

Product ID: 311554

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-LTCB-SF6-R7-3P-AC-DXN-1200A-63KA-6-FM-Z-Z-N4X-M1 Live Tank Circuit Breaker Ratings

Unit Type: SF6 Circuit Breaker, Live Tank

Nominal Voltage: 230000V AC

Maximum Voltage: 245000V RMS

Rated Voltage Range Factor K: 1.0

Rated Continuous Current: 1200A

No. Of Poles: 3-Poles

Frequency (Hz): 60 Hz

Short Circuit Current at Rated Max. kV: 63 KA

Maximum Symmetrical Interrupting Current: 63 KA

3-Second Short Time Current: 63 KA

Closing and Latching Capability: 164 KA

Rated Interrupting Time (max.): 3 cycles

Rated Permissible Tripping Delay: 1 second

Control Voltage: 125VDC

Auxiliary Voltage: 120/240VAC, 60Hz, single phase

Motor Voltage: 125VDC

Space Heater: Included, 120/240Vac

Bushing Current Transformer: Included, (2) Per Bushing, 1600:5 MRBCT, C800 Accuracy

Class, 2.0 Thermal Rating Factor

Bushing Type: Composite, ANSI 61 Sky Grey

Bushing Quantity: (6) Roof Bushings

Bushing Termination: Tinned bronze, 4-hole NEMA pad terminals

Bushing Rating: 245 kV Class, 950 kV BIL

Fusing: Included, knife blade fuses for close and trip circuits

NRTL Listed Service Equipment

NRTL Listed to UL 98 Dead Front Switch Boards

Complies With IEEE C37.06-2000

Complies With ANSI/IEEE C37.04-2018

Complies With ANSI/IEEE C37.04-1999

Complies With ANSI/IEEE C57.13-1993

Complies With ASTM D 2472-00

Complies With IEEE-693

Made in the USA

Insulation Level:

Low Frequency (Dry, 1 minute): 425 kV, RMS

Impulse Withstand Crest (Full wave) : 900 kV

Switching: Included, double-pole single throw switches for the trip and close circuit isolation

Ambient Temperature Range: -40° C to +40° C

Seismic: Complies with IEEE-693

Wind Load Rating: 90 mph

Mounting: Floor mounted on a welded hot-dip galvanized steel base structure with removable legs

Lifting Eyes: Included

Ground Pads: Included, (2) bolted bronze type grounding terminals for 7#5 Copper weld conductor are provided on diagonally opposite corners of the structural frame of the high voltage

Enclosure Material: Stainless Steel

Nameplate Material: Stainless Steel

Enclosure Finish: ANSI 61 Sky Grey

Insulating Medium: SF6

SF6 Gas System: Includes pressure alarms, valves, dryers, filters and all accessories for filling, removal, operation and maintenance of the circuit breaker, Temperature compensated gas pressure gauges and gas density monitors, 1/4" tube fitting - a 37 degree AN male 7/16-20 flare type, 1" Dilo fitting (Swagelok. Manufactured) for SF6 filling, 316 stainless steel gas lines and valves (Cajon Manufactured), Two pressure switches

Hardware Material: 316 Stainless Steel

Control Cabinet Protection Degree: Weatherproof stainless steel NEMA 4X Enclosure

Service Condition: Outdoor

Dimensions: 186.3"W x 96.5"D x 177.3"H

Weight: 10,950 lbs

Shipping Dimensions: TBD

Shipping Weight: TBD

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

Toll Free: 1-800-369-6671

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-LTCB-SF6-R7-3P-AC-DXN-1200A-63KA-6-FM-Z-Z-N4X-M1 from Larson Electronics is a 245 kV class live tank SF6 circuit breaker, new recyclable embedded poles up to 245 kV, 63 kA, and 1200 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-LTCB-SF6-R7-3P-AC-DXN-1200A-63KA-6-FM-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 245000V AC. This 3-pole circuit breaker carries a 1200A RMS at 230000V 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 nameplate, located on the front panel, enables all the circuit-breaker characteristics to be identified.

Mount: The MT-LTCB-SF6-R7-3P-AC-DXN-1200A-63KA-6-FM-Z-Z-N4X-M1 circuit breaker is floor mounted. 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-LTCB-SF6-R7-3P-AC-DXN-1200A-63KA-6-FM-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-LTCB-SF6-R7-3P-AC-DXN-1200A-63KA-6-FM-Z-Z-N4X-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.



Frequently Asked Questions (FAQ)

There are no Faqs



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Export Control Classification Number (ECCN): EAR99



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- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/311554.JPG>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
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