

MPD-DS-WML-FDS-2P-3W-120.240V-100A-DF-BM-N4X-TD

Fused Disconnect Switch, 100 Amp, 120.240V 1PH AC, 2-Pole 3-Wire, Solid Neutral, (2) Class J Time Delay Fuses, Wall Mount, NEMA 4X

Product ID: 302522



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-3W-240V-100A-DF-BM-N4X-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: Terminal Lugs, Accepts #10-#14 AWG
Line-In Orientation: Bottom Feed
Voltage (V): 120.240V AC
Phase (PH): 1-Phase
Frequency (Hz): 60 Hz (60-Cycles)
Protection Method: Fused, Class J Type Fuse
Protection Type: Time Delay Fuse
Protection Fuses: (2) Fuses, Included
Protection Ampacity: N/A
Mains Rating (Amps): 100A
Interrupting Rating: 200,000 AIC RMS @ 240V 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: -
Line-Out: N/A (Customer Provided)
Line-Out Cord Cap: N/A (Customer Provided)
Line-Out Connection: Terminal Lugs, Accepts #10-#14 AWG
Line-Out Orientation: Bottom Feed
Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door
Door: (1) Left Hinged Door w/ Pad Lockable Handle
Enclosure Material: 304 stainless steel
Enclosure Finish: Natural Metal Finish
Enclosure Type: NEMA 4X

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 98 Dead Front Switch Boards
NEMA 4X Rated for Indoor or Outdoor Use
Made in the USA

Special Orders - Special Requirements

Mount: Wall Mount

Dimensions: -

Weight: -

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.

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

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-3W-120.240V-100A-DF-BM-N4X-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 4X rated, 304 stainless steel enclosure.

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

The MPD-DS-WML-FDS-2P-3W-120.240V-100A-DF-BM-N4X-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 120.240V AC, the disconnect switch features a manual operating handle. This 2-pole, 3-wire with solid neutral disconnect carries a 200,000 AIC RMS at 240V AC interrupt rating. Two 100-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:**

- **Fast Acting:**

Enclosure Design: The disconnect switch is protected from the elements in harsh environments via a 304 stainless steel and weatherproof enclosure with drip shield. Equipped with a gasketed hinged locking door, the disconnect switch carries a NEMA 4X 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 4X 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.

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

Certification: This disconnect switch is NRTL listed to UL 98 dead front switchboards and NRTL listed for service equipment.

Customization: The MPD-DS-WML-FDS-2P-3W-120.240V-100A-DF-BM-N4X-TD can be customized to meet specific operating and power requirements. Example of customizations include:

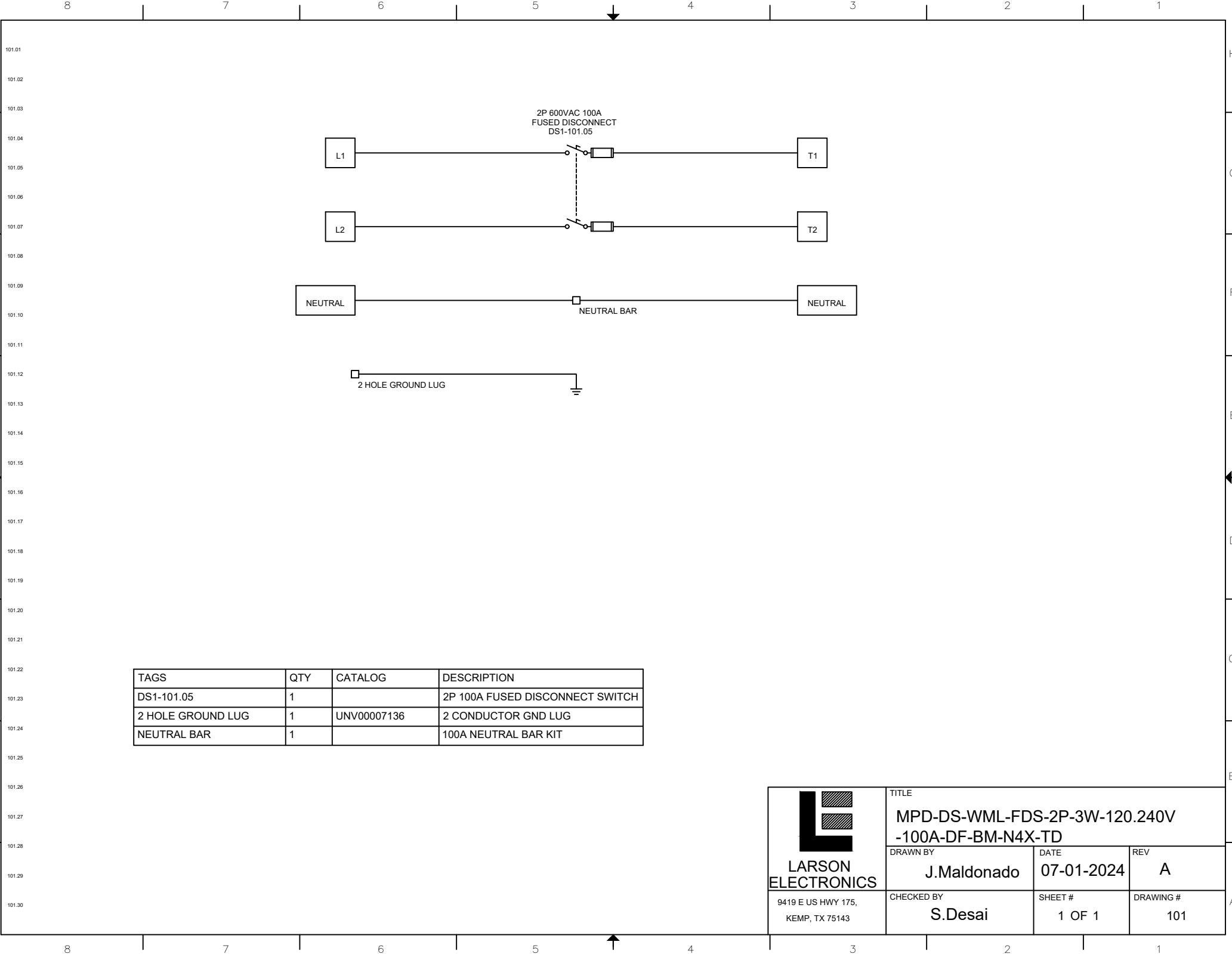
- Making the fused disconnect portable and certified to NRTL UL 1640 for portable equipment
- Adding single pole camlock connectors for quick connections
- Adding heaters for cold environments
- Adding alarm relays for trip notification down stream
- Adding powering meters

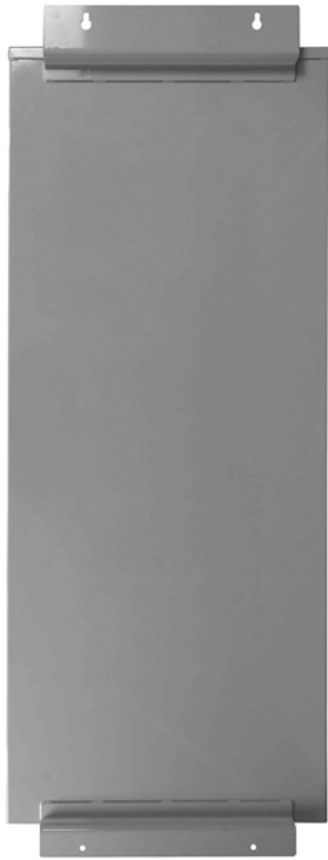
Applications: This switchgear is suitable for indoor use and applications including, but not limited to, construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

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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REV	DESCRIPTION						DATE
A	PRODUCTION RELEASE						07-01-2024
MPD-DS-WML-FDS-2P-3W-120.240V -100A-DF-BM-N4X-TD 							
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Frequently Asked Questions (FAQ)