

Product ID: 339895

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-2P-2W-1500VDC-250A-DF-BM-N4X-M1 Disconnect Switch - Fused Disconnect

Unit Type: Service Entrance Non-Fused Disconnect Switch

Line-In: N/A (customer provided)

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

Line-In Connections: Terminal Lugs

Line-In Orientation: Sides, Top and Bottom Feed

Voltage: 1500V DC

Phase: DC

Frequency:

Protection Method: Non-Fused

Protection Type: Manual Load Break Disconnect

Protection Ampacity: 250A

Mains Rating (Amps): 250A

Interrupting Rating: 200 kA @ 1500V DC

Disconnect Means: Manual via External Rotary Handle

Neutral/Ground: Ground lug provided per NEC 250; accepts #14 AWG–2/0 AWG conductors

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

Line-Out Orientation: Sides, Top and Bottom Feed

Ratings

NRTL Listed Service Equipment

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

UL Listed

NEMA 4X Rated for Indoor and Outdoor Use

Negative is Ungrounded

Load Break Capable

Type 2 DC Surge Protective Device (SPD) Included

Made in the USA



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

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

Enclosure Material: 11GA Sheet Steel

Enclosure Finish: ANSI 61 Gray

Enclosure Type: NEMA 4X

Mount: Wall Mount

Dimensions: Approximately 20"-W × 30"-H × 10"-D (TBD)

Weight: Approximately 60 lb (TBD)

Shipping Dimensions: (*Please note that dimensions are approximate and subject to change*) TBD

(*Please note that weight is approximate and subject to change*) 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-DS-WM-NFDS-2P-2W-1500VDC-250A-DF-BM-N4X-M2 from Larson Electronics is a 1500V DC Non-Fused Disconnect Switch designed for reliable and safe isolation of photovoltaic (PV) and other high-voltage DC power systems. This wall-mounted disconnect features a 250-amp, 1500V DC rated, 2-pole, 2-wire load-break disconnect switch and an integrated Type 2 DC Surge Protective Device (SPD) for enhanced protection against transient overvoltage events. The disconnect is housed in a rugged NEMA 4X rated, 11GA steel enclosure for reliable performance in harsh indoor and outdoor environments.

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

The MPD-DS-WM-NFDS-2P-2W-1500VDC-250A-DF-BM-N4X-M2 service entrance disconnect provides a safe and reliable means for operators in commercial, industrial, and renewable energy applications to isolate high-voltage DC circuits during maintenance or emergency shutdowns. The disconnect switch features a heavy-duty external manual operating handle and accepts customer-provided line and load conductors through terminal lug connections. A ground terminal accepting #14 AWG through 2/0 AWG conductors is included.

Operation: The disconnect switch features a lockable enclosure door with a permanently attached external operating handle for manual load-break operation. A dead-front safety cover shields operators from energized components during servicing, while the integrated Type 2 DC SPD provides protection against voltage surges caused by lightning and switching events.

Enclosure Design: The disconnect switch is protected by an 11GA sheet steel enclosure with an ANSI 61 gray powder-coated finish. The NEMA 4X enclosure provides protection against rain, hose-directed water, corrosion, dust, and other harsh environmental conditions, making the disconnect suitable for both indoor and outdoor installations.

Certification:

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

- Type 2 DC Surge Protective Device

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

Customization: The MPD-DS-WM-NFDS-2P-2W-1500VDC-250A-DF-BM-N4X-M2 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 and outdoor photovoltaic (PV) systems, battery energy storage systems (BESS), commercial solar installations, industrial DC power distribution, renewable energy facilities, and other applications requiring safe isolation of 1500V DC circuits.

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.



Frequently Asked Questions (FAQ)

There are no Faqs

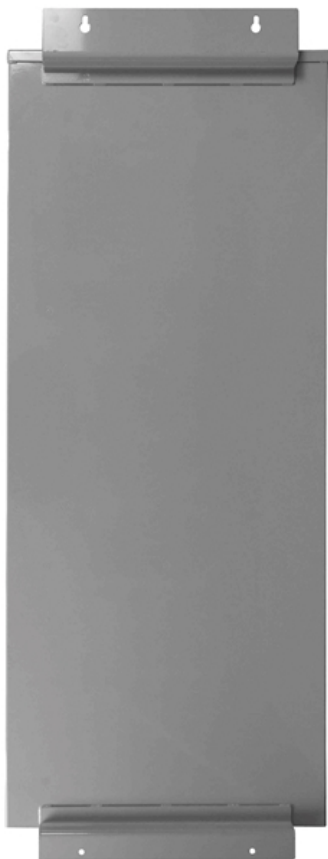


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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/339895.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/339895.JPG>)
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- **Video2**(<https://www.youtube.com/watch?v=aOJY5E9e33I>)
- **Video3**(https://www.youtube.com/watch?v=_kAQF7Lv-OU)
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