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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MPD-DS-PM-FDS-2P-2W-15KV-100A-DF-BM-N3R-100E-M1

Fused Disconnect Switch, 100 Amp, 15kV 1PH AC, 2-Pole 2-Wire, (2) E-Rated Current-Limiting Power Fuses (100E), Pad Mount, NEMA 3R

Product ID: 319355

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-DS-PM-FDS-2P-2W-15KV-100A-DF-BM-N3R-100E-M1 Disconnect Switch - Fused Disconnect

Unit Type: Outdoor High Voltage Fused Disconnect Switch
Line-In: N/A (Customer Provided)
Line-In Cord Cap: N/A (Customer Provided)
Line-In Connections: Mechanical Lugs, Accepts #2 AWG Cu, 15kV MV-105, 133% Insulation
Line-In Orientation: Bottom Feed
Voltage (V): 13.8kV Nominal (Rated for 15kV Class)
Phase (PH): 1-Phase
Frequency (Hz): 60 Hz (60-Cycles)
BIL Rating: 95kV
Protection Method: Fused, Class E Type Fuse
Protection Type: Current Limiting Power Fuse
Protection Fuses: (2) Fuses, Included
Protection Ampacity: 100A
Mains Rating (Amps): 100A Continuous
Interrupting Rating: 50 kA Symmetrical (at 15kV)
Horsepower (Standard): N/A
Max Motor Full Load Amps Rating: N/A
Disconnect Means: Manual Operating Handle, Pad-Lockable
Neutral Connection: -
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: Mechanical Lugs, Accepts #2 AWG Cu, MV-105
Line-Out Orientation: Bottom Feed
Form Factor: Free-standing Outdoor Enclosure

Ratings

NRTL Listed Service Equipment
NRTL Listed to ANSI C37.42, IEEE C37.41, UL 98
NEMA 3R Rated for Indoor and Outdoor Use
120/240 VAC, Thermostatically Controlled Cubicle Heaters (Included)
Designed for Northwest Indiana Outdoor Environmental Conditions
Made in the USA

Door: Front Access with Lockable Handle, Viewing Window Included
Enclosure Material: 11GA Sheet Steel
Enclosure Finish: ANSI 49 Grey
Enclosure Type: NEMA 3R Outdoor Rated, Rodent Proof, Ventilated
Mount: Pad Mount on Concrete Slab
Dimensions: -
Weight: -
Shipping Dimensions: -
Shipping Weight: -
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: 1-903-498-3364
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-DS-PM-FDS-2P-2W-15KV-100A-DF-BM-N3R-100E-M1 from Larson Electronics is a Power Distribution Fused 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 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-DS-PM-FDS-2P-2W-15KV-100A-DF-BM-N3R-100E-M1 service entrance disconnect switch 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 15kV Class, 13.8kV Nominal, the disconnect switch features a manual operating handle. This 2-pole, 2-wire disconnect carries a 50 kA or higher at 15kV interrupt rating. Two 100E-Rated Medium-Voltage Power Fuses are included with the disconnect. The fuses are quick acting and current limiting.

Operation: The dead front 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 outdoor, rodent-proof, 11GA steel with ANSI 49 grey finish. A ventilated design promotes natural cooling and improves performance.

Protective Construction: The disconnect switch is housed in a heavy-duty, weatherproof NEMA 3R steel enclosure with a drip shield and gasketed access door. The 11GA sheet steel enclosure is designed for outdoor pad-mount installations in harsh environments and includes rodent-proof screening, ventilated design for passive cooling, and corrosion-resistant ANSI 49 grey finish. A hinged, lockable door provides secure access to internal components, with a viewing window to verify switch position. The enclosure is suitable for sustained outdoor use and offers protection against rain, sleet, and external ice formation, while minimizing ingress of rodents and debris.

Mount: Operators can install the service entrance disconnect on a concrete pad using pad-mount brackets or bolt-down provisions, suitable for permanent outdoor installation.

Certification: This disconnect switch is NRTL listed to ANSI C37.42 / IEEE C37.41 for MV fused switches and NRTL listed for service equipment.

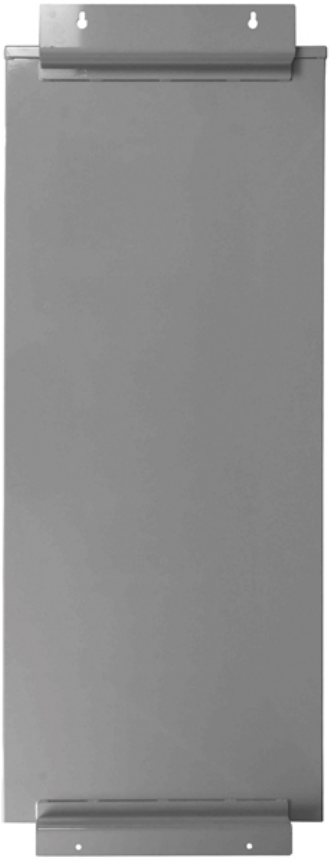
Customization: The MPD-DS-PM-FDS-2P-2W-15KV-100A-DF-BM-N3R-100E-M1 can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the fused disconnect portable and certified to NRTL UL 1640 for portable equipment
• Adding heaters for cold environments

- Aiding alarm relays for trip notification down stream
- Adding powering meters

Applications: This switchgear is suitable for Outdoor medium-voltage industrial service (e.g., substations, heavy industry)

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)