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MPD-DS-FS-FDS-3P-4W-480V-1600A-EF-BM-N3R

1600A Fused Disconnect Switch w/ Bussed Outgoing Cable Section - 480V, 3-Phase, 4-Wire, NEMA 3R

Product ID: 345091

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MPD-DS-FS-FDS-3P-4W-480V-1600A-EF-BM-N3R

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-FS-FDS-3P-4W-480V-1600A-EF-BM-N3R – Fused Disconnect Switch
Unit Type: Fused Disconnect Switch, Bolted Pressure Type

Assembly Type: Two Sections (Disconnect Section and Outgoing Cable Section), Non-Walk-In
Configuration: 3-Pole, 4-Wire

Main / Incoming
Line-In: Customer Provided
Line-In Connections: Terminal Lugs, (5) #4–500 kcmil, Mechanical
Line-In Orientation: Bottom Feed
Voltage (V): 480V AC, Delta or Wye
Phase (PH): 3-Phase
Frequency (Hz): 60 Hz

Protection
Protection Method: Fused, Class L Fuse Clips Provided
Protection Fuses: Customer Provideda
Protection Ampacity: 1600A

Mains Rating

Made in the USA

Features of Every Assembly

NEMA 3R Enclosure for Indoor/Outdoor Service
Pad-Lockable, Door-Interlocked Disconnect Handle
Insulated Groundable Neutral Kit with Bonding Strap
Class L Fuse Clips
Silver Plated Copper Bus
Bussed Outgoing Cable Section
Heater Package with Thermostat
Seismic Freestanding Construction

Ratings & Approvals
NRTL Listed to UL 891 Dead Front Switchboards
Seismic Qualified (IBC/CBC)

Mains Rating (Amps): 1600A
Interrupting Rating: 200kA @ 480V AC
Disconnect Means: Manual via Handle
Neutral Connection: Insulated Groundable Neutral Kit with Bonding Strap

Line-Out
Outgoing Section: 1600A Silver Plated Copper Bussed Outgoing Cable Section
Line-Out: Customer Provided
Line-Out Connection: Terminal Lugs, (5) #4–500 kcmil, Mechanical
Line-Out Orientation: Bottom Outgoing

Construction
Bus Material: Silver Plated Copper
Ground Bus: Silver Plated Copper, Continuous and Bonded
Door: (1) Left-Hinged Door w/ Pad-Lockable Handle on the Disconnect Section
Enclosure Material: 11GA Sheet Steel
Enclosure Finish: ANSI 49 Grey
Enclosure Type: NEMA 3R, Non-Walk-In, Flat Roof
Mounting Type: Floor Mounted

Heater Package
Control Power Transformer: Included
Space Heater: Included
Thermostat: Included
Fused Disconnect: Included

Protection & Relay Configuration
Overcurrent Protection: Class L Fuses (Customer Provided)

Dimensions & Shipping
Approximate Dimensions: 60 in W × 30 in D × 94 in H (estimated)
Section 1 (Disconnect): 30 in W × 30 in D × 94 in H (estimated)

Section 2 (Outgoing): 30 in W × 30 in D × 94 in H (estimated)

Approximate Weight: 1,500 lbs (estimated)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped on pallet or skid
Crated shipping available upon request
Final shipping configuration determined after engineering review

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 MPD-DS-FS-FDS-3P-4W-480V-1600A-EF-BM-N3R Fused Disconnect Switch is a NEMA 3R, dead-front assembly for 480V AC, 3-phase, 4-wire, 60Hz systems. It pairs a

bolted pressure switch with Class L fuse clips with a bussed outgoing cable section. It is built for facilities that need a high-capacity, fused disconnect point ahead of downstream distribution.

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

The **MPD-DS-FS-FDS-3P-4W-480V-1600A-EF-BM-N3R** is rated 1600A at 480V AC and is compatible with Delta or Wye systems. It is a bottom-fed, floor-mounted, non-walk-in assembly with a silver-plated copper bus and ground bus. An insulated groundable neutral kit with a bonding strap is included for neutral connections.

Disconnect Section
The disconnect is a 1600A, 3-pole bolted pressure switch in a bottom-fed configuration. Class L fuse clips are provided, and the fuses are supplied by customer. Mechanical line lugs are sized for the project conductors.

Operation
The dead-front disconnect has a locking door and a pad-lockable, door-interlocked operating handle for manually connecting and disconnecting power. A dead-front cover protects operators from the fuses.

Outgoing Section
A silver-plated copper bussed outgoing cable section carries the load side, with mechanical terminals sized for the project conductors and bottom outgoing.

Bus System
A silver-plated copper bus carries the switch to the outgoing section. A silver-plated copper ground bus runs continuous and bonded through each section.

Assembly Construction
The enclosure is 11GA sheet steel with an ANSI 49 grey finish, rated NEMA 3R for indoor and outdoor installation. The assembly has two sections: the disconnect section and the outgoing cable section. The disconnect switch body is NRTL listed to UL 891 dead front switchboards, and the assembly is seismic freestanding qualified.

Heater Package
A control power transformer powers a thermostatically controlled space heater through a fused disconnect, to limit condensation inside the enclosure.

Protection & Relay Configuration
No protective relays are included. Overcurrent protection is provided by the Class L fuses, supplied by customer.

Customer Compliance
This equipment is offered per the specifications and ratings detailed herein. Minor refinements to arrangement, dimensions, and installation details may be made during detailed engineering review to ensure proper fit, code compliance, and manufacturability, with any such refinements confirmed prior to manufacture.

Applications
Fused disconnect service for commercial and industrial facilities, indoor and outdoor installations that need a high-capacity switch ahead of downstream distribution, and sites that require seismic qualified equipment

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

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Export Control Classification Number (ECCN): EAR99

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