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MPD-SWGR-VCB-ROF-38KV-3000A-25K-48VD

38kV Class, 3000A, 25kA, Roll-On-Floor Vacuum Circuit Breaker, 48VDC Control (ABB ADVAC38, AB4X3666XX000000)

Product ID: 346908



Image: MPD-SWGR-VCB-ROF-38KV-3000A-25K-48VD

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-SWGR-VCB-ROF-38KV-3000A-25K-48VDC — Roll-On-Floor Vacuum Circuit Breaker

Made in the USA

Unit Type: Roll-On-Floor Vacuum Circuit Breaker (ABB ADVAC38, AB4X3666XX000000)
Configuration: 3-Phase, 3-Wire

Electrical Ratings
Voltage Class: 38 kV
Maximum Tested Voltage: 40.5 kV
Frequency: 50/60 Hz
Impulse Withstand (BIL): 150 kV
Power Frequency Withstand: 80 kV
Continuous Current: 3000 A (FAC)

Short Circuit Rating: 25 kA RMS Symmetrical

Short-Time Current: 25 kA, 3 Seconds
Close & Latch: 65 kA Peak
Interrupting Time: Less than 50 ms
Closing Time: 50–80 ms

Features of Every Assembly
Roll-On-Floor Truck with Racking Interlocks
Manual Racking Truck
Dual Secondary Disconnects
Stainless Steel Ground Shoes
Smart Coil Closing and Opening Releases
Model 4 Operating Mechanism
Replacement Breaker Element for Compatible Metal-Clad Switchgear

Operation & Control

Control Power: 48 VDC (Charging Motor, Closing Coil, Opening Coil)

Operation: Manual and Electrical
Racking: Manual Truck
Secondary Disconnects: Dual
Ground Contact: Stainless Steel Ground Shoes

Ratings & Approvals
Designed and type tested in accordance with IEEE C37.04, C37.09, C37.54 and C37.55

Second Opening Coil: None
Undervoltage Release: None
Capacitive Switching: None
Mechanical Endurance: Class M2, 10,000 Operations

Dimensions & Shipping
Overall Dimensions: 31.3 in W × 19.7 in D × 34.8 in H

Approximate Weight: 681 lbs

Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped standard freight/crated per manufacturer practice
Final shipping configuration subject to manufacturer confirmation

Special Orders – Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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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

This offering covers the MPD-SWGR-VCB-ROF-38KV-3000A-25K-48VD roll-on-floor vacuum circuit breaker (ABB ADVAC38, AB4X3666XX000000), a 38kV class, 3000A, 25kA breaker element engineered as a replacement breaker for compatible metal-clad switchgear.

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

Unit Type / Configuration
The breaker is 3-phase, 3-wire, rated 38kV class / 40.5kV maximum tested voltage with a 150kV impulse withstand level, a 3000A (FAC) continuous current rating and a 25kA RMS symmetrical short-circuit interrupting rating with an interrupting time of less than 50 ms. It is a Model 4 roll-on-floor design with racking interlocks.

Control & Operation
The breaker operates from 48VDC control power for the charging motor, closing coil and opening coil, with manual and electrical operation. It includes a manual racking truck, dual secondary disconnects and stainless steel ground shoes. No second opening coil, undervoltage release or capacitive switching is included.

Ratings & Approvals
This breaker is designed and type tested in accordance with IEEE C37.04, C37.09, C37.54 and C37.55.

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.

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Frequently Asked Questions (FAQ)

There are no Faqs