Larson Electronics LLC
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MPD-GOAB-NFDS-3P-3W-5KV-3000A-EF-BM-HM-NC-M1

Non-Fused Gang Operated Air Break Switch, 3000 Amp, 5 kV, 3P3W, Horizontal Mount, Open Type, 60kV BIL

Product ID: 337878

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



Image: MPD-GOAB-NFDS-3P-3W-5KV-3000A-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-NFDS-3P-3W-5KV-3000A-EF-BM-HM-NC-M1 Gang Operated Air Break Switch, Non-Fused Disconnect

Unit Type: Non-Fused Gang Operated Air Break Switch
Line-In: N/A (customer provided)
Line-In Cord Cap: N/A (customer provided)
Line-In Connections: IEEE / NEMA 4-Hole & 6-Hole Compatible Terminal Pads
Line-In Orientation: Horizontal Mount
Nominal Voltage: 5 kV Class
Rated Voltage: 5 kV
BIL: 60 kV
Current: 3000 Amps Continuous
Peak Momentary Rating: N/A
Short-Time Withstand: N/A
No. of Poles: (3)
Wires: (3)
Protection Method: N/A
Protection Type: Non-Fused Disconnect
Protection Fuses:
Protection Ampacity: -
Mains Rating (Amps): 3000A

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switch Boards

Made in the USA

Interrupting Rating: N/A
Disconnect Means: Manual Gang Operation
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: IEEE / NEMA 4-Hole & 6-Hole Compatible Terminal Pads
Line-Out Orientation: Horizontal Mount
Form Factor: Open Type Standalone Switch Assembly
Terminal Pads: Silver Plated
Current Carrying Parts: Copper
Switch Base: Galvanized Steel
Break Type: Visible Air Break Disconnect
Minimum Open Gap: 4.5 Inches
Insulators: A30-6 Station Post Insulators
Interphase Barriers: GPO-3 Arc Barriers
Ground Clearance: Minimum 3.5 Inches Energized Parts to Ground
Ground Studs: 1 Inch Diameter
Drive Rod: GPO-3 Drive Rod, Field Cut and Drilled
Drive Rod Mounting: Alternate Drive Rod Mounting Included
Enclosure Bottom Cover: Aluminum
Enclosure Material: None / Open Type Construction
Enclosure Finish: N/A
Enclosure Type: Open Type Indoor Assembly
Mounting: Horizontally Mounted
Linear Travel: 7 Inches
Radius Arm: 3.75 Inches
Dimensions: 40"-W x 28"-D x 52"-H
Assembly Weight: 600 lbs
Pole Weight: Approx. 72 lbs per Pole
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
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-GOAB-NFDS-3P-3W-5KV-3000A-EF-BM-HM-NC-M1 Gang Operated Air Break (GOAB) Switch provides operators with a reliable and visible means of isolating medium-voltage feeders and electrical equipment in industrial facilities, substations, switchgear systems, and power distribution applications. This non-fused air break disconnect switch features a visible open-gap design that provides safe circuit isolation during maintenance and servicing operations. The horizontally mounted switch assembly utilizes silver-plated copper contacts and rugged galvanized steel construction for dependable long-term performance in demanding industrial environments.

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

The MPD-GOAB-NFDS-3P-3W-5KV-3000A-EF-BM-HM-NC-M1 GOAB switch is designed for 5 kV class systems and provides a continuous current rating of 3000 amps with a 60 kV BIL

rating. This manually operated disconnect switch utilizes a gang-operated mechanism for positive open and close control. The visible air break configuration allows operators to visually verify isolation status for enhanced operational safety during servicing and maintenance procedures.

Operation: The open-type GOAB switch features a manually operated disconnect mechanism utilizing a GPO-3 drive rod arrangement that can be field cut and drilled for installation requirements. The switch assembly includes silver-plated terminal pads, silver-plated contacts, and copper current-carrying components for reliable electrical performance. A visible open-gap design provides confirmation that the circuit has been disconnected prior to maintenance activities.

Enclosure Design: The GOAB switch is housed within a heavy-duty 11-gauge steel indoor enclosure with ANSI 70 gray powder-coated exterior finish and white powder-coated interior finish. The enclosure includes a 3-point latch handle, red GPO-3 top cover, aluminum bottom cover, and GPO-3 interphase arc barriers for enhanced insulation and phase separation. IEEE/NEMA 4-hole and 6-hole compatible terminal pads are provided for flexible conductor termination options.

Construction: This medium-voltage disconnect switch features galvanized steel switch base construction, silver-plated contacts, silver-plated terminal pads, and all copper current-carrying parts. The assembly utilizes A30-3.5 station post insulators and includes alternate drive rod mounting provisions for installation flexibility. The switch also includes 1-inch diameter ground studs and maintains a minimum 4.5-inch visible open gap for enhanced isolation safety. The switch complies with IEEE C37.30.1-2022 standards for medium-voltage switch applications.

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

Mount: Operators can horizontally mount the GOAB switch on structures, switchgear assemblies, electrical distribution systems, and industrial power installations.

Customization: The MPD-GOAB-NFDS-3P-3W-5KV-3000A-EF-BM-HM-NC-M1 can be customized to meet specific operating and power requirements. Example of customizations include:

• Alternate mounting arrangements

• Custom operating linkage configurations

• Modified terminal pad arrangements

• Alternate insulator ratings

• Custom grounding provisions

Applications: This gang operated air break switch is suitable for medium-voltage isolation applications including industrial facilities, substations, switchgear systems, utility distribution systems, manufacturing operations, maintenance disconnect systems, and electrical infrastructure upgrades.

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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