Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

## MPD-MES-FDS-3P4W-14-13.8KV-800A-FX-FM-BE-PT-CU-N3R-M1

# Metal Enclosed Switchgear, Fused Disconnect Switch, 3-Phase, 4-Bank Outdoor, 13.8kV, 800A, Fixed Mount, Bottom Entry, PT Instrumentation, Copper Bus, NEMA 3R

**Product ID: 341365**



Image: MPD-MES-FDS-3P4W-14-13.8KV-800A-FX-FM-BE-PT-CU-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-MES-FDS-3P4W-14-13.8KV-800A-FX-FM-BE-PT-CU-N3R-M2 Metal Enclosed Switchgear — Fused Disconnect Switch**

**Made in the USA**

**Unit Type:** Metal Enclosed Switchgear, Fusible Disconnect Switch Assembly, Fixed Mounted

**Configuration:** 3-Phase

**Assembly Type:** 1 Main Incoming / 4 Bank Outgoing — Single Lineup

**Nominal Voltage:** 13.8kV AC

**Continuous Current Rating:** 800A
**Mounting Style:** Fixed Type, Floor/Pad Mounted
**Cable Entry:** Bottom Entry
**Bus Material:** Copper
**Enclosure Type:** NEMA 3R, Ventilated, Weatherproof

**Bank 1 — Fused Feeder**
(1) Fused Disconnect Switch, 3-Pole, Gang-Operated
Fuses: (3) 150E Current-Limiting Fuses

**Bank 2 — Fused Feeder**
(1) Fused Disconnect Switch, 3-Pole, Gang-Operated
Fuses: (3) 200E Current-Limiting Fuses

**Bank 3 — Fused Feeder**

**Features of Every Vertical Section**
Structural Design and Anchorage Adequate to Resist 125 mph Wind Loads
Space Heaters, Thermostatically Controlled, Sized to Prevent Condensation, One per Section
Louvers with Insect/Rodent Screens and Filters
Skid-Mounted, Integral Base Frame, Weatherproof Unit
Weatherproof GFCI Duplex Receptacle

**Ratings & Approvals**
Designed in accordance with applicable ANSI and IEEE Standards for Switchgear
Service Entrance Rated
NEMA 3R Indoor/Outdoor Use
Complies with IEEE C37.20.3

(1) Fused Disconnect Switch, 3-Pole, Gang-Operated
Fuses: (3) 200E Current-Limiting Fuses

**Bank 4 — Reserved for Future Use**
(1) Fused Disconnect Switch Compartment, Unequipped, Provisioned for Future Fuse Installation

**Instrumentation**
Potential Transformers (PTs), One Set, Voltage Class Matched to System Nominal Voltage

**Construction**
Support Frame and Enclosure Base: Stainless Steel
Enclosure Finish: Munsell 5BG 7.0/0.4 Light Grey (ANSI #70)
Ventilated NEMA 3R Weatherproof Enclosure

**Dimensions & Shipping**
**Overall Dimensions:** 156 in W × 66 in D × 90 in H (estimated)
**Approximate Weight:** 3,000 lbs (estimated)
**Shipping Dimensions**: TBD
**Shipping Weight:** TBD

**Shipping**
Shipped on Pallet, Open Flatbed
Palletized on Wooden Pallet w/ Skid Pockets
Crated Shipping Available Upon Request for Additional Fee

**Special Features**
Four-Bank Fused Switchgear Lineup, Space Heaters, Weatherproof Outdoor Construction, One Bank Reserved for Future Expansion

**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

**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-MES-FDS-3P4W-14-13.8KV-800A-FX-FM-BE-PT-CU-N3R-M1 Metal Enclosed Switchgear is designed to provide reliable, weatherproof fused feeder switching and isolation for medium-voltage industrial and utility distribution applications. This fixed-mounted, floor/pad-mounted assembly features one main incoming section and four fused feeder banks, rated 800A continuous at 13.8kV nominal voltage, housed within a NEMA 3R weatherproof enclosure with integral space heaters and skid-mounted base frame construction.**

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

The **MPD-MES-FDS-3P4W-14-13.8KV-800A-FX-FM-BE-PT-CU-N3R-M1** combines gang-operated fused disconnect switching, potential transformer instrumentation, and heated weatherproof construction to deliver a complete outdoor fused feeder distribution solution for

13.8kV class systems.

**Bank 1 — Fused Feeder:**
A gang-operated, three-pole fused disconnect switch is provided, equipped with a set of three 150E current-limiting fuses.

**Bank 2 — Fused Feeder:**
A gang-operated, three-pole fused disconnect switch is provided, equipped with a set of three 200E current-limiting fuses.

**Bank 3 — Fused Feeder:**
A gang-operated, three-pole fused disconnect switch is provided, equipped with a set of three 200E current-limiting fuses.

**Bank 4 — Reserved for Future Use:**
A fourth fused disconnect switch compartment is provided unequipped, allowing for future fuse installation and feeder expansion without modification to the existing enclosure.

**Instrumentation:**
Potential transformers are provided for voltage sensing and metering compatibility, matched to the system's nominal voltage class.

**Assembly Construction:**
The switchgear is furnished as a complete four-bank fused feeder lineup incorporating the main incoming section, fused disconnect switch assemblies, potential transformer instrumentation, and space heating provisions within a single continuous enclosure with integral skid-mounted base frame.

**Construction:**
The support frame and enclosure base are fabricated from stainless steel, with a Munsell 5BG 7.0/0.4 (ANSI #70) light grey enclosure finish. The enclosure is NEMA 3R rated, ventilated, and weatherproof, with louvers equipped with insect and rodent screens and filters to permit air circulation while excluding pests and exterior dust. The assembly is structurally designed and anchored to resist loads imposed by 125 mph winds. Cable entry is arranged for bottom entry.

**Space Heating:**
Thermostatically controlled space heaters, operating at one-half or less of rated voltage, are provided in each section to prevent condensation and maintain internal temperature above the expected dew point.

**Special Features:**
Four-bank fused switchgear lineup, thermostatically controlled space heaters, weatherproof outdoor construction, and one bank reserved for future feeder expansion.

**Ratings & Approvals:**
Designed in accordance with applicable ANSI and IEEE standards for switchgear, including IEEE C37.20.3. Service entrance rated, NEMA 3R indoor/outdoor use. All grounding complies

with applicable state and local codes and NEC Section 250.

**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.

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.

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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

# Frequently Asked Questions (FAQ)

There are no Faqs