Larson Electronics LLC
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MPD-DS-WLM-FDS-3P-4W-38KV-600A-EF-BM-N3R-400E-M2

600A Medium Voltage Fused Visible Load Interrupter (WLI) Switch, 38KV AC, 3-Phase 4-Wire, 40kA Interrupting, (4) Class E Fuses, Wall Mounted, NEMA 3R

Product ID: 341950



Image: MPD-DS-WLM-FDS-3P-4W-38KV-600A-EF-BM-N3R-400E-M2

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-WLM-FDS-3P-4W-38KV-600A-EF-BM-N3R-400E-M2 Medium Voltage Fused Disconnect Switch

Made in the USA

Unit Type: Medium Voltage Fused Visible Load Interrupter (WLI) Switch – Service Entrance Rated

Line-In: N/A (customer provided), Terminal Lugs, Accepts 750MCM–1/0
Line-In Orientation: Bottom Feed
Voltage: 38KV AC, 3-Phase, 4-Wire
Protection Method: Fused, Class E Fuse
Protection Fuses: Included, (4) Fuses, 400A, Rated for 40kA Interrupting Duty
Protection Ampacity: 600A

Mains Rating: 600A

Interrupting Rating: 40kA @ 38KV AC

Disconnect Means: Manual via Handle

Line-Out: N/A (customer provided), Terminal Lugs, Accepts 750MCM–1/0

Line-Out Orientation: Bottom Feed

Construction
Form Factor: Rectangular, Slim-Profile Enclosure with Lockable Door
Door: (1) Left-Hinged Door with Pad-Lockable Handle
Mounting: Wall Mounted on a Fan Housing
Enclosure Material: 11GA Sheet Steel

Features of Every Assembly
Type (WLI) – Manual, Handle-Operated, Padlockable
NEMA 3R Rated for Indoor and Outdoor Use

Ratings & Approvals
NRTL Listed Medium Voltage Switchgear
Complies with ANSI C37.20.4 (Metal-Enclosed Switchgear)
Complies with ANSI C37.41 (Interrupter Switches for AC Systems)
Complies with ANSI C37.42 (Fuses and Fuse Disconnecting Switches)
Complies with NEMA Standard KS1-865C
Complies with UL 20 and Federal Specification Test Standards for Toggle Switches

Enclosure Finish: ANSI 49 Grey
Enclosure Type: NEMA 3R, Ventilated

Dimensions & Shipping
Overall Dimensions: 38 in W × 54 in H × 26 in D (estimated)
Approximate Weight: 850 lbs (estimated)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped on pallet or skid
Crated shipment available upon request
Final shipping configuration subject to approved design

Special Features
Medium Voltage Fused Visible Load Interrupter Switch, 40kA Interrupting

Special Orders – Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Customer Compliance
Final arrangements, sizes, ratings, settings, configuration, and installation details will be finalized during detailed engineering review and customer approval prior to release for manufacture.

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 applicable drawings.

Made in the USA

The Larson Electronics MPD-DS-WLM-FDS-3P-4W-38KV-600A-EF-BM-N3R-400E-M2 Power Distribution Disconnect Switch is designed for reliable, safe and convenient power distribution at industrial work sites. This 600-amp rated fused disconnect switch includes four Class E fuses. Designed for wall mounting installations, the bottom feed 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-WLM-FDS-3P-4W-38KV-600A-EF-BM-N3R-400E-M2** 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 38KV AC, 3-phase, 4-wire systems, the disconnect switch features a manual operating handle. This bottom feed disconnect carries a 40kA at 38KV AC interrupt rating. The switch comes with and accepts four Class E fuses, rated for the unit's 40kA interrupting duty.

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. A dead front cover protects operators from the fuses for safety. Operators can inspect the fuses through the dead front via a vented cover. Removing the dead front allows access to the fuses.

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 11GA sheet steel enclosure with ANSI 49 grey finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 3R rated for protection against water, moisture and debris, allowing the fused disconnect to be used in indoor and outdoor areas.

Mounting
The unit is wall mounted on a fan housing.

Certification
This disconnect switch is NRTL listed to UL 891 dead front switchboards and NRTL listed for service equipment, complying with ANSI C37.20.4, ANSI C37.41, ANSI C37.42, NEMA Standard KS1-865C, and UL 20 test standards.

Mount
Operators can mount the service entrance disconnect on the wall.

Customer Compliance
The final arrangements, sizes, ratings, settings, configuration, and installation details of this equipment will be established in accordance with detailed engineering review, applicable project documentation, and customer approval prior to manufacture.

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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