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MPD-MODS-WML-FDS-3P-4W-5KV-1200A-DF-BM-N3R-FA

MV Motor Operated Disconnect Switch, 1200 Amp, 5KV 1PH AC, 3-Pole 4-Wire, (3) Class L Fast Acting Fuses, Floor Mount, NEMA 3R

Product ID: 314387



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-5KV-1200A-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: 5kV
Current Rating: 1200A
System Voltage: 5kV
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 VDC
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): 60 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
Max. Operating Time: 10 sec.

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

Auxiliary Switch Contact: 12 Auxiliary Contacts (customer provided)

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
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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 MPD-MODS-WML-FDS-1P-4W-5KV-1200A-DF-BM-N3R-FA from Larson Electronics is a Power Distribution Fused Manual 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 1200A 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-1P-4W-5KV-1200A-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 5KV AC, the disconnect switch features a manual operating handle. This 3-pole, 4-wire disconnect carries a 44,000 AIC RMS @ 5KV 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:**
- **Fast Acting:**

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-1P-4W-5KV-1200A-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.




WARNING
ALL DOORS MUST BE CLOSED AND FASTENED PRIOR TO LEAVING THE EQUIPMENT UNATTENDED
WARNING
FOR USE BY QUALIFIED PERSONNEL ONLY



Frequently Asked Questions (FAQ)