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Product ID: 341713

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-MCCB-R7-3P-AC-DC-800A-65KA-56-FX-Z-Z-Z-M1 Molded Case Circuit Breaker

Unit Type: Molded Case Circuit Breaker (MCCB)
Nominal Voltage: 600V AC
Rated Maximum Voltage: 600V AC
Rated Impulse Voltage: 8 kV
No. Of Poles: 3-Poles
Rated Short Circuit Withstand Current: 65 kA @ 600 V
Rated Short Time Withstand Current: 65 kA @ 600 V
Frequency: 50/60 Hz
Ambient Temperature Range: (-25°C) ~ (+70°C)
Rated Normal Current: 800 A
Frame Size: 800AF
Trip Rating: 800AT
Maximum Make Time (ms): ≤80 ms
Maximum Break Time (I < ST current) (ms): ≤70 ms
Maximum Break Time (I > ST current) (ms): ≤30 ms
Mechanical Life: 20,000 Operations
Operation Frequency: 30 Operations/Hr
Electrical Life: 10,000 Operations
Auxiliary Contacts: 4 NO + 4 NC
Protection: Long-Time (L), Short-Time (S), Instantaneous (I)
Trip Unit: Electronic LSI
Circuit Breaker Design: Fixed Molded Case Circuit Breaker

Ratings

NRTL Listed Service Equipment
IEC 60947-2 Compliant
Made in the USA

Mounting: Fixed Mount
Insulating Medium: Air
Terminal Connection: Front Connection
Operating Mechanism: Toggle Mechanism
Dimensions: TBD
Weight: TBD
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
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-MCCB-R7-3P-AC-DC-800A-65KA-56-FX-Z-Z-Z-M1 from Larson Electronics is a 600V class low-voltage Molded Case Circuit Breaker (MCCB) featuring an 800AF/800AT frame, 65 kA interrupting capacity, 3-pole fixed construction, electronic LSI trip unit, and 4NO + 4NC auxiliary contacts. This breaker is designed for industrial and commercial power distribution applications requiring dependable overload and short-circuit protection.

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

The MT-MCCB-R7-3P-AC-DC-800A-65KA-56-FX-Z-Z-Z-M1 provides a safe and reliable means of protecting low-voltage distribution systems operating up to 600V AC. Rated at 800A continuous current, this 3-pole fixed Molded Case Circuit Breaker (MCCB) is ideal for protecting feeders, motor control centers, panelboards, industrial switchboards, generators, transformers, and distribution equipment.

Operation: All operating controls and status indicators are conveniently located on the front of the breaker for easy operation and monitoring. The breaker utilizes a manual operating mechanism with an electronic LSIG trip unit providing adjustable Long-Time, Short-Time, Instantaneous, and Ground Fault protection. The included 4NO + 4NC auxiliary contacts provide remote indication, monitoring, and control functions for industrial automation and protection systems.

Mount: The MT-MCCB-R7-3P-AC-DC-800A-65KA-56-FX-Z-Z-Z-M1 is a fixed-mounted Molded Case Circuit Breaker (MCCB) designed for installation in panelboards, switchboards, motor control centers, and industrial power distribution equipment. Its compact construction and front-access terminals simplify installation and maintenance.

Certification: This MT-MCCB-R7-3P-AC-DC-800A-65KA-56-FX-Z-Z-Z-M1 is manufactured under a quality management system compliant with ISO 9001 standards and is designed in accordance with IEC 60947-2 requirements for low-voltage circuit breakers.

Applications: The MT-MCCB-R7-3P-AC-DC-800A-65KA-56-FX-Z-Z-Z-M1 is suitable for protecting electrical distribution systems, including panelboards, switchboards, motor control centers, industrial machinery, generators, feeder circuits, transformers, commercial distribution systems, and applications requiring remote electrical tripping or emergency shutdown

capability.

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

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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/HigResPic1/341713.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)