

Product ID: 325880

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.

MT-ODCB-VA-R7-3P-AC-DRB-3000A-40KA-56-FX-Z-Z-N4X-M1 Outdoor Distribution Class MV Vacuum Circuit Breaker

Unit Type: MV-Vacuum Circuit Breaker, Outdoor Distribution Class, Non-grounding Type

Rated Voltage: 38 kV AC

1 min Power Frequency Withstand Voltage (Dry): 95 kV

1 min Power Frequency Withstand Voltage (Wet): 80 kV

Lightning Shock Withstand Voltage (peak): 185 kV

No. Of Poles: 3-Poles

Rated Normal Current: 3000A

Rated short-circuit breaking current: 40 KA

Rated short-time withstand current: 40 KA

Rated short-circuit duration: 4 sec.

Rated short-circuit closing current (peak): 80 KA

Rated peak withstand current: 80 KA

Rated operation sequence: O-0.3s-CO-180s-CO

Rated short-circuit current breaking times: 12 Times

Frequency: 50/60 Hz

Mechanical Endurance: 10,000 C/O

Contact opening distance: 0.87 inch

Contact over-stroke: 0.16 inch

Average opening speed: 1.57 ± 0.45 mph

Average closing speed: 3.36 ± 0.45 mph

Contact closing bounce time: ≤ 2 ms

Three-phase closing (opening) synchronous time difference: ≤ 2 ms

Ratings

NRTL Listed Service Equipment

NRTL Listed to UL 98 Dead Front Switchboards

NEMA 4X Rated for Indoor or Outdoor Use

ANSI, UL, CSA and NEMA certifications and approvals

Arc flash reduction solutions

Closed door levering and control access

Made in the USA

Opening Time: ≤ 60 ms
Closing Time: ≤ 150 ms
Operation: Manual
Optical position indicator (circuit breaker and closing spring position): Included
Auxiliary circuit rated voltage under rated operating voltage: DC110/220, AC110/220
DC resistance per phase circuit (excluding transformers): $\leq 100 \mu\Omega$
Labels: Service Entrance, Seismic Qualified (IBC/CBC)
Overcurrent Protection: Included, VS-30041 Interrupter
Padlockable Lock-off: Included
Breaker Interface: Included, Local
Enclosure Material: 11GA Sheet Steel
Enclosure Finish: RAL 7035 Light Grey
Insulating Medium: Vacuum
Installation: Fixed
Service Location: Outdoor
Maximum Daily Temperature Difference: $\leq 25^{\circ}\text{C}$
Pollution Level: Grade IV
Earthquake Intensity: ≤ 8 degrees
Wind Speed Rating: 76 mph
Altitude: $\leq 3,300\text{ft}$ Above Sea Level
Ambient Temperature Range: -40°C to $+40^{\circ}\text{C}$
Protection Degree: NEMA 4X
Dimensions: 97"-W x 19.7"-D x 94.5"-H
Weight: 1,764 Lbs
Shipping Dimensions: -
Shipping Weight: -

Special Orders - Special Requirements

Contact us for special requirements

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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 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 MT-ODCB-VA-R7-3P-AC-DRB-3000A-40KA-56-FX-Z-Z-N4X-M1 from Larson Electronics is an outdoor high-voltage AC vacuum circuit breaker that is a three-phase with a rated voltage of 38 kV, 50/60 Hz, and an external outdoor power distribution device. It is mainly used to open and close the load current, overload current and short-circuit current in the power system of the distribution network. It is suitable for protection and control in substations and power distribution systems of industrial and mining enterprises, suitable for rural power grids and frequently operated places, and especially suitable for the needs of urban and rural power grid transformation.

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

The MT-ODCB-VA-R7-3P-AC-DRB-3000A-40KA-56-FX-Z-Z-N4X-M1 service entrance circuit breaker 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 38 kV AC. This 3-pole circuit breaker carries a 3000A RMS at 38 kV AC.

Operation: All the control and signaling devices are located on the front of the circuit-breaker. Suitable locks prevent incorrect operations. The antipumping device is always provided on the

actuator.

Mount: The MT-ODCB-VA-R7-3P-AC-DRB-3000A-40KA-56-FX-Z-Z-N4X-M1 circuit breaker is a fixed type to be located in an outdoor area. The breaker is manually operated.

Certification: This MT-ODCB-VA-R7-3P-AC-DRB-3000A-40KA-56-FX-Z-Z-N4X-M1 complies with the ISO 9001 Standards, certified by an external independent organization, complies with the ISO 14001 Standards, certified by an external independent organization and OHSAS 18001 Standards

Applications: This MT-ODCB-VA-R7-3P-AC-DRB-3000A-40KA-56-FX-Z-Z-N4X-M1 is used in power distribution to control and protect lines, transformer and distribution substations, motors, transformers, capacitor banks, etc.

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.



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/HigResPic1/325880.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>)