

MPD-DS-PM-INT-2P-2W-2.4KV-600A-DF-BM-N3R

Load Interrupter Switch, 600 Amp, 2.4 kV AC, 2-Pole 2-Wire, Pad Mounted, NEMA 3R, Dead-Front, Fused, 100 Hz

Product ID: 327029

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



Image: MPD-DS-PM-INT-2P-2W-2.4KV-600A-DF-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-PM-INT-2P-2W-2.4KV-600A-DF-BM-N3R Load Interrupter Switch

Unit Type: Load Interrupter Switch, Dead-Front, Pad Mounted, Single-Phase, Fused

Line-In: N/A (customer provided)

Line-In Cord Cap: N/A (customer provided)

Line-In Connections: 600A Dead-Front Bushings, IEEE 386

Line-In Orientation: Front/Bottom Feed

Phase: Single Phase

Voltage Rating: 2.4 kV AC Nominal, 2.75 kV Maximum, 100Hz

BIL Rating: 45 kV

Protection Method: Load Interrupter Switch (Loadbreak Rated)

Protection Type: Fused

Protection Fuses: E-Rated Current-Limiting Power Fuses

Continuous and Interrupting Ratings: 600 A Load Switching

Short-circuit Current Rating (Asym.): 40 kA Asymmetrical Momentary / 40 kA Fault Closing

X/R Ratio: Per utility standard (typ. 10–15 at 2.4 kV)

Disconnect Means: Manual Hookstick or Handle, Visible Position Indication

Line-Out: N/A (customer provided)

Line-Out Cord Cap: N/A (customer provided)

Line-Out Connection: 600A Dead-Front Bushings, IEEE 386

Line-Out Orientation: Front/Bottom Feed

Ratings

UL Listed for service entrance equipment

NEMA certified for performance and safety standards

IEEE standards compliant for medium voltage switchgear

NEMA 3R Rated for Indoor and Outdoor Use

Rodent Proof Design

Premium Drive Rod Links

Bottom Plate Included

IBC/CBC Seismic Qualified

CSA Compliant

IEEE C37.20

IEEE C37.20.7

IEEE C37.30.3

IEEE C37.34, IEEE 386, ANSI C37.71, IEEE C57.12.28

Made in the USA

Form Factor: Dead-Front, Compartmentalized Pad-Mount Cabinet
Fuse Access: Interlocked Fuse Access Doors; Accessible Only When De-Energized
Viewing Windows: Provided for Switch Position Verification
Mounting Configuration: Pad Mount
Mounting: Pad Mounting
Enclosure Material: 11GA Standard Steel Enclosure
Enclosure Finish: ANSI 49 Grey
Enclosure Type: NEMA 3R Outdoor, Rodent-Proof, Dead-Front
Bus Material: Copper, Silver-Plated
Insulators: Epoxy Encapsulated or Cypoxy Dead-Front Insulation
Dimensions: 126"-W x 41.38"-H x 27.56"-D
Weight: 700 lbs
Shipping Dimensions: -
Shipping Weight: -

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-INT-2P-2W-2.4KV-600A-DF-BM-N3R Fused Load Interrupter Switch is engineered for safe, reliable, and efficient sectionalizing and protection of medium voltage distribution circuits. Designed specifically for 2.4 kV single-phase systems, this pad-mounted switching device is ideal for utility, transit, industrial, and substation applications requiring robust performance, dead-front construction, and enhanced operator safety. Supporting operation at 100 Hz, the unit is suitable for specialized power systems where nonstandard frequency operation is required.

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

The MPD-DS-PM-INT-2P-2W-2.4KV-600A-DF-BM-N3R Load Interrupter Switch features a manually operated loadbreak mechanism that allows operators to safely interrupt load currents up to 600 amps. The system incorporates dead-front construction, preventing operator exposure to energized components. Viewing windows provide visual confirmation of switch position, and interlocked fuse access doors ensure that E-rated medium voltage fuses can only be serviced when the switch is safely isolated.

Enclosure Design: Constructed from rugged 11-gauge steel and finished in ANSI 49 grey, the pad-mount enclosure offers long-term durability in demanding environments. The NEMA 3R rating, dust-proof roof, rodent-resistant design, and weatherproof ventilation support both indoor and outdoor operation. A bottom plate is included to protect internal components, while premium drive rod links and a mechanically robust frame ensure long-lasting, dependable switching performance. The unit meets IBC/CBC seismic qualification, making it suitable for critical infrastructure installations.

The enclosure also features a bottom plate for additional sealing and protection and is equipped with premium drive rod links to enhance mechanical performance and reliability. Built with IBC/CBC seismic qualification, the unit meets seismic safety standards for critical infrastructure.

Certification: The Load Interrupter Switch is built to meet IEEE, ANSI, and NEMA requirements for medium voltage distribution equipment. All components follow industry standards for dead-front switchgear.

Mount: Interrupter Switch is designed for pad mounting. This mounting flexibility ensures that it can be securely installed on vertical surfaces, optimizing space and accessibility in busy industrial settings.

Customization: The MPD-DS-PM-INT-2P-2W-2.4KV-600A-DF-BM-N3R Interrupter Switch can be tailored to meet specific operational requirements. Customizations may include different fuse types, additional protective features, or modifications to suit particular installation environments and power distribution needs.

Applications: This interrupter switch is suitable for a wide range of applications, including:

1. Primary and secondary disconnects for transformers.
2. Industrial and utility distribution systems.
3. Medium voltage motor controllers and switchgear setups.

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.



Frequently Asked Questions (FAQ)

There are no Fags



Image: MPD-DS-PM-INT-2P-2W-2.4KV-600A-DF-BM-N3R



Export Control Classification Number (ECCN): EAR99



Links (Click on the below items to view):

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