

Product ID: 316234

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-SF6-R7-3P-AC-DMP-630A-21KA-56-FX-Z-Z-Z-M1 SF6 Medium Voltage Circuit Breaker

Unit Type: MV-SF6

Voltage: 13800V AC

Rated Impulse Voltage: 95 KV

No. Of Poles: 3-Poles

Rated Breaking Capacity I_{sc}: 21 KA

Rated Short Time Withstand Current (3 s) I_k: 21 KA

Making Capacity I_p: 63 KA

Frequency (Hz): 50/60 Hz

Absolute SF6 Gas Pressure: 380 KPa

Ambient Temperature Range: (-5°C)~(+40°C)

Rated Normal Current (Amps): 630A

MO1 shunt opening release: Included

MO2 additional shunt opening release: Included

MO3 shunt opening release with demagnetization: Included

MC shunt closing release: Included

MU undervoltage release (power supply on supply side): Included

MU undervoltage release with electronic time delay device (power supply on supply side): Included

Mechanical override of undervoltage release trip: Included

BB5 undervoltage release electric signalling (energised or de-energised): Include

Auxiliary circuit-breaker contacts: Included, Group of 15 auxiliary circuit-breaker contacts: 4 make and 5 break (alternative to the 10 provided as standard, of which a maximum of 3

Ratings

NRTL Listed Service Equipment

NRTL Listed to UL 98 Dead Front Switch Boards

Made in the USA

make and 4 break are available depending on the accessories requested

MS spring charging geared motor: Included

FB1 thermomagnetic protection of spring charging geared motor: Include

Electric signalling of springs charged: Included

Electric signalling of springs discharged: Included

Opening pushbutton lock: Included

Closing pushbutton lock: Included

Open circuit-breaker key lock: Included

RL1 operating mechanism locking magnet: Included

RL2 truck locking magnet: Included

Interlock for fixed circuit-breaker: N/A

Mechanical isolation interlock with the switchgear door: N/A

Earthing contact on the truck: N/A

Two-level pressure switch: Included

Two-level pressure switch plus SF6 control device with three LEDs: Included

Protection Relay: Included, VIP300

Insulating partitions: N/A

Mounting: Fixed in RMU

CBE Enclosure: N/A

CBE Enclosure Dimensions: N/A

CBE Enclosure Weight: N/A

CBF Fixed Part: N/A

CBF Fixed Part Dimensions: N/A

CBF Fixed Part Weight: N/A

Enclosure Material: 11GA Sheet Steel

Enclosure Finish: RAL 7035 Light Grey

Insulating Medium: SF6

Protection Degree: N/A

Dimensions: 20 15/16" W - 25 3/16" D - 25 1/32" H

Weight: 264.55 Lbs

Shipping Dimensions:

Shipping Weight:

Special Orders - Special Requirements

Contact us for special requirements

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Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

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-CB-SF6-R7-3P-AC-DMP-630A-21KA-56-FX-Z-Z-Z-M1 from Larson Electronics is a medium voltage circuit-breakers use Sulphur Hexafluoride Gas (SF6) to extinguish the electric arc and as the insulating medium. Breaking in SF6 gas takes place without any arc chopping and without generation of over voltages. These characteristics ensure long electrical life of the circuit-breaker and limited dynamic, dielectric and thermal stresses on the installation. The circuit-breaker poles, which make up the breaking part, are systems with lifelong sealed pressure (IEC 62271-100 and CEI 17-1 Standards) and are maintenance-free

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

The MT-CB-SF6-R7-3P-AC-DMP-630A-21KA-56-FX-Z-Z-Z-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 13800V AC. This 3-pole circuit breaker carries a 630A RMS at 13800V 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 with the door closed. The nameplate, located on the front panel, enables all the circuit-breaker characteristics to be identified.

Mount: The MT-CB-SF6-R7-3P-AC-DMP-630A-21KA-56-FX-Z-Z-Z-M1 is fixed mount.

Certification: This MT-CB-SF6-R7-3P-AC-DMP-630A-21KA-56-FX-Z-Z-Z-M1 complies with the ISO 9001 Standards, certified by an external independent organization. And complies with the ISO 14001 Standards, certified by an external independent organization.

Applications: This MT-CB-SF6-R7-3P-AC-DMP-630A-21KA-56-FX-Z-Z-Z-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

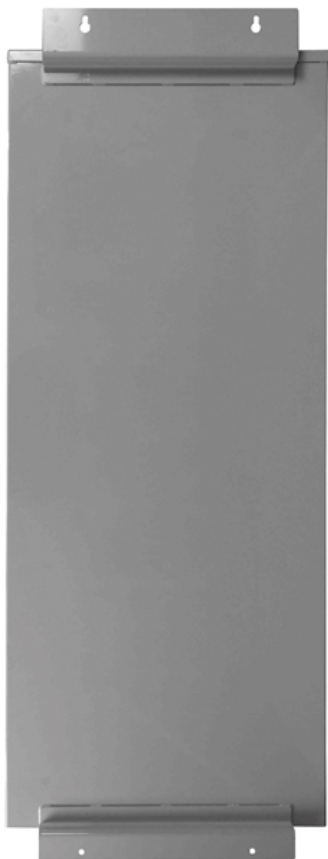


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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/316234.JPG>)
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- **HigResPic4**(<https://www.larsonelectronics.com/images/product/HigResPic4/316234.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>)
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