Larson Electronics LLC
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## Product ID: 327681

**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-WML-NFDS-3P-3W-4.16KV-60A-DF-BM-N4X-AUX.2-M1 Disconnect Switch - Non Fused Disconnect**

**Unit Type:** Service Entrance Non Fused Disconnect Switch
**Line-In:** N/A (Customer Provided)
**Line-In Cord Cap:** N/A (Customer Provided)
**Line-In Connections:** Terminal Lugs, Accepts #10-#14 AWG
**Line-In Orientation:** Bottom Feed
**Voltage (V):** 4,160V AC
**Phase (PH):** 3-Phase
**Frequency (Hz):** 60 Hz (60-Cycles)
**Protection Method:** N/A (Customer Provided)
**Protection Type:** N/A (Customer Provided)
**Protection Ampacity:** N/A
**Mains Rating (Amps):** 60A
**Interrupting Rating:** Load-Break Rated (Up to 25,000A Available Fault Current @ 4160V AC)
**BIL Rating:** 60 kV
**Maximum Voltage Rating:** 5,000V
**Maximum Available Fault Current:** 25,000A
**Motor Load:** 300 HP @ 4160V (36A FLA)
**Application Rating:** Inverter-Duty Motor Disconnect
**Max Motor FLA Rating:** Suitable for 300 HP Inverter-Duty Motors
**Disconnect Means:** Manual via Handle
**Auxiliary Contacts:** (2) Total – (1) Normally Open, (1) Normally Closed
**Line-Out:** N/A (customer provided)

**Ratings**

NRTL Listed Service Equipment
NRTL Listed to UL 98 Dead Front Switch Boards
NEMA 4X Rated for Indoor or Outdoor Use
Made in the USA

**Line-Out Cord Cap:** N/A (customer provided)
**Line-Out Connection:** Terminal Lugs, Accepts #10-#14 AWG
**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:** 304 Stainless Steel
**Enclosure Finish:** Natural Finish
**Enclosure Type:** NEMA 4X
**Mount:** Wall Mount
**Dimensions:** -
**Weight:** -
**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-WML-NFDS-3P-3W-4.16KV-60A-DF-BM-N4X-AUX.2-M1 from Larson Electronics is a Medium Voltage Non-Fused Disconnect Switch designed for safe and reliable isolation of inverter-duty motors and equipment up to 4.16kV. Intended for wall-mount installations, this 3-pole, 3-wire disconnect is housed in a durable NEMA 4X stainless steel enclosure suitable for indoor or outdoor environments.**

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

The MPD-DS-WML-NFDS-3P-3W-4.16KV-60A-DF-BM-N4X-AUX.2-M1 provides operators with a manual means of disconnecting 4.16kV three-phase power for service entrance or maintenance applications. This non-fused, 60-amp disconnect is load-break rated and features (2) auxiliary contacts for remote indication or interlocking. The unit is suitable for isolating 300 HP inverter-duty motors at 4160V.

**Operation:** The dead front 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.

**Enclosure Design:** The disconnect switch is protected by a 304 stainless steel enclosure. A ventilated design promotes natural cooling and improves performance.

**Protective Construction:** The disconnect is protected from the elements via a stainless steel weatherproof enclosure with drip shield. Equipped with a hinged locking door, the panelboard carries a NEMA 4X rating for use in indoor or outdoor locations and protection from water, debris, corrosion, and external ice formation. This enclosure provides protection against falling rain and light ice formation. The NEMA 4X rated enclosure prevents beating rain from interfering with the successful operation of the apparatus or result in wetting of live parts and wiring within the enclosure under specified conditions. This unit is compatible with wall mounting installations.

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

**Certification:** This disconnect switch is NRTL listed to UL 98 dead front switchboards and

NRTL listed for service equipment.

**Customization:** The MPD-DS-WML-NFDS-3P-3W-4.16KV-60A-DF-BM-N4X-AUX.2-M1 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 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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**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- **HigResPic1**( https://www.larsonelectronics.com//images/product/HigResPic1/327681.JPG )
- **Video1**( https://www.youtube.com/watch?v=aOJY5E9e33I )
- **ISO 9001 Certification**( http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF )
- **Business Certificate**( https://www.larsonelectronics.com/images/pdfdocs/w9.PDF )
- **Shipping Time Map**( https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf )