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-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO

# Vertical Break Disconnect Switch, 5000 Amp, 23000V 3PH AC, 3-Pole, Horizontal Mount, Gang Operated, Worm Gear Operated, Aluminum Contacts

**Product ID: 336456**

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



Image: MPD-DS-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO

**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-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO Vertical Break Disconnect Switch**

**Unit Type:** Service Entrance Motor Operated Air Disconnect Switch, Vertical Break, Gang Operated
**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:** Horizontal Feed
**Rated Voltage:** 23KV
**Phase:** 3-Phase
**Configuration:** 3-Pole, 3-Wire
**Frequency:** 60 Hz (60-Cycles)
**Insulators Per Pole:** 3
**Protection Method:**
**Protection Type:**
**Protection Fuses:**
**Protection Ampacity:** 5000A
**Mains Rating (Amps):** 5000A
**Short-time Withstand Rating:** 44 kA @ 38 KV AC
**Peak Withstand Rating:** 114 kA
**Disconnect Means:** Motorized

**Ratings**

NRTL Listed Service Equipment
Complies with ANSI C37.30
Complies with ANSI C37.32
Complies with ANSI C37.34
Made in the USA

**Features**

Vertical break contact arrangement
Gang operated mechanism
Worm gear operating mechanism

**Operating Mechanism:** Worm Gear Operated Handle Mechanism
**Neutral Connection:** N/A
**Insulator Rating:** Customer Specified
**Pole Spacing:** Standard Utility Spacing
**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:** Horizontal Feed
**Form Factor:** Open Air Disconnect Switch Assembly
**Live Parts Material:** Aluminum
**Bearings:** Maintenance-Free Bearings
**Terminal Pads:** High Conductivity Aluminum
**Contacts:** Vertical Break Aluminum Contacts
**Mounting Orientation::** Horizontal
**Mounting Height::** 30' (centerline of bus)
**Door:** N/A
**Enclosure Material:** N/A – Open Type Design
**Enclosure Finish:** Weather Resistant Components
**Enclosure Type:** Open Air Assembly
**Dimensions:** TBD
**Weight:** TBD
**Shipping Dimensions:** -
**Shipping Weight:** -
***Note**: To close the contact, prime the switch first with the lever and then push the button. To open the contact, push the button. It requires a minimum of 600V AC.*

**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

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.

*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-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO Vertical Break Disconnect Switch is designed for reliable, safe and convenient medium-voltage power isolation in industrial and utility distribution systems. Designed for horizontal mounting installations, this gang operated disconnect switch utilizes a worm gear operating mechanism and heavy-duty aluminum contacts for dependable performance in demanding environments.**

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

The MPD-DS-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO service entrance disconnect switch provides a safe and reliable method for isolating medium-voltage circuits during maintenance and operational procedures. Compatible with three-phase 23 KV AC systems, the disconnect switch features a manual worm gear operating mechanism for smooth opening and closing of the vertical break contacts. This horizontal mount disconnect switch carries a continuous current rating of 5000 amps and is configured in a 3-pole, 3-wire arrangement for utility and industrial power distribution applications.

**Operation:** The disconnect switch features a gang operated mechanism that allows simultaneous operation of all three poles. A worm gear drive assembly provides controlled manual operation while ensuring reliable contact engagement and separation during switching

procedures.

**Construction**: The disconnect switch is manufactured using heavy-duty aluminum current-carrying components and high-strength insulators suitable for medium-voltage service. The vertical break contact design provides visible isolation for operator safety and system verification during maintenance operations. Corrosion-resistant materials and rugged construction ensure dependable long-term performance in outdoor and industrial environments.

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

**Mounting:** Operators can install this disconnect switch in horizontal mounting configurations for substations, switchyards, utility distribution systems, and industrial facilities.

**Customization:** The MPD-DS-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO can be customized to meet specific operating and power requirements. Example of customizations include:

• Alternate mounting configurations

• Custom insulator ratings and spacing

• Silver-plated contact assemblies

• Motorized operating mechanisms

• Utility-specific terminal pad configurations

**Applications:** This 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

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




Image: MPD-DS-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO

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



Image: MPD-DS-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO



Image: MPD-DS-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO

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

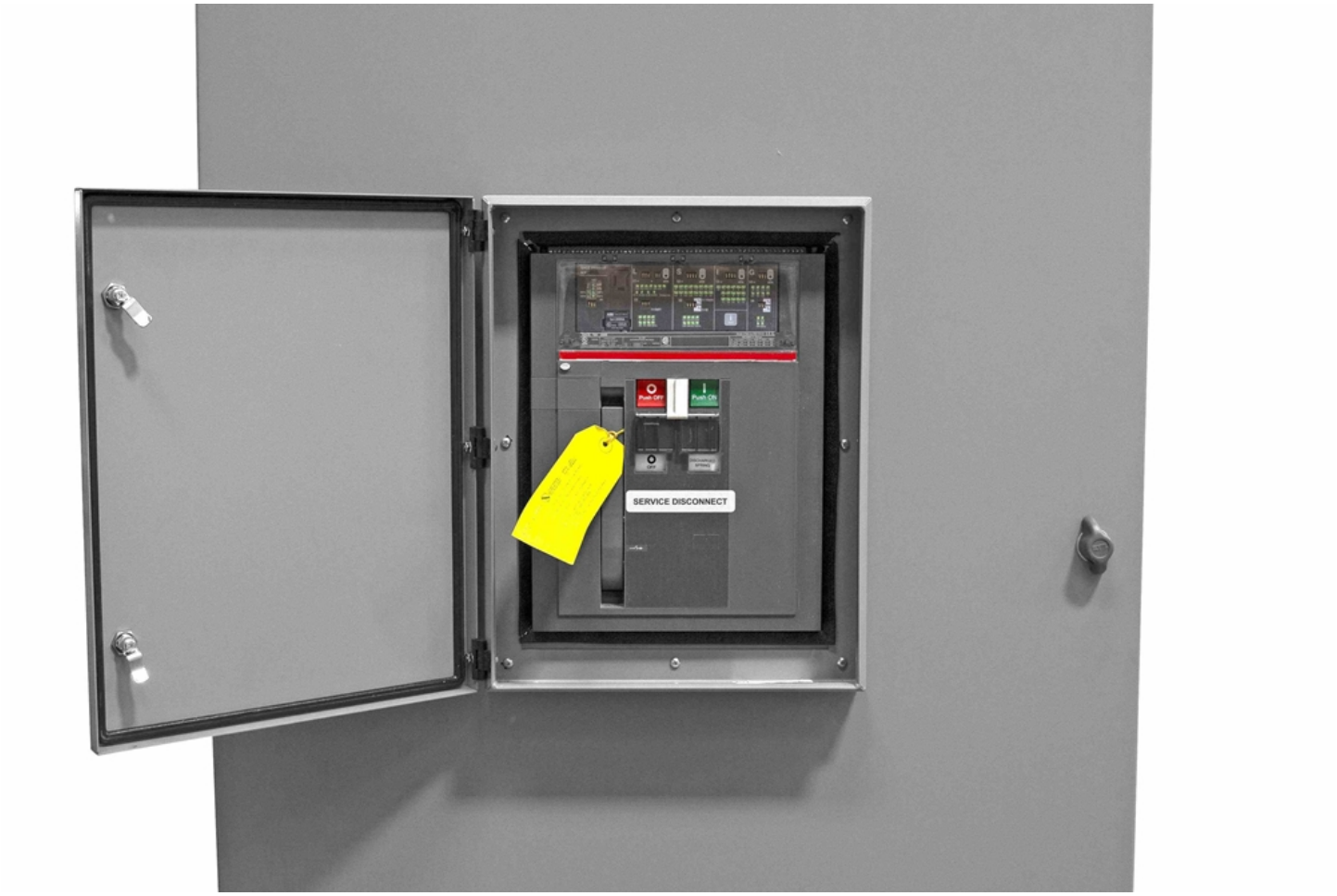



Image: MPD-DS-FS-MODS-3P-3W-23KV-5000A-EF-BM-NC-VB-HM-GO

**Export Control Classification Number (ECCN):** EAR99

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

Links (Click on the below items to view):

- **HigResPic1**( https://www.larsonelectronics.com/images/product/HigResPic1/336456.JPG )
- **HigResPic2**( https://www.larsonelectronics.com/images/product/HigResPic2/336456.JPG )
- **HigResPic3**( https://www.larsonelectronics.com/images/product/HigResPic3/336456.JPG )
- **HigResPic4**( https://www.larsonelectronics.com/images/product/HigResPic4/336456.JPG )
- **HigResPic5**( https://www.larsonelectronics.com/images/product/HigResPic5/336456.JPG )
- **HigResPic6**( https://www.larsonelectronics.com/images/product/HigResPic6/336456.JPG )
- **HigResPic7**( https://www.larsonelectronics.com/images/product/HigResPic7/336456.JPG )
- **HigResPic8**( https://www.larsonelectronics.com/images/product/HigResPic8/336456.JPG )
- **HigResPic9**( https://www.larsonelectronics.com/images/product/HigResPic9/336456.JPG )
- **HigResPic10**( https://www.larsonelectronics.com/images/product/HigResPic10/336456.JPG )
- **Video1**( https://www.youtube.com/watch?v=0oDUDpyRqko )
- **Video2**( https://www.youtube.com/watch?v=s1JxqtpYmB0 )
- **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 )