Larson Electronics LLC
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MPD-DS-FS-NFDS-3P-4W-480.277V-3000A-EF-BM-N3R

3000 Amp Non-Fused Service Disconnect Switch, 480/277V 3-Phase, 3P4W - Service Entrance Rated, Floor Mount/N3R

Product ID: 315872

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



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-NFDS-3P-4W-480.277V-3000A-EF-BM-N3R Non-Fused Disconnect Switch	Ratings
Unit Type: Service Entrance Non-Fused Disconnect Switch	NRTL Listed Service Equipment
Line-In: N/A (customer provided)	NRTL Listed to UL 891 Dead Front Switch Boards
Line-In Cord Cap: N/A (customer provided)	NEMA 3R Rated for Indoor and Outdoor Use
Line-In Connections: Terminal Lugs, Accepts (8) parallel sets of (4) #750MCM and (1) #250MCM ground conductor with Neutral (Aluminum or Copper)	Made in the USA
Line-In Orientation: Bottom Feed	
Voltage (V): 480/277V AC Delta or Wye	
Phase (PH): 3-Phase	
Frequency (Hz): 60 Hz (60-Cycles)	
Configuration: 3-pole, 4-wire	
Protection Method: Non-Fused	
Protection Type: -	
Protection Ampacity: 3000A	
Mains Rating (Amps): 3000A	
Interrupting Rating: 200 kA @ 480/277V AC	
Disconnect Means: Manual via Handle	
Neutral Connection: Insulated Groundable Neutral Kit with Bonding Strap (With Neutral)	
Line-Out: N/A (customer provided)	
Line-Out Cord Cap: N/A (customer provided)	
Line-Out Connection: Terminal Lugs, Accepts (8) parallel sets of (4) #750MCM and (1) #250MCM ground conductor with Neutral (Aluminum or Copper)	
Line-Out Orientation: Bottom Feed	
Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door	
Door: (1) Left Hinged Door w/ Pad Lockable Handle	

Enclosure Material: 11GA Sheet Steel
Enclosure Finish: ANSI 49 Grey
Enclosure Type: NEMA 3R Ventilated
Dimensions: 43"-W x 36"-D x 90"-H
Weight: 800 lb
Shipping Dimensions: 58"-W x 44"-L x 98"-H
Shipping Weight: 850 lb
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: 1-903-498-3364
E-mail: sales@larsonelectronics.com

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-FS-NFDS-3P-4W-480.277V-3000A-EF-BM-N3R from Larson Electronics is a Power Distribution Non-Fused Service Disconnect Switch that is designed for reliable, safe, and convenient power distribution at industrial work sites. Designed for floor mounting installations, the bottom feed non-fused 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-FS-NFDS-3P-4W-480.277V-3000A-EF-BM-N3R service entrance non-fused service 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 480/277V AC Delta or Wye, the non-fused service disconnect switch features a manual operating handle. This bottom feed disconnect carries a 200 kA at 480/277V AC interrupt rating. The 3-pole, 4-wire switchgear features an insulated groundable neutral kit with bond strap that is included for neutral connections.
Operation: The dead front non-fused 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.
Enclosure Design: The non-fused 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. This rating allows the fused disconnect to be used in indoor and outdoor areas.
Certification: This non-fused disconnect switch is NRTL listed to UL 891 dead front switchboards and NRTL listed for service equipment.
Mount: Operators can mount the service entrance disconnect on floors and flat surfaces.
Customization: The MPD-DS-FS-FDS-3P-4W-600V-3000A-EF-BM-N3R can be customized to meet specific operating and power requirements. Example of customizations include:
• Making the non-fused disconnect 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 down stream
• Adding powering meters
Applications: This switchgear is suitable for indoor/outdoor use and applications including, but not limited to, 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)

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