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-NFDS-1P-3W-34.5KV-600A-BM-VM-HS-N4X

# Non-Fused Disconnect Switch, 600 A, 34.5 KV 3PH AC, SPST, Vertical Mount, NEMA 4X, Hook-stick Operated

**Product ID: 345237**

**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-NFDS-1P-3W-34.5KV-600A-BM-VM-HS-N4X Non-Fused Disconnect Switch**

**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 750MCM-1/0
**Line-In Orientation:** Bottom Feed
**Voltage:** 34.5 kV AC Delta or Wye
**BIL:** 200 kV
**Phase:** 3-Phase
**Frequency:** 60 Hz (60-Cycles)
**Switch Configuration:** SPST
**Protection Method:** N/A
**Protection Type:** N/A
**Protection Fuses:** N/A
**Protection Ampacity:** -
**Mains Rating:** 600 A
**Short-Circuit Rating:** 40 kA @ 34.5 kV AC
**Peak Withstand Rating:** 63 kA
**Disconnect Means:** Manual via Hook-stick
**Neutral Connection:** Insulated Groundable Neutral Kit with Bonding Strap
**Line-Out:** N/A (customer provided)
**Line-Out Cord Cap:** N/A (customer provided)
**Line-Out Connection:** Terminal Lugs, Accepts 750MCM-1/0
**Line-Out Orientation:** Bottom Feed
**Form Factor:** Rectangular, Slim-profile Enclosure w/ Lockable Door
**Door:** (1) Left Hinged Door w/ Pad Lockable Handle
**Configuration:** "V" shape
**Mounting:** Vertical Mount
**Enclosure Material:** 11GA Sheet Steel
**Enclosure Finish:** ANSI 49 Grey
**Enclosure Type:** NEMA 4X Ventilated, Channel Type Base
**Dimensions:** 60"-W x 36"-D x 96"-H
**Weight:** 1250 lbs
**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.

**Ratings**

NRTL Listed Service Equipment
NRTL Listed to UL 891 Dead Front Switch Boards
NEMA 4X Rated for Indoor and Outdoor Use
Made in the USA

**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-NFDS-1P-3W-34.5KV-600A-BM-VM-HS-N4X Power Distribution Disconnect Switch is designed for reliable, safe and convenient power distribution at industrial work sites. This non-fused disconnect switch rated for 600-amp 34.5 kV. Designed for vertical mounting installations, the bottom feed disconnect switch is protected by a NEMA 4X rated, 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-NFDS-1P-3W-34.5KV-600A-BM-VM-HS-N4X 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 34.5 kV AC Delta or Wye, the disconnect switch features a manual operating handle. This bottom feed disconnect carries a 40 kA at 34.5 kV AC interrupt rating. An insulated groundable neutral kit with bond strap is included for neutral connections.

**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. A dead front cover protects operators from the switch for safety. Operators can inspect the switch through the dead front via a vented cover. Removing the dead front allows access to the switch.

**Enclosure Design:** The disconnect switch is protected by an 11GA sheet steel enclosure with ANSI 49 grey finish. A ventilated design promotes natural cooling and improves performance. The enclosure is NEMA 4X rated for protection against water, moisture and debris. This rating allows the fused disconnect to be used in indoor and outdoor areas.

**Certification:** This disconnect switch is NRTL listed to UL 891 dead front switchboards and NRTL listed for service equipment.

**Mount:** Operators can vertically mount the service entrance disconnect on floors and flat surfaces.

**Customization:** The MPD-DS-NFDS-1P-3W-34.5KV-600A-BM-VM-HS-N4X 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 pole camlock connectors for quick connections

• Adding heaters for cold environments

• Aiding alarm relays for trip notification down stream

• Adding powering meters

**Applications:** This disconnect switch 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.

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

# Frequently Asked Questions (FAQ)

There are no Faqs