

MPD-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N4-FA

Fused Disconnect Switch - 1500V DC Rated, 2-Pole - (2) 1200A Fast Acting PV Fuses - Floor Mount/N4 - LB Capable

Product ID: 338338



Image: MPD-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N4-FA

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-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N4-FA Disconnect Switch - Fused Disconnect

Unit Type: Service Entrance Fused Disconnect Switch

Line-In: N/A (customer provided)

Line-In Cord Cap: N/A (customer provided)

Line-In Connections: Terminal Lugs, (3) Sets 4/0 AWG Conductors per Polarity

Line-In Orientation: Bottom Entry

Voltage: 1500V DC

Phase: DC

Frequency (Hz):

Protection Method: Fused, (2) 1200A Fuses Included

Protection Type: Fast-Acting PV Fuses

Protection Ampacity: 1200A

Mains Rating: 1200A

Interrupting Rating: Max. 200 kA @ 1500V DC

Disconnect Means: Manual via Handle

Neutral/Ground: Ground lug provided per NEC 250; negative bus optionally bondable to enclosure

Busbar Material: Copper

Ungrounded Connection: Negative is Ungrounded

Load Break Capable: Yes

Line-Out: N/A (customer provided)

Line-Out Cord Cap: N/A (customer provided)

Line-Out Connection: Terminal Lugs, (3) Sets 4/0 AWG Conductors per Polarity

Line-Out Orientation: Bottom Entry

Ratings

NRTL Listed Service Equipment

NRTL Listed to UL 98B – Enclosed & Dead-Front Switches (DC)

NEMA 3R Rated for Indoor and Outdoor Use

Negative is Ungrounded

Load Break Capable

Made in the USA

Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door

Door: (1) Left Hinged Door w/ Pad Lockable Handle

Operating Altitude: ≤ 3,300ft Above Sea Level

Enclosure Material: 11GA Sheet Steel

Enclosure Finish: RAL 70124E

Enclosure Type: NEMA 4

Mount: Floor Mount

Dimensions: Approx. 30"D x 36"W x 72"H

Weight: Approx. 700 lbs

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: 1-903-765-7664

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-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N4-FA from Larson Electronics is a 1500V DC Fused Disconnect Switch designed for reliable and safe isolation of photovoltaic (PV) and DC power systems at industrial work sites. This fused disconnect includes two 1200-amp, 1500V DC rated fast-acting PV fuses. Designed for floor-mount installations, the disconnect switch is protected by a NEMA 4 rated, 11GA steel enclosure with a ventilated design for cooling.

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

The MPD-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N4-FA service entrance disconnect provides a safe and reliable means for operators in industrial or renewable energy settings to isolate high-voltage DC circuits. The disconnect switch features a heavy-duty manual operating handle. This unit carries a 250 kA interrupt rating at 1500V DC and supports side, top, and bottom conduit entry. The disconnect switch includes and accepts two 1200-amp, 1500V DC fast-acting PV fuses.

Operation: The disconnect switch features a lockable door with a permanently attached operating handle for manual disconnection. A dead front safety cover shields operators from live parts and fuses. Ventilation allows for inspection while maintaining safety.

Enclosure Design: The disconnect switch is protected by an 11GA sheet steel enclosure with RAL 70124E finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 4 rated for protection against water, moisture and debris. This rating allows the fused disconnect to be used in indoor and outdoor areas.

Certification:

- NRTL Listed to UL 98B – Enclosed & Dead-Front Switches for DC
- Fuses comply with UL 248-19 / IEC 60269-6 gPV (PV applications)

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

Customization: The MPD-DS-FM-FDS-2P-3W-1500VDC-1200A-DF-BM-N4-FA 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 single pole camlock connectors for quick connections
- Adding heaters for cold environments
- Aiding alarm relays for trip notification downstream
- Adding power meters

Applications: This disconnect switch 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