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

Product ID: 314523

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



Image:

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-MODS-WML-FDS-3P-4W-25KV-2000A-DF-BM-N3R-FA Manual Operated Disconnect Switch

Unit Type: Manual Operated Disconnect Switch (MODS), Vertical Break
Line-In: N/A (customer provided)
Line-In Cord Cap: N/A (customer provided)
Line-In Connections: TBD
Line-In Orientation: Bottom Feed
Voltage Class: 25 kV
Current Rating: 2000A
System Voltage: 25 kV
Phase: Three Phase
Frequency (Hz): 60 Hz
Interrupting Capability: Non-load break
Operating Mechanism, Control Voltage: Motor Operated
Control Voltage: Heater/Lights/GFCI Outlet 120 VAC
Motor Operation Voltage: 125 VAC
ARC Suppression: Included
Min. Creepage: 142 inches
Short Circuit Withstand Current: 44 kA (3 Sec)
Peak Withstand Current: 114 kA (10 Sec)
BIL (1.2 x 50µs): 125 kV
Withstand Voltage (1 min, dry): TBD
Withstand Voltage (10 sec, wet): TBD
HV Insulator Material: Wet-process Porcelain
HV Terminal Type: NEMA 4-Hole Pads

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 98 Dead Front Switch Boards
NEMA 3R Rated for Indoor/Outdoor Use
ANSI C37.30, C37.32
ANSI C37.34
Two Years Of Warranty
Made in the USA

Max. Operating Time: 10 sec.
Auxiliary Switch Contact: 8 Auxiliary Contacts
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: TBD
Line-Out Orientation: Bottom Feed
Construction: Phase poles to be securely affixed to a base of frame
Bearings: Heavy duty stainless steel bearing enclosed in weather proof aluminum alloy housing
ACSR termination Lugs: 477 MCM, BURNDY CAT #NAR36A-4N (for each pad)
Lug Afiixing Hardware : 2"-13NC, Durium Bolts, Washers & Nuts
External Metal Parts: Hot Dipped Galvanized per ASTM standards
Support Frame Ground Lugs: Suitable for #4/0 AWG Cu
Manual Operation Override: Included
Manual Operator Type: Worm-Gear
Operating mechanism auxiliary contacts: Included
Heaters: Included, 120/240 VAC, 1-Phase
Pad-lockable Doors: Included
Operating Rods Material: Hot Dipped Galvanized
Rod Grounding: Grounding Straps for #4/0 AWG CU to be supplied
Altitude: 3300ft Above Sea Level
Operating Temperature Range: -40°C to 50°C
Seismic Zone: Low, IEEE 693
Wind Speed Rating: 100 mph
Ice/Snow Load: 20 psf
Environment: Trace amounts of H2S, SO2 , and coke dust
Enclosure Material: 11GA Sheet Steel
Enclosure Finish: ANSI 49 Grey
Enclosure Type: NEMA 3R
Mounting Type: Floor
Mounting Orientation: Vertical
Dimensions: TBD
Weight: TBD
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 MPD-MODS-WML-FDS-3P-4W-25KV-2000A-DF-BM-N3R-FA from Larson Electronics is a Power Distribution Fused Motor Operated Disconnect Switch that is designed for reliable, safe, and convenient power distribution at industrial work sites. Designed for wall mounting installations, the disconnect switch is protected by three 2000A class J fuses and a NEMA 3R rated, steel enclosure with a ventilated design.

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

The MPD-MODS-WML-FDS-3P-4W-25KV-2000A-DF-BM-N3R-FA service entrance disconnect switch (MODS) provides a safe and reliable way for operators in industrial settings

to tap into and utilize power sources independently of the work area. Compatible with single-phase 25 KV AC, the disconnect switch features a manual operating handle. This 3-pole, 4-wire disconnect carries a 44,000 AIC RMS @ 25 KV AC interrupt rating and is equipped with a solid neutral.

Operation: The dead front fused disconnect switch features a locking door. The door provides access to a permanently attached operating handle, which is used for manually disconnecting or connecting power.

Time Delay vs. Fast Acting Fuses Two of the most common types of fuses found in power distribution equipment are time delay and fast acting fuses.

> **Time Delay:** Time delay fuses are tripped once overcurrent heat builds up enough to melt the fuse element over a period of time. That period of time varies between different time delay fuses depending on the application. Time delay fuses decrease the chances of false tripping. During startup, many components require a large current for a very short amount of time. In other words, a time delay fuse disconnects the circuit only when the overcurrent persists in the line.
>
> **Fast Acting:** Fast acting fuses are tripped immediately upon sensing an overcurrent or short circuit in the line. They are ideal for electronics, components, or systems that cannot withstand sudden changes in current. A fast acting fuse will not withstand a temporary overload such as one that occurs during the startup process.

Enclosure Design: The disconnect switch is protected by an 11GA sheet steel enclosure with ANSI 49 grey finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 3R rated. This rating allows the non fused disconnect to be used in indoor.

Certification: This disconnect switch is NRTL listed to UL 98 dead front switchboards and NRTL listed for service equipment.

Mount: Operators can mount the service entrance disconnect on pedestal.

Customization: The MPD-MODS-WML-FDS-3P-4W-25KV-2000A-DF-BM-N3R-FA can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the non-fused disconnect portable and certified to NRTL UL 1640 for portable equipment

• Adding single pole camlock connectors for quick connections

• Adding heaters for cold environments

• Aiding alarm relays for trip notification down stream

• Adding powering meters

Applications: This switchgear is suitable for indoor/outdoor use and applications including, but not limited to, construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

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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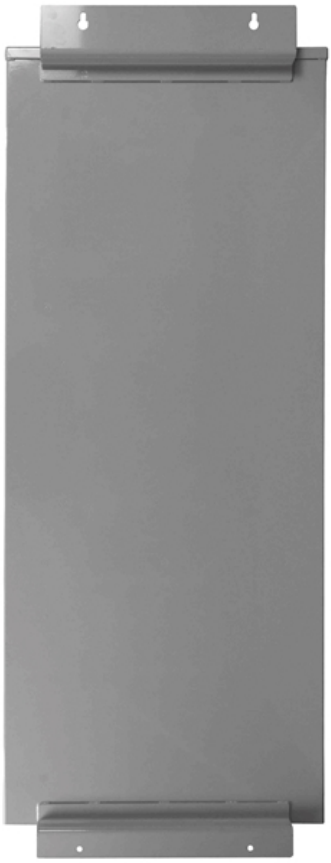


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Export Control Classification Number (ECCN): EAR99

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- **Video1** (https://www.youtube.com/watch?v=aOJY5E9e33I)
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