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

## Product ID: 304951

**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-CB-VA-R7-3P-AC-DA-800A-65KA-56-WT-Z-Z-IP30-M1 Low Voltage Circuit Breaker**

**Unit Type:** LV-Vacuum Air Circuit Breaker
**Voltage (V):** 690V AC
**Rated Impulse Voltage [Uimp] :** 12 KV
**No. Of Poles:** 3-Poles
**Rated Service Breaking Capacity [Icu]:** 65 KA
**Rated Ultimate Breaking Capacity [Ics]:** 65 KA
**Rated Short-Circuit Making Capacity [Icm]:** 143 KA
**Frequency (Hz):** 50/60 Hz
**Connection Pitch:** 115 mm
**Ambient Temperature Range:** -25 °C … +70 °C
**Rated Normal Current (Amps):** 800 A
**Rated Insulation Voltage [Ui]:** 1 KV
**Sensor Rating:** 800 A
**Power Dissipation:** 100 W
**Maximum Breaking Time:** 25 ms
**Maximum Closing Response Time:** 70 ms
**Control Type:** Push-Button
**Mounting Type:** Horizontal Drawout
**Mounting Support:** Backplate/Rails
**Upside Connection:** Front/Rear
**Downside Connection:** Front/Rear
**Mechanical Durability:** 12500 cycles without maintenance, 25000 cycles with maintenance

**Ratings**

NRTL Listed Service Equipment
NRTL Listed to UL 98 Dead Front Switch Boards
IP30 Rated for Indoor or Outdoor Use
Made in the USA

**Electrical Durability:** 10000 cycles without maintenance

**Downside Connection:** Front/Rear

**Monitoring/Protection:** Micrologic C2.0 with ammeter

**Enclosure Material:** 11GA Sheet Steel

**Enclosure Finish:** RAL 7035 Light Grey

**Insulating Medium:** Vacuum air

**Protection Degree:** IP30

**Dimensions:** 17.36" W - 15.55" D - 17.28" H

**Weight:** 198.42 Lbs

**Shipping Dimensions:**

**Shipping Weight:**

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.

**Special Orders - Special Requirements**

Contact us for special requirements

**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 MT-CB-VA-R7-3P-AC-DA-800A-65KA-56-WT-Z-Z-IP30-M1 from Larson Electronics is a 690V low voltage vacuum circuit breaker, new recyclable embedded poles up to 690V, 65 kA, and 800 A C2 Class back-to-back capacitive switching and out of phase switching test compliance.**

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

The MT-CB-VA-R7-3P-AC-DA-800A-65KA-56-WT-Z-Z-IP30-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 690V AC. This 3-pole circuit breaker carries a 800A RMS at 690V 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. The withdrawable circuit breakers feature a device enabling them to be racked in/out. The nameplate, located on the front panel, enables all the circuit-breaker characteristics to be identified.

**Mount:** The MT-CB-VA-R7-3P-AC-DA-800A-65KA-56-WT-Z-Z-IP30-M1 circuit breaker is horizontal drawout type, capable of being rolled directly onto the floor. The breaker is operated by a motor-charged stored energy spring mechanism, charging of the circuit breaker is normally performed by an electric motor and in an emergency by a manual charging handle.

**Certification:** This MT-CB-VA-R7-3P-AC-DA-800A-65KA-56-WT-Z-Z-IP30-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-CB-VA-R7-3P-AC-DA-800A-65KA-56-WT-Z-Z-IP30-M1 are 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.

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

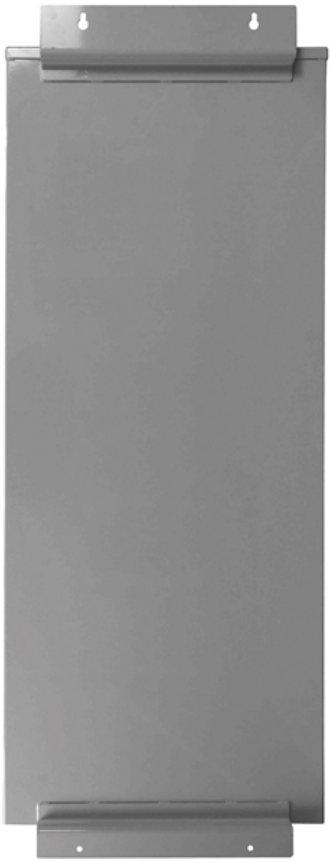

Image:

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:

Image:

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

**Product ID: 304951**

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

Links (Click on the below items to view):

- **HigResPic1**( https://www.larsonelectronics.com//images/product/HigResPic1/304951.JPG )
- **HigResPic2**( https://www.larsonelectronics.com//images/product/HigResPic2/304951.JPG )
- **HigResPic3**( https://www.larsonelectronics.com//images/product/HigResPic3/304951.JPG )
- **HigResPic4**( https://www.larsonelectronics.com//images/product/HigResPic4/304951.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 )