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MPD-DS-WML-FDS-3P-3W-600V-100A-DF-BM-N4X-TD-M1

Heavy Duty Fused Safety Switch, 100 Amp, 600V 3PH AC, 3-Pole 3-Wire, (3) Class J Time Delay Fuses, Wall Mount, NEMA 4X Stainless Steel w/ Viewing Window

Product ID: 332748



Image: MPD-DS-WML-FDS-3P-3W-600V-100A-DF-BM-N4X-TD-M1

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-3P-3W-600V-100A-DF-BM-N4X-TD-M1 Disconnect Switch - Fused Disconnect

Unit Type: Heavy Duty Service Entrance Fused Safety 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): 600V AC Delta or Wye
Phase (PH): 3-Phase
Frequency (Hz): 60 Hz (60-Cycles)
Protection Method: Fused, Class J Type Fuse
Protection Type: Time Delay Fuse
Protection Fuses: (3) Fuses, Included
Protection Ampacity: N/A
Mains Rating (Amps): 100A
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: -
Ground Connection: Factory Installed Equipment Ground Lug
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

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

Form Factor: Rectangular Enclosure with Viewing Window
Door: (1) Hinged Door with Pad-Lockable Handle (Defeatable Interlock)
Enclosure Material: Stainless Steel
Enclosure Finish: Natural
Enclosure Type: NEMA 4X Rated
Viewing Window: Clear Lexan Viewing Window for Visible Blade Position
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.

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-3P-3W-600V-100A-DF-BM-N4X-TD-M1 from Larson Electronics is a Heavy Duty Power Distribution Fused Safety Switch designed for reliable, safe, and convenient power isolation at industrial work sites. Designed for wall mounting installations, this disconnect switch is protected by a NEMA 4X rated stainless steel enclosure with a sealed, non-ventilated design suitable for harsh and corrosive environments.

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

The MPD-DS-WML-FDS-3P-3W-600V-100A-DF-BM-N4X-TD-M1 service entrance safety switch provides a safe and reliable means for operators in industrial settings to disconnect and isolate power sources independently of the work area. Compatible with three-phase 600V AC Delta or Wye systems, the disconnect features a manual quick-make / quick-break operating handle. This 3-pole, 3-wire safety switch carries a 200,000 AIC RMS at 600V AC interrupt rating when equipped with Class J fuses. Three 100-amp Class J time delay fuses are included with the disconnect. The fuses are current limiting and provide short circuit and overcurrent protection.

Operation: The dead front safety switch features a lockable hinged door and external pad-lockable handle. The defeatable interlock mechanism prevents the enclosure door from being opened while the switch is in the ON position. A clear viewing window allows operators to visually verify blade position without opening the enclosure.

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 disconnect switch is protected by a 304 stainless steel enclosure with a sealed construction to prevent moisture ingress. The non-ventilated design ensures superior environmental protection and corrosion resistance.

Protective Construction: The safety switch is protected from harsh elements via a stainless steel NEMA 4X enclosure rated for indoor and outdoor use. The enclosure provides protection against hose-directed water, windblown dust, rain, sleet, corrosion, and external ice formation. This unit is suitable for washdown areas, marine environments, food processing facilities, and corrosive industrial locations.

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-3P-3W-600V-100A-DF-BM-N4X-TD-M1 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 down stream

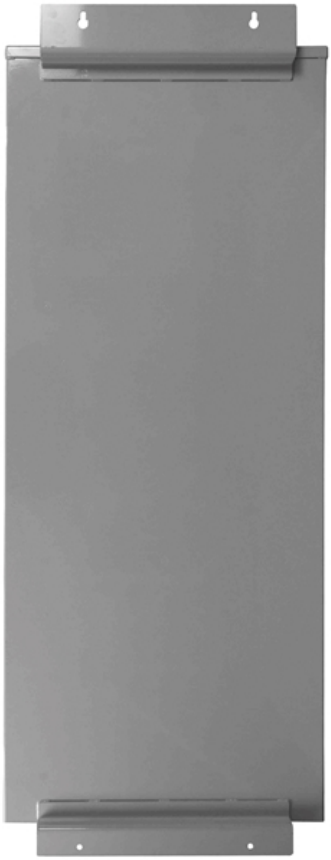
• Adding powering meters

Applications: This heavy-duty safety switch is suitable for indoor or outdoor use and applications including, but not limited to, construction sites, plant maintenance, plant turnarounds, food processing facilities, water treatment plants, marine operations, and corrosive industrial environments.

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