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: 341690

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-DS-WM-NFDS-1P-2W-1600VDC-2000A-DF-BM-N3R Disconnect Switch – Non-Fused Disconnect
Unit Type: Service Entrance Non-Fused Disconnect Switch

Line-In: N/A (customer provided)
Line-In Connections: Terminal Lugs, Lugging 6 Sets 600 AL per Pole
Line-In Orientation: Sides, Top, and Bottom Feed
Voltage: 1600V DC
Phase: DC
Poles: 1-Pole, 2-Position
Mains Rating: 2000A
Interrupting Rating: 200 kA @ 1600V DC
Disconnect Means: Manual via Handle
Ground: Ground Lug Provided per NEC 250; Negative Bus Optionally Bondable to Enclosure

Load Break Capable: Yes

Line-Out: N/A (customer provided)
Line-Out Connection: Terminal Lugs, Lugging 6 Sets 600 AL per Pole

Line-Out Orientation: Sides, Top, and Bottom Feed

Form Factor: Rectangular, Slim-Profile Enclosure w/ Lockable Door
Enclosure Material: 11GA Sheet Steel, ANSI 49 Grey Finish
Enclosure Type: NEMA 3R Ventilated

Made in the USA

Features of Every Assembly
Lockable Left-Hinged Door w/ Pad Lockable Handle
Dead Front Safety Cover
Ventilated Enclosure Design for Natural Cooling
Auxiliary Contacts Included, 2 NO and 2 NC (4 total)
Load Break Capable
Negative is Ungrounded

Ratings & Approvals

NRTL Listed Service Equipment

NRTL Listed to UL 98B – Enclosed & Dead-Front Switches (DC)
UL Listed
NEMA 3R Rated for Indoor and Outdoor Use
All grounding shall comply with state and local codes and meet the minimum requirements of the National Electrical Code section 250

Mount: Wall Mount

Dimensions & Shipping
Overall Dimensions: 24.12"W × 44.76"D × 12.39"H (estimated)
Approximate Weight: 151 lbs (estimated)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped on pallet or skid
Crated shipment available upon request
Final shipping configuration subject to approved design

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

Customer Compliance
Final arrangements, sizes, ratings, settings, configuration, and installation details will be finalized during detailed engineering review and customer approval prior to release for manufacture.

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.

Made in the USA

The MPD-DS-WM-NFDS-1P-2W-1600VDC-2000A-DF-BM-N3R from Larson Electronics is a Non-Fused Disconnect Switch designed for reliable and safe isolation of photovoltaic (PV) and DC power systems at industrial work sites. This 2000-amp, 1600V DC rated disconnect is single-pole, two-wire construction. Designed for wall-mount installations, the disconnect switch is protected by a NEMA 3R 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-WM-NFDS-1P-2W-1600VDC-2000A-DF-BM-N3R** 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 with two switching positions. This unit carries a 200 kA interrupt rating at 1600V DC, 2000-amp, and supports side, top, and bottom conduit entry. The unit includes four auxiliary contacts (2 NO and 2 NC) for remote status/interlock indication and is load-break capable.

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

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 for protection against water, moisture, and debris, allowing the non-fused disconnect to be used in indoor and outdoor areas.

Certification
This disconnect switch is NRTL listed to UL 98B – Enclosed & Dead-Front Switches for DC.

Mount
Operators can mount the service entrance disconnect on walls.

Customization
The **MPD-DS-WM-NFDS-1P-2W-1600VDC-2000A-DF-BM-N3R** can be customized to meet specific operating and power requirements. Examples 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
* Adding alarm relays for trip notification downstream
* Adding power meters

Special Features
Manual Two-Position Disconnect Operation, Dead-Front Safety Cover, Load Break Capable, Four Auxiliary Contacts, Ventilated NEMA 3R Enclosure

Ratings & Approvals
NRTL Listed Service Equipment, NRTL Listed to UL 98B – Enclosed & Dead-Front Switches (DC), UL Listed, NEMA 3R Rated for Indoor and Outdoor Use, 200 kA Interrupting Rating @ 1600V DC

Customer Compliance
The final arrangements, sizes, ratings, settings, configuration, and installation details of this equipment will be established in accordance with detailed engineering review, applicable project documentation, and customer approval prior to manufacture.

Applications: Suitable for indoor/outdoor use, including 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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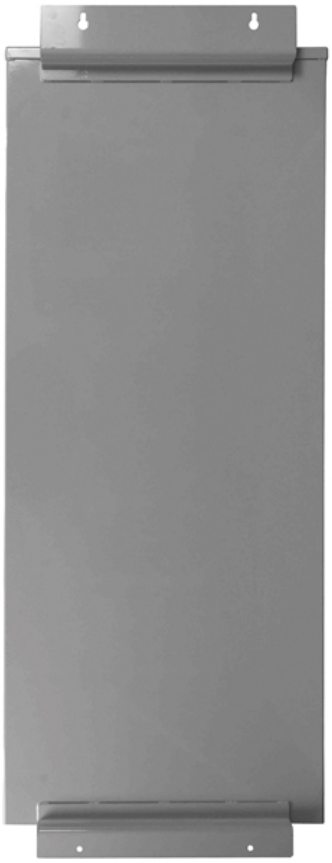

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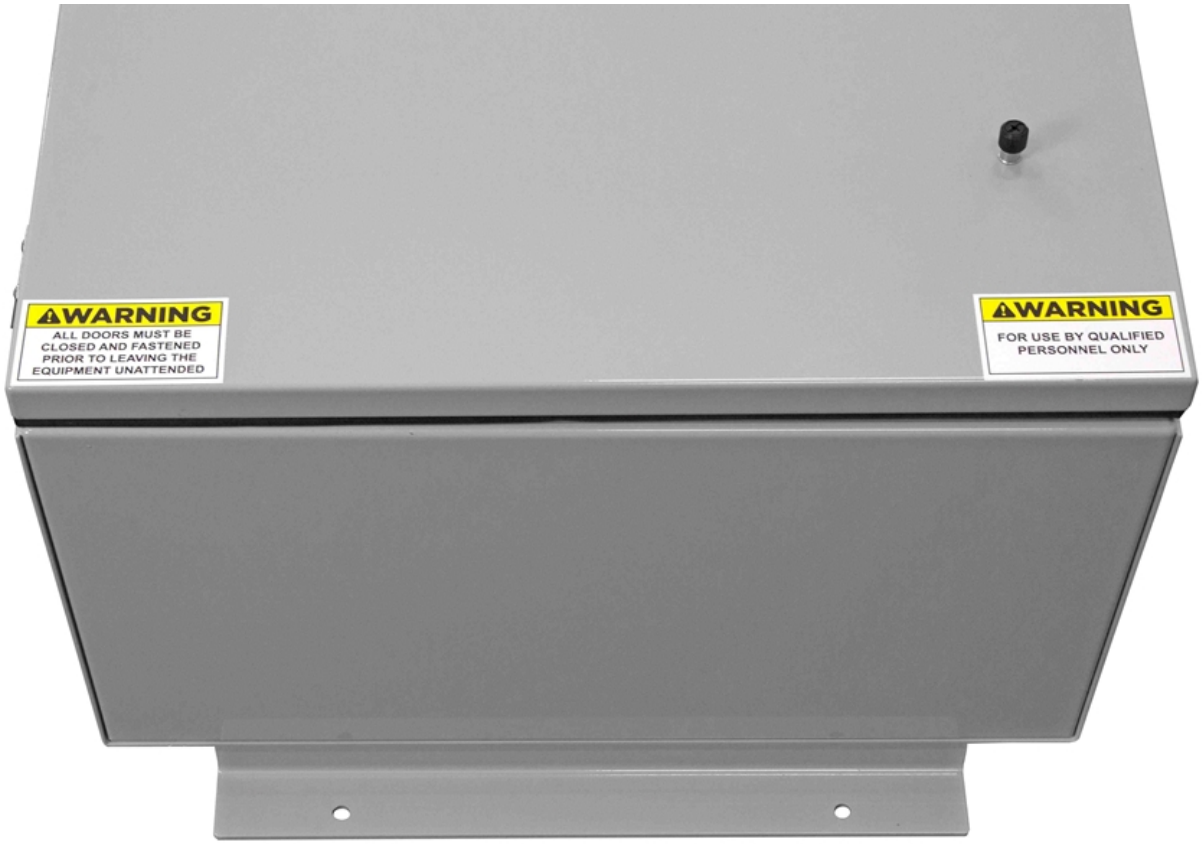

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Export Control Classification Number (ECCN): EAR99

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- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/341690.JPG)
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- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/341690.JPG)
- **Video1**(https://www.youtube.com/watch?v=QLVGowfKMN8)
- **Video2**(https://www.youtube.com/watch?v=aOJY5E9e33I)
- **Video3**(https://www.youtube.com/watch?v=_kAQF7Lv-OU)
- **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)