Interrupter Switch, Fused

Bay #4 (Load Way)

(1) 15.5kV, 600A, SF6 Vacuum Fault Interrupter Switch, Fused

Bay #5 (Load Way)

(1) 15.5kV, 600A, SF6 Vacuum Fault Interrupter Switch, Fused

Bay #6 (Load Way)

(1) 15.5kV, 600A, SF6 Vacuum Fault Interrupter Switch, Fused

Bay #6 (Load Way)

(1) Spare Future Way Provision

Switch Positions: 3-Position (ON-OFF-Ground)
Bushing Rating/Material: 600A Rated Bushings with Silver-Plated Copper Studs
Parking Stands: Included Adjacent to Each Bushing
Potential Indication: Capacitive Test Point Indicators Included
Bushing Termination: 15kV 600A Non-Loadbreak Elbows with Capacitive Test Points
Ground Pad: 2-Hole Ground Pad
Control Cabinet: Side Mounted Stainless Steel Control Cabinet
Fault Indicators: Included for Each Way
Tri-Phase Controllers: Included for Each Fault Interrupter Way
Metering Current & Potential Transformer (CT/PT): Included – Relay, Protection & Metering CT/PT
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: 2 Incoming, 4 Outgoing, 1 Spare
Mounting: Pad Mount/Floor Mount
Enclosure Material: 316 Stainless Steel
Enclosure Finish: Utility Gray / Olive Green
Enclosure Type: NEMA 3R, Ventilated
Dimensions: 26-5/8”H x 95-7/16”W x 34-13/16”D
Weight: 1650 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-24-15KV-600A-BE-FM-MAR-CU-N3R-SS-M1 Metal Enclosed Pad-Mounted Switchgear is designed for reliable, safe and convenient medium voltage power distribution in utility, industrial and marine environments. This SF6 gas insulated switchgear features two incoming ways, four outgoing ways and one spare way with load interrupter and fault interrupter switching. Designed for pad mount and floor mount installations, this bottom entry switchgear is protected by a NEMA 3R rated 316 stainless steel enclosure for outdoor use in harsh environments.

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

The MPD-MES-SF6-3P3W-24-15KV-600A-BE-FM-MAR-CU-N3R-SS-M1 provides operators with a safe and reliable method for switching, sectionalizing and distributing 15kV power systems. Compatible with 15KV AC, 3-phase, 3-wire systems, the switchgear features 600A rated SF6 insulated load interrupter and fault interrupter ways. The system includes 15kV 600A non-loadbreak elbows with capacitive test points, fault indicators for each way and tri-phase controllers for monitoring and protection applications.

Operation: The switchgear features front operating access with dead-front construction for operator safety. Permanently mounted operating handles allow manual opening and closing of the interrupter ways. The dead-front design minimizes exposure to energized components during operation and maintenance. Bottom cable entry supports underground medium voltage feeder connections using deadbreak elbow terminations.

Enclosure Design: The switchgear is protected by a 316 stainless steel enclosure designed for outdoor service in coastal, marine and industrial environments. The enclosure is NEMA 3R rated for protection against rain, moisture and debris. Lockable access doors help prevent unauthorized access while maintaining safe operation and maintenance access.

Certification: This disconnect switch is NRTL listed to UL 891 dead front switchboards and NRTL listed for service equipment.

Mount: Operators can install the switchgear on pads or flat mounting surfaces for permanent outdoor installations. Bottom cable entry allows convenient underground feeder routing.

Customization: The MPD-MES-SF6-3P3W-24-15KV-600A-BE-FM-MAR-CU-N3R-SS-M1 can be customized to meet specific operating and power requirements. Example of customizations include:

• Adding SCADA communications and remote monitoring

• Adding metering and utility monitoring packages

• Adding space heaters and thermostatic controls

• Adding utility-specific relaying packages

• Modifying incoming and outgoing way configurations

Applications: This medium voltage switchgear is suitable for outdoor utility distribution systems, substations, marine facilities, shipyards, industrial plants, port facilities, infrastructure upgrades and heavy-duty commercial operations requiring reliable 15kV power distribution and sectionalizing.

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

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/337571.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/337571.JPG)
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