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## MPD-LES-FDS-3P3W-31-15KV-600A-BE-FM-AL-N3R-M1

# Low Profile Enclosed Switchgear, 600 Amp, 15 KV AC, 3-Phase 3-Wire, 3 IN 1 OUT, Pad Mount, Bottom Entry, Aluminum Bus, NEMA 3R

**Product ID: 332956**



Image: MPD-LES-FDS-3P3W-31-15KV-600A-BE-FM-AL-N3R-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-LES-FDS-3P3W-31-15KV-600A-BE-FM-AL-N3R-M1 Low Profile Enclosed Switchgear**

**Unit Type:** Low Profile Enclosed Switchgear, Fused Disconnect

**Line-In Connections:** 600A Loadbreak Elbow Interface

**Line-In Orientation:** Bottom Feed
**Phase:** 3-Phase
**Nominal Voltage:** 13.2/7.6 kV System
**Voltage Rating:** 15 kV AC, 3 Phase, 3 Wire

**BIL Rating:** 95 KV

**Frequency:** 60 Hz

**Protection Method:** Fused Feeders

**Protection Type:** Current-Limiting Fuses

**Protection Fuses:** (1) SMU-20 Style, 200A Max

**Bus Rating:** 600 A

**Continuous Current Rating:** 600 A

**Load Interrupting Current Rating:** 600 A (Loadbreak Switches)

**Momentary Current Rating:** 12.5 kA Symmetrical

**Make and Latch Current Rating:** 25 kA Asymmetrical

**Bus Type:** Tin-Plated Aluminum

**Bay #1 (Source Way #1 - Loop In)**

**Ratings**

Designed in Accordance with IEEE C37.74
Meets ANSI C57.12.28 Tamper-Resistant Security Requirements
NEMA 3R Rated for Outdoor Use
Made in the USA

(1) 15 kV, 600A, 3-Phase Loadbreak Switch, Deadfront, Hookstick Operable

**Bay #2 (Source Way #2 - Loop)**

(1) 15 kV, 600A, 3-Phase Loadbreak Switch, Deadfront, Hookstick Operable

**Bay #3 (Source Way #3 - Loop)**

(1) 15 kV, 600A, 3-Phase Loadbreak Switch, Deadfront, Hookstick Operable

**Bay #4 (Load Way #2 - Fused)**

(1) 15 kV, 200A Fused Way, SMU-20 Style Fuse Mountings

**Bushing Rating/Material:** 600A Loadbreak Bushings (Switch Ways), 200A Bushing Wells (Fused Way)

**Parking Stands:** Included Adjacent to Each 600A Interface

**Potential Indication:** 3-Phase Voltage Indicator w/ Test Point

**Ground Pad:** 2-Hole NEMA Ground Pad

**Control Cabinet:** Internal Compartmentalized Construction

**Space Heaters:** Not Included (Optional)

**Metering Current & Potential Transformer (CT/PT):** Not Included (Optional)

**Line-Out Connection:** 600A Elbow Interface / 200A Bushing Well

**Line-Out Orientation:** Bottom Feed

**Lifting Provisions:** Removable Lifting Tabs Included

**Form Factor:** Low Profile Pad-Mounted Enclosure w/ Lockable Doors

**Door Requirement:** Doors Elevated Minimum 2 Inches from Base

**Panel Configuration:** 3 Incoming / 1 Outgoing (fused)

**Mounting:** Pad Mount/Floor Mount

**Enclosure Material:** Mild Steel

**Enclosure Finish:** Olive Green
**Enclosure Type:** NEMA 3R, Outdoor Rated
**Dimensions:** Approx. 84″W × 30″D × 40″H
**Weight:** Approx. 1,400–1,600 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
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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 Larson Electronics MPD-LES-FDS-3P3W-31-15KV-600A-BE-FM-AL-N3R-M1 Low Profile Enclosed Switchgear is designed for reliable, safe and convenient medium voltage power distribution in utility and industrial applications. This 600 amp rated, 15 kV AC switchgear features a 3-phase, 3-wire configuration with three incoming loop switch ways and one outgoing fused ways, providing sectionalizing and transformer protection in underground distribution systems. Designed for pad-mounted installations, this bottom feed switchgear is protected by a NEMA 3R rated steel enclosure for outdoor environments.**

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

The MPD-LES-FDS-3P3W-31-15KV-600A-BE-FM-AL-N3R-M1 deadfront switchgear provides a safe and dependable method for operators in industrial, municipal and utility distribution systems to sectionalize loop feeders and protect downstream equipment. Compatible with 15 kV class systems (95 kV BIL), this unit is equipped with three 600A loadbreak loop switches and one 200A fused ways utilizing SMU-20 style current-limiting fuses. The 600A aluminum bus construction ensures reliable performance in continuous duty applications.

**Operation:** The switchgear features a deadfront, compartmentalized design with lockable doors elevated a minimum of two inches from the base. Each 600A switch way is hookstick operable for loadbreak operation, allowing loop feed sectionalizing. The fused ways provide overcurrent protection through SMU-20 fuse mountings for transformer or feeder protection. Fully insulated, separable interfaces allow safe cable terminations using 600A loadbreak elbows and 200A bushing wells. Parking stands and voltage test points are provided for safe cable management and system verification.

**Enclosure Design:** The switchgear is protected by an 11GA sheet steel enclosure with ANSI green finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 3R rated for protection against water, moisture and debris. This rating allows the fused disconnect to be used in indoor/outdoor areas.

**Certification:** Designed in accordance with IEEE C37.74 and meets ANSI C57.12.28 tamper-resistant security requirements for pad-mounted deadfront switchgear.

**Mount:** Operators can mount the service entrance switchgear on floors and flat surfaces.

**Customization:** The MPD-LES-FDS-3P3W-31-15KV-600A-BE-FM-AL-N3R-M1 can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the switchgear 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 downstream

• Adding power meters

**Applications:** This switchgear is suitable for indoor/outdoor use and applications including, but not limited to, solar equipment, 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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# Frequently Asked Questions (FAQ)

There are no Faqs