Larson Electronics LLC
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Product ID: 311423

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



Image:

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-SM-FDS-3P-3W-660V-160A-DF-BM-N12-AUX.2 Disconnect Switch - Fused Disconnect

Unit Type: Service Entrance Fused Disconnect Switch
Line-In: N/A (customer provided)
Line-In Cord Cap: N/A (customer provided)
Line-In Connections: Terminal Lugs
Line-In Orientation: Bottom Feed
Voltage (V): 660V AC Delta or Wye
Rated Impulse Withstand Voltage (Uimp): 8000 V AC
Rated Making Capacity Up To 690 V: 1600 A
Phase (PH): 3-Phase
Frequency (Hz): 50 Hz (50-Cycles)
Protection Method: Fused, Class L Type Fuse
Protection Type: Fast Acting Fuse
Protection Fuses: (3) Fuses, Included
Protection Ampacity: 160A
Mains Rating (Amps): 160A
Rated Conditional Short-Circuit Current (Iq): 5 kA
Rated Short-Time Withstand Current (Icw) : 3 kA, Contacts, 1 second
Short-Circuit Protection Rating: 160 A gG/gL, Fuse, Contacts
Auxiliary Contact(s): (1) NO and (1) NC
Emergency Switching Off Function: Included
Horsepower (Standard):
Max Motor Full Load Amps Rating:

Ratings

NRTL Listed Service Equipment
NRTL Listed to UL 98 Dead Front Switch Boards
NEMA 12 Rated for Indoor and Outdoor Use
Made in the USA

Disconnect Means: Manual via Red Rotary Handle
Neutral Connection: -
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: Terminal Lugs, Accepts 600MCM or 2 x 350MCM
Line-Out Orientation: Bottom Feed
Mechanical Life Time: 100,000 Operations
Switching Frequency: 50 Operations/h
Door: (1) Left Hinged Door w/ Pad Lockable Handle
Enclosure Material: 304 Stainless Steel
Enclosure Finish: Natural Metal Finish
Enclosure Type: NEMA 12
Mount: Surface Mount
Dimensions: 14.76"-W, 19.69"-D, 11.22"-H
Weight: 11.9 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 MPD-DS-SM-FDS-3P-3W-660V-160A-DF-BM-N12-AUX.2 from Larson Electronics is a Power Distribution Fused Disconnect Switch that is designed for reliable, safe, and convenient power distribution at industrial work sites. Designed for wall mounting installations, the disconnect switch is protected by three 160A class J fuses and a NEMA 12 rated, 304 Stainless 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-SM-FDS-3P-3W-660V-160A-DF-BM-N12-AUX.2 service entrance 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 660 V AC Delta or Wye, the disconnect switch features a manual operating handle. This 3-pole, 3-wire disconnect carries a 3,000 AIC RMS @ 660 V AC interrupt rating.

Operation: The dead front 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.

Time Delay vs. Fast Acting Fuses Two of the most common types of fuses found in power distribution equipment are time delay and fast acting fuses.

Time Delay: Time delay fuses are tripped once overcurrent heat builds up enough to melt the fuse element over a period of time. That period of time varies between different time delay fuses depending on the application. Time delay fuses decrease the chances of false tripping. During startup, many components require a large current for a very short amount of time. In other words, a time delay fuse disconnects the circuit only when the overcurrent persists in the line.

Fast Acting: Fast acting fuses are tripped immediately upon sensing an overcurrent or short circuit in the line. They are ideal for electronics, components, or systems that cannot withstand sudden changes in current. A fast acting fuse will not withstand a

temporary overload such as one that occurs during the startup process.

Enclosure Design: The disconnect switch is protected by a 304 Stainless Steel enclosure with Natural Metal Finish. A ventilated design promotes natural cooling and improves performance.

Certification: This disconnect switch is NRTL listed to UL 98 dead front switchboards and NRTL listed for service equipment.

Mount: Operators can mount the service entrance disconnect on walls.

Customization: The MPD-DS-SM-FDS-3P-3W-660V-160A-DF-BM-N12-AUX.2 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)

There are no Faqs

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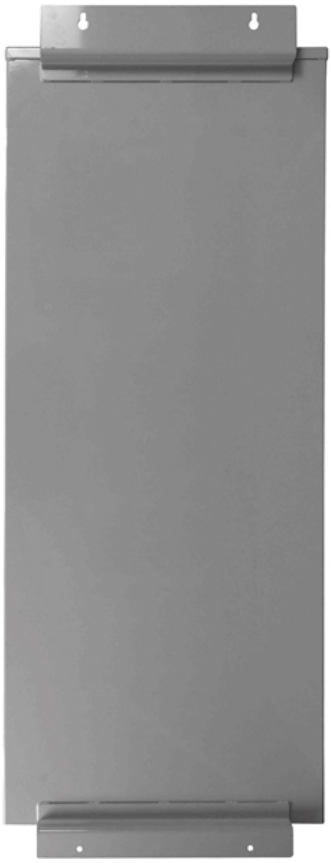


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Export Control Classification Number (ECCN): EAR99

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