

Product ID: 322118

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-2P-2W-24VDC-30A-DF-BM-N3R-TD 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: (2) Terminal Lugs, Accepts #10-#14 AWG

Line-In Orientation: Bottom Feed

Voltage: 24V DC

Phase: 1-Phase DC

Frequency:

Protection Method: Fused, Class J Type Fuse

Protection Type: Time Delay Fuse

Protection Fuses: Included, (2) Fuses

Protection Ampacity: 30A

Mains Rating (Amps): 30A

Interrupting Rating: 200,000 AIC RMS @ 600V AC

Horsepower (Standard): 7.5 HP at 240V, 15 HP at 480V, 20 HP at 600V

Max Motor Full Load Amps Rating: 22 FLA at 240V, 21 FLA at 480V, 22 FLA at 600V

Disconnect Means: Manual via Handle

Neutral Connection: Included

Line-Out: N/A (customer provided)

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

Line-Out Connection: (4) Terminal Lugs, 2+2

Line-Out Orientation: Bottom Feed

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

Ratings

NRTL Listed Service Equipment

NRTL Listed to UL 98 Dead Front Switchboards

NEMA 3R Rated for Indoor/Outdoor Use

Made in the USA



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

Enclosure Material: Steel

Enclosure Finish: Natural Metal Finish

Enclosure Type: NEMA 3R

Mount: Wall Mount

Dimensions: 30"T x 16.5"W x 13"D

Weight: 48 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-2P-2W-24VDC-30A-DF-BM-N3R-TD 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.

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

The MPD-DS-WML-FDS-2P-2W-24VDC-30A-DF-BM-N3R-TD 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 24V DC, the disconnect switch features a manual operating handle. This 2-pole, 2-wire disconnect carries a 200,000 AIC RMS at 24V DC interrupt rating. Two 30-amp Class J 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: Time delay fuses are tripped once overcurrent heat builds up enough to melt the fuse element over a period of time. That period of time varies between different time delay fuses depending on the application. Time delay fuses decrease the chances of false tripping. During startup, many components require a large current for a very short amount of time. In other words, a time delay fuse disconnects the circuit only when the overcurrent persists in the line.

Fast Acting: Fast acting fuses are tripped immediately upon sensing an overcurrent or short circuit in the line. They are ideal for electronics, components, or systems that cannot withstand sudden changes in current. A fast acting fuse will not withstand a temporary overload such as one that occurs during the startup process.

Enclosure Design: The enclosed fused disconnect is protected from the elements in harsh environments via a 316 stainless steel and weatherproof enclosure with drip shield. Equipped with a gasketed hinged locking door, the disconnect switch carries a NEMA 3R rating for use in indoor or outdoor locations and protection from water, debris, corrosion, chemicals, and external ice formation. This enclosure provides protection against falling dirt, rain, sleet, snow,

windblown dust, splashing water, salt water, chemical wash down, and hose-directed water. The NEMA 3R rated enclosure provides protection from harsh element exposure including ice formation, salt spray, sulfates, and chlorine from interfering with the successful operation of the apparatus or result in wetting of live parts and wiring within the enclosure under specified conditions. This unit is compatible with wall mounting installations.

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-2P-2W-24VDC-30A-DF-BM-N3R-TD 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 2 pole camlock connectors for quick connections
- Adding heaters for cold environments
- Adding 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.



Frequently Asked Questions (FAQ)

There are no Faqs



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Links (Click on the below items to view):

- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/322118.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=aOJY5E9e33I>)
- **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>)