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MPD-GOAB-UPM-NFDS-3P-3W-15KV-600A-EF-BM-HM-NC-M1

Gang Operated Air Break Switch, 600 Amp, 15kV AC, 25kA, 3-Pole 3-Wire, Pole Mounted, Horizontal (Side-Break), Outdoor Rated (Open-Air), Load-Break, Utility Lockable, Service Entrance Rated

Product ID: 335231

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



Image: MPD-GOAB-UPM-NFDS-3P-3W-15KV-600A-EF-BM-HM-NC-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-GOAB-UPM-NFDS-3P-3W-15KV-600A-EF-BM-HM-NCGang Operated Air Break Switch, Non-Fused Disconnect

Unit Type: Pole-Mounted Non-Fused Gang Operated Air Break Switch
Line-In: Overhead Utility Line (customer provided)
Line-In Cord Cap: N/A (customer provided)
Line-In Connections: Clamp/Terminal Pad Connections
Line-In Orientation: Overhead
Nominal Voltage: 15 KV AC, 3 Phase
Rated Voltage: 15 KV AC, 3 Phase
BIL: 95 kV
Current: Alternate 3 Phase Current
No. of Poles: (3)
Wires: (3)
Protection Method: N/A
Protection Type: Non-Fused Air Break Switch (Load-Break Rated)
Protection Fuses:
Protection Ampacity: -
Surge Arrestor Compatibility: (3) Station Class / Distribution Class Surge Arresters Installed

Ratings

ANSI / IEEE C37 (typical for GOAB switches)
Service Entrance Rated
Made in the USA

Surge Arrestor Voltage Rating: 9 kV
Surge Arrestor MCOV Rating: 7.65 kVrms
Mains Rating (Amps): 600A
Interrupting Rating: Load-Break Rated with 25kA Momentary Withstand (Symmetrical)
Disconnect Means: Manual Ground-Level Handle Operation
Operation Type: Gang Operated (Simultaneous 3-phase switching)
Line-Out: Overhead Utility Line (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: Terminal Pad / Clamp Type
Line-Out Orientation: Overhead
Form Factor: Open Frame, Crossarm Mounted Assembly (Open-Air Gap Design)
Blade Type: V-Blade Air Break
Operation Mechanism: Fiberglass Operating Rod with Universal Joints
Insulators: Polymer / Fiberglass Insulators
Enclosure Type: N/A (open air design)
Access: Utility Lockable (Eversource / Utility Personnel Accessible)
Mounting: Factory Installed on Line Side
Bracket Type: Pole Bracket Assembly Included
Crossarm: 4" x 4" x 79" Steel Crossarm
Dimensions: 36"-W x 52"-H x 24"-D
Overall Width: ~79 inches
Phase Spacing: ~28"–29"
Height: Varies by pole installation
Weight:
Shipping Dimensions: 58"-W x 44"-L x 98"-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
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
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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-GOAB-UPM-NFDS-3P-3W-15KV-600A-EF-BM-HM-NC-M1 Gang Operated Air Break Switch is designed for reliable, safe and convenient switching and isolation of overhead distribution lines in utility and industrial power systems. This non-fused disconnect is designed for pole-mounted installations and features an open-air configuration utilizing a steel crossarm and polymer insulators for outdoor operation.

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

The MPD-GOAB-UPM-NFDS-3P-3W-15KV-600A-EF-BM-HM-NC-M1 GOAB switch provides a safe and dependable means of isolating circuits in medium-voltage applications. Compatible with 15 kV AC systems, this unit features a manual ground-level operating handle and a gang-operated mechanism that allows simultaneous operation of all three phases. This switch carries a 600-amp continuous current rating and is intended for load-break switching (not fault interruption).

Operation: The GOAB switch utilizes a manual ground-level handle connected to a fiberglass operating rod and torque tube assembly. This mechanism enables operators to safely open or

close all three phases simultaneously. The V-blade contacts provide visible isolation, allowing operators to clearly confirm the open or closed position of the switch during maintenance or operation. Adjustable handle positions and locking provisions enhance operational safety.

Design: This unit features a rugged open-frame design consisting of a galvanized steel crossarm, polymer insulators, and V-blade switching elements. The air break configuration allows for effective isolation in outdoor environments, while included ice shields and arrester mounting provisions enhance durability and versatility in harsh conditions.

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

Mount: Operators can mount this GOAB switch directly to utility poles using included mounting brackets. The system is designed for overhead line integration and field installation.

Customization: The MPD-GOAB-UPM-NFDS-3P-3W-15KV-600A-EF-BM-HM-NC-M1 can be customized to meet specific operating and power requirements. Example of customizations include:

• Higher ampacity configurations (900A or 1200A)

• Alternate insulator types (porcelain or polymer variants)

• Motor-operated mechanisms for remote switching

• Additional surge arrester integration

• Custom mounting configurations

Applications: This disconnect switch is suitable for outdoor utility and industrial applications including, but not limited to, electrical distribution systems, substations, renewable energy tie-ins, construction sites, plant maintenance, and infrastructure projects requiring visible isolation of medium-voltage lines.

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

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/335231.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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