

Product ID: 339984

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-WML-FDS-DC-4P-2W-800VDC-600A-DF-BM-N4X 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, Accepts (1) 750 MCM or (2) 600 MCM 90°C Lugs, Compatible with AL and CU Conductors

Line-In Orientation: Bottom Feed

Voltage (V): 800V DC

Phase (PH): -

Frequency (Hz): -

Protection Method: Fused

Protection Type: 600A DC Fuse

Protection Ampacity: 600A DC

Mains Rating (Amps): 600A DC

Interrupting Rating: 10 kA @ 800V DC

Horsepower (Standard):

Max Motor Full Load Amps Rating:

Busbar Material: Tin Plated Aluminum Busbar w/ 1.75" Spacing - (1/2" x 2-1/4" hardware included for input/output terminals)

Disconnect Means: Manual, External Lockable Handle; Visible-Open blades

Neutral Connection: -

Ground Node: (4) #1/0-14 AWG and (9) #6/14 AWG

Line-Out: N/A (Customer Provided)

Ratings

NRTL Listed Service Equipment

NRTL Listed to UL 98 Dead Front Switchboards

NEMA 4X Rated for Indoor and Outdoor Use

UL 98B / UL 489B Listed (DC)

NEC 690.13 / 690.15, NEC 706; Suitable for Rule 21 inspections

Made in the USA



Line-Out Cord Cap: N/A (Customer Provided)

Line-Out Connection: Terminal Lugs, Accepts (1) 750 MCM or (2) 600 MCM 90°C Lugs,
Compatible with AL and CU Conductors

Line-Out Orientation: Bottom Feed

Breather Vent: Included

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

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

Enclosure Material: Non-Metallic

Enclosure Finish: ANSI 49 Grey

Enclosure Type: NEMA 4X Ventilated

Mount: Wall Mount

Dimensions: 21.6"D x 27.7"W x 59.0"H

Weight: 580 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-WML-FDS-DC-4P-2W-800VDC-600A-DF-BM-N4X from Larson Electronics Power Distribution Fused Disconnect Switch 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 4X rated, non-metallic enclosure with a ventilated design.

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

The MPD-DS-WML-FDS-DC-4P-2W-800VDC-600A-DF-BM-N4X 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 high voltage 800V DC, the disconnect switch features a manual operating handle. This 4-pole, 2-wire disconnect carries a 10 kA at 800V DC interrupt rating.

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.

Enclosure Design: The disconnect switch is protected by a non-metallic enclosure with ANSI 49 grey finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 4X rated for protection against water, moisture and debris. This rating allows the fused disconnect to be used in indoor and outdoor areas.

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 walls.

Customization: The MPD-DS-WML-FDS-DC-4P-2W-800VDC-600A-DF-BM-N4X 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, motors, solar, railway, and other high voltage DC applications.

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



Image:



Image:



Image:



Image:



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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/HigResPic1/339984.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/339984.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/339984.JPG>)
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- **HigResPic6**(<https://www.larsonelectronics.com/images/product/HigResPic6/339984.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=h09GF5O4MYU>)
- **Video2**(<https://www.youtube.com/watch?v=aOJY5E9e33I>)
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