Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MPD-GOAB-UPM-NFDS-3P-3W-25KV-900A-EF-BM-N3R

Gang Operated Air Break Switch, 900 Amp, 25kV AC, 3-Pole, 3-Wire, Pole Mounted, Outdoor Rated (NEMA 3R), with 10.2kV MCOV Surge Arresters

Product ID: 333751

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-25KV-900A-EF-BM-N3R

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-25KV-900A-EF-BM-N3R Gang Operated Air Break Switch, Non-Fused Disconnect

Unit Type: Pole Mounted Medium Voltage Gang Operated Air Break Switch (GOAB)
Line-In: N/A (customer provided)
Line-In Cord Cap: N/A (customer provided)
Line-In Connections: Clamp Type / Pad Terminals
Line-In Orientation: Overhead Feed
Nominal Voltage: 25 kV AC, 3 Phase
Rated Voltage: 25 kV AC, 3 Phase
BIL: 125 kV
Current: Alternate 3 Phase Current
No. of Poles: (3)
Wires: (3)
Protection Method: N/A
Protection Type:
Protection Fuses:
Protection Ampacity: -
Surge Arrestor Voltage Rating: 25 kV Class Distribution Arresters
Surge Arrestor MCOV Rating: 10.2 kVrms
Mains Rating (Amps): 900A

Ratings

Complies with ANSI C37.30 / C37.32
NRTL Listed to UL 891 Dead Front Switchboards
NEMA 3R Rated for Indoor and Outdoor Use
Hot-Dip Galvanized Steel Construction
Made in the USA

Interrupting Rating: Load Break Capable (with optional arcing horns/load interrupters)
Disconnect Means: Manual via Hookstick (Gang Operated)
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: Clamp Type / Pad Terminals
Line-Out Orientation: Overhead Feed
Form Factor: Open Air, Vertical Break Switch Assembly
Door: N/A (Open Construction)
Enclosure Material: N/A (Open Air Design)
Enclosure Finish: Hot-Dip Galvanized Steel
Enclosure Type: NEMA 3R Equivalent (Outdoor Open Air)
Mounting: Pole Mounted
Dimensions: Approx. 60"-W x 48"-H x 36"-D
Weight: Approx. 250 lbs
Shipping Dimensions: Approx. 72"-W x 60"-L x 48"-H
Shipping Weight: Approx. 300 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
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-UPM-NFDS-3P-3W-25KV-900A-EF-BM-N3R Gang Operated Air Break Switch is designed for reliable, safe and convenient medium voltage power distribution in utility and industrial applications. This non-fused disconnect is designed for pole-mounted installations, providing a visible means of isolation in overhead distribution systems. The open-air vertical break switch assembly is constructed from hot-dip galvanized steel for long-term outdoor durability.

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

The MPD-GOAB-UPM-NFDS-3P-3W-25KV-900A-EF-BM-N3R gang operated air break switch provides a safe and reliable way for operators to isolate sections of 25 kV AC distribution lines. Featuring a manual hookstick-operated mechanism, this GOAB switch allows for efficient switching and sectionalizing of overhead feeders. The unit carries a 900-amp continuous current rating and is available with optional load break attachments for interrupting load currents. Integrated 10.2 kV MCOV surge arresters provide protection against transient overvoltages.

Operation: The GOAB switch utilizes a gang-operated linkage system that enables all three phases to open and close simultaneously. Operators use a standard hookstick to manually actuate the switch from ground level. The visible blade design allows clear visual confirmation of an open or closed position, enhancing safety during maintenance and line work.

Design: The switch features a vertical break configuration with high-strength, silver-plated contacts for reliable conductivity and minimal resistance. Polymer or porcelain insulators provide electrical isolation, while the entire structure is supported by a rugged, hot-dip galvanized steel frame designed to withstand harsh environmental conditions.

Construction: This unit is built for open-air outdoor use and does not require an enclosure. All

components are corrosion-resistant and suitable for long-term exposure to weather, UV, and environmental contaminants typically found in utility distribution environments.

Mount: Operators can mount the GOAB switch directly to wooden or concrete utility poles for overhead line applications.

Customization: The MPD-GOAB-UPM-NFDS-3P-3W-25KV-900A-EF-BM-N3R can be customized to meet specific operational and utility requirements. Examples of customizations include:

• Addition of motor operators for remote or SCADA-controlled switching

• Integration of load break interrupters or arcing horns

• Alternate insulator types (polymer or porcelain)

• Aiding alarm relays for trip notification downstream

• Wildlife protection and arc guards

Applications: This gang operated air break switch is suitable for outdoor medium voltage applications including utility distribution systems, substations, industrial plants, renewable energy interconnections, and overhead feeder 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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

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/HigResPic1/333751.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)