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MPD-GOAB-UPM-NFDS-3P-3W-362KV-5000A-EF-BM-HM-NC-CB

362kV Motor Operated, Gang-Operated Air-Break Disconnect Switch (Motor Operated), 5000 Amp, 3-Pole, Center Break, Horizontally Mounted

Product ID: 344297



Image: MPD-GOAB-UPM-NFDS-3P-3W-362KV-5000A-EF-BM-HM-NC-CB

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-362KV-5000A-EF-BM-HM-NC-CB Motor-Operated Air-Break Disconnect Switch

Made in the USA

Unit Type: Motor-Operated Gang-Operated Air-Break (G.O.A.B.) Disconnect Switch

Configuration: 3-Phase
Application: Main/Line Disconnect, Structure-Mounted Isolation
Nominal Voltage: 362 kV, Rated Maximum Voltage: 362 kV
Frequency: 60 Hz
BIL (Rated Withstand Voltage): 1300 kV
Rated Continuous Current: 5000 A
Short Time Rating: 63 kA @ 1.5s
Peak Withstand Rating: 195 kA
Overload Capability: 110% of rated current 2 hours
Operation: Motor Operated, Gang-Operated Switch (Grouped)
Mounting Style: Structure Mounted, Horizontal

Altitude: 3,300 ft Above Sea Level
Operating Temperature Range: -30°C to 40°C
Wind Speed Rating: 100 mph
Ice/Snow Load: 20 psf
Seismic Zone: Low, IEEE 693

Features of Every Assembly

Group-Operated, Motor Operated Mechanism
Visible Open-Gap Isolation Point
Hot-Dip Galvanized Steel Structure, per ASTM 123
Wet-Process Porcelain Insulators, per ANSI C29.9

Construction

Phase poles securely affixed to a structure-mounted support frame

Ratings & Approvals

Designed and Manufactured in accordance with ANSI C37.32 and ANSI C37.34

Support Structure Material: Hot-Dip Galvanized Steel

Insulators: Wet-Process Porcelain

Operating Mechanism: Motor Operated

Grounding Switch: Not included

Zinc Coating per ASTM 123, Hot-Dip on Iron and Steel Hardware
Power Switching Equipment per NEMA SG6
All grounding shall comply with applicable state and local codes and NEC requirements

Dimensions & Shipping
Overall Dimensions: 265 in W x 84 in D x 210 in H (estimated)
Approximate Weight: 6,200 lbs (estimated)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped on flatbed/specialized transport
Crated/rigging requirements available upon request
Final shipping configuration subject to approved design

Special Features
Structure Mounted, Motor Operated Gang-Operated Air-Break Design, Visible Isolation Gap

Special Orders – Special Requirements
Contact us for special requirements
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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 applicable drawings.

Made in the USA

The MPD-GOAB-UPM-NFDS-3P-3W-362KV-5000A-EF-BM-HM-NC-CB from Larson Electronics is a Motor Operated Gang-Operated Air-Break (M.O.A.B.) Disconnect Switch designed for reliable, safe, and utility-grade power isolation in outdoor substation and industrial power systems. This unit is configured for structure-mounted installation and is suitable for transmission voltage applications.

The **MPD-GOAB-UPM-NFDS-3P-3W-362KV-5000A-EF-BM-HM-NC-CB** high-voltage disconnect switch provides utilities and industrial operators with a dependable means of isolating power on 362 kV systems using 362 kV-class equipment. This three-phase motor-operated gang-operated air-break switch is rated 5000 A continuous, with an 63 kA momentary current rating and a 1300 kV BIL, making it suitable for main and line disconnect applications requiring visible isolation. The device operates at 60 Hz and complies with applicable ANSI C37.32 and ANSI C37.34 standards.

Operation: The disconnect switch utilizes a manually operated, group-operated mechanism that simultaneously opens and closes all three poles. The gang-operated design provides a visible open-gap isolation point, giving maintenance personnel clear confirmation of circuit isolation before servicing energized equipment.

Switching Design: This unit incorporates a 3-phase, gang-operated air-break disconnect switch for reliable manual isolation in high-voltage substations. The open-air design allows visible isolation and dependable switching performance across varying phase spacing and installation configurations.

Enclosure Design: The disconnect switch features wet-process porcelain insulators mounted

on a rigid, hot-dip galvanized steel support structure. The assembly is adaptable to various phase spacing, installation heights, and foundation layouts, and is rated for reliable performance in environments with high exposure to salt, minerals, chemicals, or wind-borne particulate.

Certification: This high-voltage gang-operated air-break disconnect switch is designed and manufactured in accordance with ANSI C37.32, ANSI C37.34, and NEMA SG6. Zinc coating on iron and steel hardware conforms to ASTM 123.

Mount: The **MPD-GOAB-UPM-NFDS-3P-3W-362KV-5000A-EF-BM-HM-NC-CB** is designed for structure mounting in outdoor substations and industrial power yards. Final mounting configuration, phase spacing, and foundation details are determined based on project-specific requirements.

Customization: The **MPD-GOAB-UPM-NFDS-3P-3W-362KV-5000A-EF-BM-HM-NC-CB** can be customized to meet specific operating and power requirements. Examples of customization include:

* Heater packages for low-temperature environments
* Additional auxiliary contacts and monitoring provisions
* Custom mounting structures and phase spacing
* Grounding and interlock accessories

Applications: This gang-operated air-break disconnect switch is suitable for utility substations, industrial plants, and high-voltage transmission and distribution systems requiring manual isolation switching.

Customer Compliance: Final arrangements, sizes, ratings, settings, configuration, and installation details will be finalized during detailed engineering review and customer approval prior to release for manufacture.

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.

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