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-DS-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB

Fused Disconnect Switch – 200 Amp, 15kV AC, 3-Pole 4-Wire, Pad Mount, Gang-Operated, Visible Blade, 95kV BIL, NEMA 3R, W/ 80A Fuses

Product ID: 332712

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



Image: MPD-DS-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB

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-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB Disconnect Switch - Fused Disconnect

Unit Type: Pad-Mounted Fused Disconnect Switch, Gang Operated, Visible Break
Line-In: N/A (customer provided)
Line-In Cord Cap: N/A (customer provided)
Line-In Connections: Terminal Lugs, Accepts 500MCM–1/0 CU/AL
Line-In Orientation: Bottom Feed
Nominal Voltage: 15 KV AC, 3 Phase
Rated Voltage: 15.5 kV AC
BIL: 95 kV
No. of Poles: (3)
Wiring Configuration: 4-Wire
Phase: 3-Phase
Mains Rating: 200A
Short circuit-current: 12.5 kA rms sym., 1 sec
Rated peak withstand current: 31.5 kA peak
Insulator Type: Polymer or Porcelain (Light Grey)
HV Terminal Connection: NEMA 2-Hole or 4-Hole Pad (AL/CU)
Grounding Terminal Connection: NEMA 2-Holes
Terminal Mechanical Loading: Designed for cable terminations per IEEE C37.30 requirements

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switchboards
NEMA 3R Rated for Indoor and Outdoor Use
25 Years Minimum Useful Life

Made in the USA

Key interlock provision: Included (Optional)
Grounding rotating devices motorized and manual shafts: Included, NEMA 2-holes connection
Protection Method: External (Utility Provided)
Protection Type: Fused
Protection Fuses: 80A
Protection Ampacity: 80A
Surge Arresters: (3) Distribution Class MOV
Arrester Voltage Rating: 10 kV
MCOV: 8.4 kV
Disconnect Means: Manual via External Handle (Quick-Make/Quick-Break)
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: Terminal Lugs, Accepts 500MCM–1/0 CU/AL
Line-Out Orientation: Bottom Feed
Form Factor: Pad-Mount Enclosure w/ Lockable Door
Door: (1) Front Hinged Door w/ Utility Padlock Provision
Ambient Operating Temperature Range: -40°C to +40°C
Elevation (Altitude): 3300ft (1000 meters) Above Sea Level
IEEE 693 Seismic Performance Level: Moderate
Mounting: Pad Mounted
Enclosure Material: 11GA Sheet Steel
Enclosure Finish: ANSI 61 Grey
Enclosure Type: NEMA 3R Ventilated
Dimensions: 55.12"D x 47.24"W x 78.74"H
Weight: 4,200 lbs
Shipping Dimensions: N/A
Shipping Weight: N/A

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: 1-903-765-7664
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 Larson Electronics MPD-DS-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB Power Distribution Disconnect Switch is designed for reliable, safe and convenient medium voltage isolation at industrial facilities and utility interconnection points. This fused, gang-operated visible blade disconnect is designed for pad-mounted installations and is protected by a NEMA 3R rated steel enclosure for indoor and outdoor use.

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

The MPD-DS-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB service entrance disconnect switch provides a safe and dependable means of isolating 15kV class power systems. Rated for 15kV AC with a 95kV BIL and a continuous current rating of 200 amps, this pad-mounted disconnect features a three-pole, four-wire configuration with a manually operated, quick-make/quick-break external handle. The gang-operated visible blade mechanism provides a clear air gap for positive visual confirmation of isolation during maintenance and service operations.

Operation: This disconnect switch features a lockable front door with utility padlock provisions on the external operating handle for lock-open and lock-closed positions. The manual handle

simultaneously opens and closes all three phases to prevent single phasing. A dead-front barrier enhances operator safety, and removal of the barrier allows full access to the switch assembly for inspection and maintenance.

Enclosure Design: The disconnect switch is housed in an 11GA sheet steel enclosure with ANSI 61 grey finish. The NEMA 3R rated design protects internal components from rain, sleet, and environmental contaminants, making the unit suitable for outdoor pad-mounted utility and industrial applications.

Certification: This 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 the pad.

Customization: The MPD-DS-PM-FDS-3P-4W-15KV-200A-EF-BM-N3R-GO-VB can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the fused disconnect portable and certified to NRTL UL 1640 for portable equipment

• Adding single pad camlock connectors for quick connections

• Adding heaters for cold environments

• Aiding alarm relays for trip notification downstream

• Adding power meters

Applications: This disconnect switch 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

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/332712.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/332712.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/332712.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/332712.JPG)
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