

MPD-MCS-VCB-3P3W-1-7.2KV-2000A-31.5K-DO-FM-BEBE-R.M.-CU-N1-DF-M1

Metal Clad Switchgear, Vacuum Circuit Breaker, 3-Phase 3-Wire, Single Feeder Section, 7.2kV, 2000A, 31.5kA, Draw-Out Type, Floor-Mounted, Bottom Entry/Bottom Exit, Relay + Meter, NEMA 1, Model 1

Product ID: 340121



Image: MPD-MCS-VCB-3P3W-1-7.2KV-2000A-31.5K-DO-FM-BEBE-R.M.-CU-N1-DF-M1

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-MCS-VCB-3P3W-1-7.2KV-2000A-31.5K-DO-FM-BEBE-R.M.-CU-N1-DF-M1

Metal Clad Medium Voltage Switchgear

Unit Type: Draw-Out Vacuum Circuit Breaker Switchgear, Single Vertical Section

Configuration: 3-Phase, 3-Wire, Dead Front

Assembly Type: Standalone Main Section — Metal-Clad Switchgear

Nominal Voltage: 7.2kV

Short Circuit Rating: 31.5kA Symmetrical, 4 Second

Main Bus Continuous Current: 2000A

Mounting Style: Draw-Out Type, Floor-Mounted

Cable Entry: Bottom Entry / Bottom Exit

Bus Material: Copper, Rigid Bar

Enclosure Type: NEMA 1, Dead Front

Circuit Breaker Section (Qty 1) - Material 6017230

Draw-Out Vacuum Circuit Breaker, 2000A Continuous, 31.5kA Symmetrical/4s

Protection Relay: SEPAM 1000-Series, General Feeder Protection

Protection Functions: 50, 50N, 51, 51N

Earthing Switch, Mechanically Interlocked

Visible Grounding Provisions

Protection & Relay Configuration (ANSI/IEEE Device Numbers by Model)

SEPAM 1000-Series, General Feeder Protection: 50, 50N, 51, 51N

Made in the USA

Features of Every Section

Draw-Out Vacuum Circuit Breaker Construction

Dedicated SEPAM 1000-Series Numerical Protection Relay

Dual-Core Measurement + Protection CTs

Earth Fault Protection

Front-Accessible, Freestanding Construction

Ratings & Approvals

Designed in accordance with applicable ANSI/IEEE C37 series standards, including IEEE C37.20.2 (Metal-Clad Switchgear)

Manufactured in accordance with quoted country of origin: USA
NRTL Listed Service Equipment

All grounding shall comply with applicable state and local codes and NEC requirements

Shipping

Shipped on pallet or skid

Crated shipment available upon request

Final shipping configuration subject to approved design

Construction

Draw-Out Vacuum Circuit Breaker Construction Throughout
Copper Bus, Rigid Bar, Bolted Connections
NEMA 1 Enclosure, Dead Front
Bottom Cable Entry / Bottom Cable Exit, Each Riser
Equipment offered new, original manufacture — not a replacement or reconditioned unit

Dimensions & Shipping

Overall Dimensions: 42 in W x 102 in D x 90 in H (estimated)

Approximate Weight: 1,600 lbs (estimated)

Shipping Dimensions: TBD

Shipping Weight: TBD

Special Features

Draw-Out Vacuum Breaker Construction, Dedicated Numerical Protection

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

Customer Compliance

This equipment is offered per the specifications and ratings detailed herein. Minor refinements to arrangement, dimensions, and installation details may be made during detailed engineering review to ensure proper fit, code compliance, and manufacturability, with any such refinements confirmed prior to manufacture.

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 applicable drawings.

Made in the USA

The Larson Electronics MPD-MCS-VCB-3P3W-1-7.2KV-2000A-31.5K-DO-FM-BEBE-R.M.-CU-N1-DF-M1 Metal Clad Medium Voltage Switchgear is designed to provide dependable feeder circuit protection for general-purpose medium voltage distribution applications. This fixed, floor-mounted, single-section switchgear position is housed in a NEMA 1 indoor enclosure with dead-front construction and bottom entry/bottom exit cable arrangement. Rated for 7.2kV, the assembly carries a 2000A continuous bus and a 31.5kA symmetrical, 4-second short-circuit withstand rating, and is built around draw-out vacuum circuit breaker technology with dedicated numerical protection relaying. This unit is offered as new, original manufacture — not a replacement or reconditioned assembly.

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

The MPD-MCS-VCB-3P3W-1-7.2KV-2000A-31.5K-DO-FM-BEBE-R.M.-CU-N1-DF-M1 is engineered as a standalone switchgear section, pairing draw-out vacuum breaker construction with a SEPAM 1000-series numerical protection relay and indoor floor-mounted construction to provide complete, self-contained protection for a single medium voltage feeder circuit.

Circuit Breaker Section

The assembly incorporates one draw-out vacuum circuit breaker, fixed and floor-mounted,

rated 2000A continuous at 7.2kV with a 31.5kA symmetrical, 4-second withstand rating. The breaker is protected by a SEPAM 1000-series relay providing general feeder protection, and includes a mechanically interlocked earthing switch with visible grounding provisions.

Protection & Relay Configuration

The section carries a SEPAM 1000-series relay providing general feeder protection functions (ANSI 50, 50N, 51, 51N).

Bus System

The assembly utilizes a 2000A copper bus, rigid bar construction with bolted connections, together with a copper ground bus.

Construction

The enclosure is fabricated from heavy-gauge steel, rated NEMA 1 for indoor service, with dead-front bushing arrangement and bottom entry/bottom exit cable configuration.

Special Features

This unit includes draw-out vacuum breaker construction, dedicated numerical protection relaying, and a mechanically interlocked earthing switch.

Ratings & Approvals

The assembly is designed in accordance with applicable ANSI/IEEE C37 series standards, including IEEE C37.20.2 for metal-clad switchgear. Country of origin: United States of America.

Customer Compliance

This equipment is offered per the specifications and ratings detailed herein. Minor refinements to arrangement, dimensions, and installation details may be made during detailed engineering review to ensure proper fit, code compliance, and manufacturability, with any such refinements confirmed prior to manufacture.

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 applicable drawings.

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



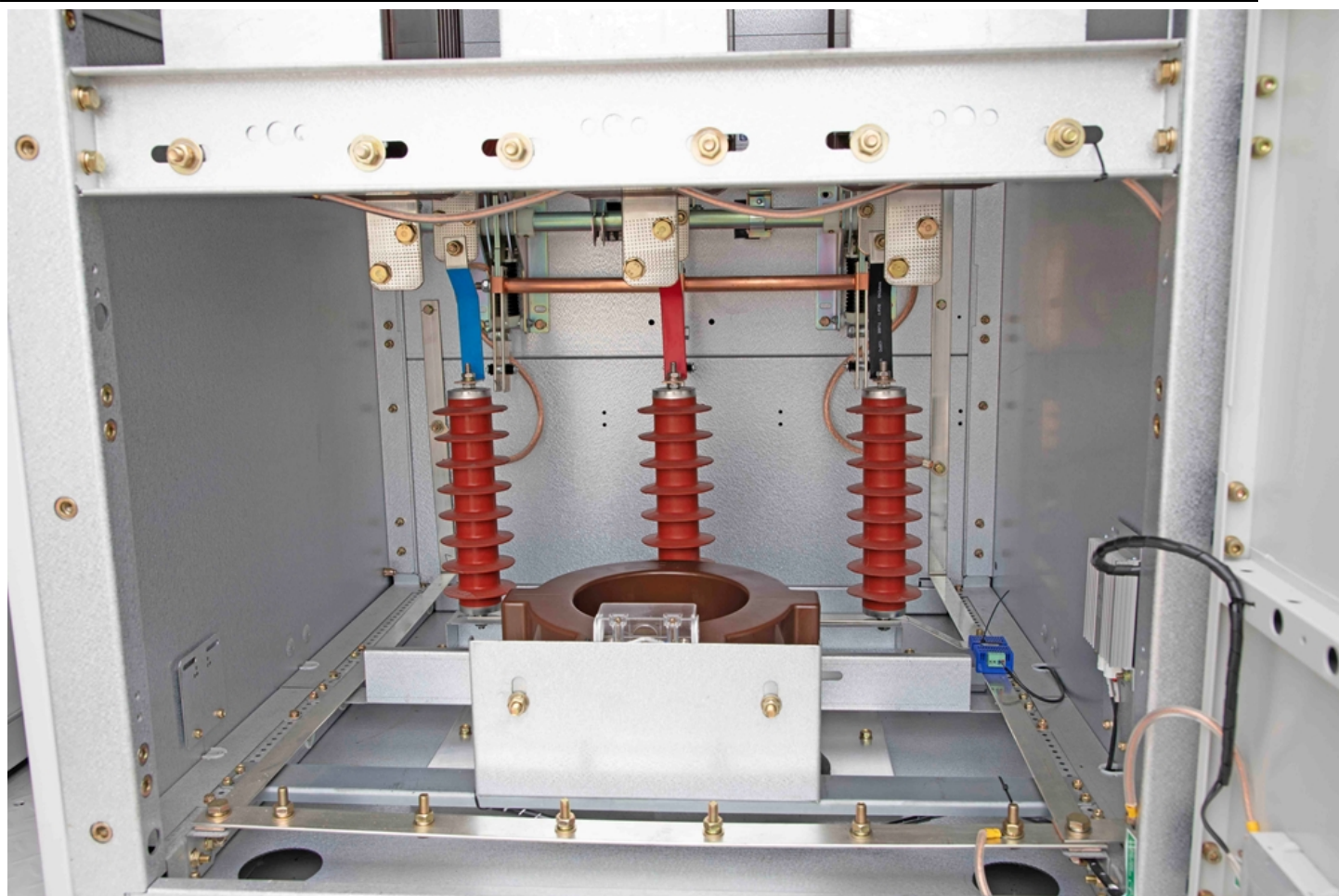
www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



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



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