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MPD-DS-WML-FDS-3P-3W-15KV-600A-DF-BM-N3R-300E

Fused Disconnect Switch, 600 Amp, 15kV 3PH AC, 3-Pole 3-Wire, (3) E-Rated Current-Limiting Power Fuses (300E), Pad Mount, NEMA 3R

Product ID: 333743

Image: MPD-DS-WML-FDS-3P-3W-15KV-600A-DF-BM-N3R-300E

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-15KV-600A-DF-BM-N3R-300E Disconnect Switch - Fused Disconnect

Unit Type: Fused Disconnect Switch
Line-In: N/A (Customer Provided)
Line-In Cord Cap: N/A (Customer Provided)
Line-In Connections: Mechanical Lugs, Accepts #2 AWG Cu, 15kV MV-105, 133% Insulation
Line-In Orientation: Bottom Feed
Voltage: 13.8kV Nominal (Rated for 15kV Class)
Phase: 3-Phase
Frequency: 60 Hz (60-Cycles)
BIL Rating: 95 kV
Low Frequency Withstand Voltage: 36 kV
Protection Method: Fused, Class E Type Fuse
Protection Type: Current Limiting Power
Protection Fuses: Included, (3) 300E-Rated Fuses
Protection Ampacity: 300A
Mains Rating: 600A Continuous
Interrupting Rating: 40 kA Symmetrical (at 15kV)
Short-time Current Withstand Rating: 25 kA
Symmetrical Short-circuit Withstand Rating (Switch): 65 kA
Symmetrical Short-circuit Withstand Rating (Fuse): 50 kA
Ground Fault Relay: SEL-751A

Ratings

NRTL Listed Service Equipment
NRTL Listed to ANSI C37.42, IEEE C37.41, UL 98
NEMA 3R Rated for Indoor and Outdoor Use

Made in the USA

Trip Coil: Included – Compatible with SEL-751A for Remote Tripping

Space Heater: Included

Horsepower (Standard): N/A
Max Motor Full Load Amps Rating: N/A
Disconnect Means: Manual Operating Handle, Pad-Lockable, Remote Trip Capable via Trip Coil
Neutral Connection: -
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: Mechanical Lugs, Accepts #2 AWG Cu, MV-105
Line-Out Orientation: Bottom Feed
Form Factor: Free-standing Outdoor Enclosure
Door: Front Access with Lockable Handle, Viewing Window Included
Enclosure Material: 11GA Sheet Steel
Enclosure Finish: ANSI 61 Grey
Enclosure Type: NEMA 3R Outdoor Rated, Rodent-Proof, Ventilated
Mount: Pad Mount on Concrete Slab
Dimensions: 34"-W x 40"-D
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
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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-15KV-600A-DF-BM-N3R-300E 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 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-3P-3W-15KV-600A-DF-BM-N3R-300E 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 three-phase 15kV Class, 13.8kV Nominal (operating at ~14.1kV), the system includes a no-load, metal clad, fused switch with manual operating handle. This 3-pole, 3-wire disconnect carries a 65 kA or higher interrupt rating at 15kV, and includes three 300E-rated current-limiting power fuses.

The system also includes an SEL-751A Ground Fault Relay for advanced protection and monitoring, and a trip coil for remote tripping functionality. This combination allows for comprehensive overcurrent, ground fault protection, and remote operation capabilities, enhancing overall safety and reliability.

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 disconnect switch is protected by an outdoor, rodent-proof, 11GA steel with ANSI 49 grey finish. A ventilated design promotes natural cooling and improves performance.

Protective Construction: The disconnect switch is housed in a heavy-duty, weatherproof NEMA 3R steel enclosure with a drip shield and gasketed access door. The 11GA sheet steel enclosure is designed for outdoor pad-mount installations in harsh environments and includes rodent-proof screening, ventilated design for passive cooling, and corrosion-resistant ANSI 61 grey finish. A hinged, lockable door provides secure access to internal components, with a viewing window to verify switch position. The enclosure is suitable for sustained outdoor use and offers protection against rain, sleet, and external ice formation, while minimizing ingress of rodents and debris.

Mount: Operators can install the service entrance disconnect on a concrete pad using pad-mount brackets or bolt-down provisions, suitable for permanent outdoor installation.

Certification: This disconnect switch is NRTL listed to ANSI C37.42 / IEEE C37.41 for MV fused switches and NRTL listed for service equipment.

Customization: The MPD-DS-WML-FDS-3P-3W-15KV-600A-DF-BM-N3R-300E 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 heaters for cold environments

• Aiding alarm relays for trip notification downstream

• Adding power meters

Applications: This switchgear is suitable for Outdoor medium-voltage industrial service (e.g., substations, heavy industry)

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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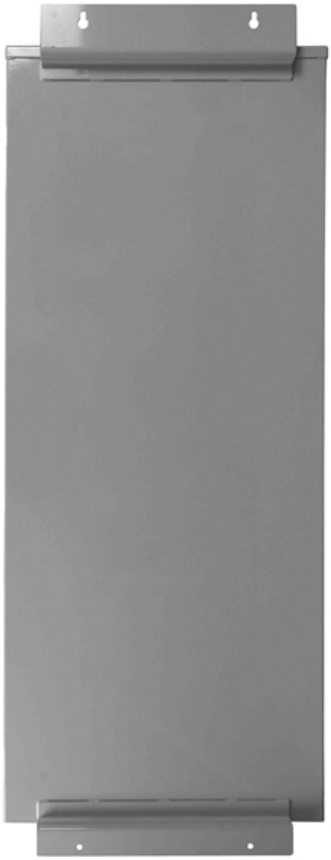

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Frequently Asked Questions (FAQ)

There are no Faqs