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MPD-DS.ISX-TM-FDS-3P-3W-15KV-200A-15KVA-EF-BM-N3R-GO-VB

200 Amp Fused Disconnect Switch x 15kVA Isolation Transformer – 15kV AC, 3-Pole 3-Wire, Trailer-Mounted, DS - Gang-Operated, Visible Blade w/ Viewing Window, 95kV BIL, NEMA 3R, W/ 200A Fuses, Aluminum Enclosure

Product ID: 338010



Image: MPD-DS.ISX-TM-FDS-3P-3W-15KV-200A-15KVA-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.ISX-TM-FDS-3P-4W-15KV-200A-15KVA-EF-BM-N3R-GO-VB Disconnect Switch - Fused Disconnect

Disconnect Switch

Unit Type: Pad-Mounted Fused Disconnect Switch, Gang Operated, Visible Break w/ Viewing Window
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 Class (for 13.8 kV systems), 3 Phase
Rated Voltage: 15.5 kV AC
BIL: 95 kV
No. of Poles: (3)
Wiring Configuration: 3-Wire
Phase: 3-Phase
Mains Rating: 200A
Short circuit-current: 16 kA rms sym., 1 sec *(minimum; configurable up to 25 kA)*
Rated peak withstand current: 40 kA peak
Insulator Type: Polymer (Light Grey, High-Strength, Lightweight)
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
Key interlock provision: Included (Optional)
Grounding rotating devices motorized and manual shafts: Included, NEMA 2-holes

Ratings

NRTL Listed Service Equipment
Designed to **IEEE C37.20 / IEEE C37.30 (Medium Voltage Switchgear Standards)**
NEMA 3R Rated for Indoor and Outdoor Use
25 Years Minimum Useful Life

Made in the USA

connection
Protection Method: Internal Fused Protection
Protection Type: Fused
Protection Fuses: 200A, 15 kV Class
Protection Ampacity: 200A
Surge Arresters: (3) Distribution Class MOV
Arrester Voltage Rating: 19 kV
MCOV: 19 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: Skid-Mounted / Frame-Mounted Compact Enclosure w/ Lockable Door
Observation Window: UV-Resistant, Impact-Resistant Polycarbonate Viewing Window, Rated for 15kV Class Equipment, Providing Safe Visible Blade Verification Without Opening the Enclosure (Dead-Front Design)
Door: (1) Front Hinged Door w/ Utility Padlock Provision & Safety Interlock
Ambient Operating Temperature Range: -40°C to +50°C
Elevation (Altitude): 3300ft (1000 meters) Above Sea Level
IEEE 693 Seismic Performance Level: Moderate
Mounting: Pad Mount/Trailer Mount
Enclosure Material: Marine-Grade Aluminum (Lightweight, Corrosion Resistant)
Enclosure Finish: ANSI 61 Grey
Enclosure Type: NEMA 3R Ventilated
Dimensions: 44"D x 88"W x 98"H
Weight: 4,200 Lbs

Isolation Transformer

Phase: Three Phase to Single Phase

Frequency: 60 Hz

Capacity: 15 kVA

Primary Voltage: 3-Phase 480 V Delta

Taps: 2 x 2.5% FCAN; 4 x 2.5% FCBN

Secondary Voltage: 1-Phase 240 V

Winding Material: Aluminum

Insulation: 220°C

Temperature Rise: 150°C

Impedance (Std): -

Seismic: Yes

Sound Level: Meets NEMA ST-20 Standards

Enclosure Material: NEMA Type 3R Heavy Duty Ventilated
Finish: ANSI 61 Grey Finish
Mounting: Floor/Trailer Mount
Total Dimensions (w/ Trailer): 57'W x 102"D x 162"H
Weight: TBD
Shipping Dimensions: TBD
Shipping Weight: TBD
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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Fax: 1-903-765-7664
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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-DS.ISX-TM-FDS-3P-3W-15KV-200A-15KVA-EF-BM-N3R-GO-VB Power Distribution Disconnect Switch with Isolation Transformer 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.ISX-TM-FDS-3P-3W-15KV-200A-15KVA-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. The MPD-DS.ISX-TM-FDS-3P-3W-15KV-200A-15KVA-EF-BM-N3R-GO-VB also comes with isolation transformer with 15kVA capacity, with 480V Delta primary and 240V secondary voltage.

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/Trailer.

Customization: The MPD-DS.ISX-TM-FDS-3P-3W-15KV-200A-15KVA-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 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