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MT-ACB-R7-3P-AC-DA-4000A-65KA-56-FX-Z-Z-Z-M2

Air Circuit Breaker, 4000 Amp, 690V AC, 3-Pole, Fixed Type, 65 kAIC, LSI Trip Unit, Shunt Trip, 4NO/4NC Auxiliary Contacts, 50/60 Hz

Product ID: 339437



Image: MT-ACB-R7-3P-AC-DA-4000A-65KA-56-FX-Z-Z-Z-M2

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-ACB-R7-3P-AC-DA-4000A-65KA-56-FX-Z-Z-Z-M2 Air Circuit Breaker

Unit Type: LV Air Circuit Breaker
Nominal Voltage: 690V AC
Rated Maximum Voltage: 690V AC
Rated Impulse Voltage: 12 KV
No. Of Poles: 3-Poles
Rated Short Circuit Withstand Current: 65 kA @ 690 V
Rated Short Time Withstand Current: 65 kA @ 690 V
Frequency: 50/60 Hz
Ambient Temperature Range: (-15°C) ~ (+50°C)
Rated Normal Current: 4000 A
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
Shunt Trip Release: Included
Shunt Trip Voltage: 110–240 VAC/DC (or per customer requirement)
Locking Contact: 1 NO (Locking)
Auxiliary Contacts: 4 NO + 4 NC
Protection: Long-Time (L), Short-Time (S), Instantaneous (I)

Ratings

NRTL Listed Service Equipment
Complies with IEEE C3.7.13
Made in the USA

Trip Unit: Electronic LSI
Circuit Breaker Design: Fixed Air Circuit Breaker
Mounting: Fixed Mount
Insulating Medium: Air
Terminal Connection: Front Connection
Operating Mechanism: Stored Energy Spring 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-ACB-R7-3P-AC-DA-4000A-65KA-56-FX-Z-Z-Z-M2 from Larson Electronics is a 690V class low-voltage Air Circuit Breaker (ACB) featuring a 4000AF/4000AT frame, 65 kA interrupting capacity, 3-pole fixed construction, electronic LSI trip unit, integrated shunt trip release, locking NO contact, and 4NO + 4NC auxiliary contacts This breaker is designed for heavy-duty 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-ACB-R7-3P-AC-DA-4000A-65KA-56-FX-Z-Z-Z-M2 provides a safe and reliable means of protecting low-voltage distribution systems operating up to 690V AC. Rated at 4000A continuous current, this 3-pole fixed Air Circuit Breaker is ideal for use as a main incoming breaker or feeder protection device in switchboards, motor control centers, switchgear, generator systems, and industrial distribution equipment.

Operation: All operating controls and status indicators are conveniently located on the front of the circuit breaker for easy access and monitoring. The stored-energy spring operating mechanism provides fast opening and closing performance, while integrated mechanical interlocks and locking provisions help prevent unintended operation. The electronic LSI trip unit provides adjustable Long-Time, Short-Time, and Instantaneous protection for optimum coordination. An integrated shunt trip unit enables remote electrical tripping from emergency shutdown circuits, fire alarm systems, or supervisory control systems. A locking normally open (NO) contact and 4NO + 4NC auxiliary contacts provide remote indication, interlocking, and control capabilities.

Mount: The MT-ACB-R7-3P-AC-DA-4000A-65KA-56-FX-Z-Z-Z-M2 is a fixed-mounted Air Circuit Breaker intended for installation within low-voltage switchgear or power distribution assemblies. The breaker utilizes a stored-energy spring mechanism and front-access terminals for simplified installation and maintenance.

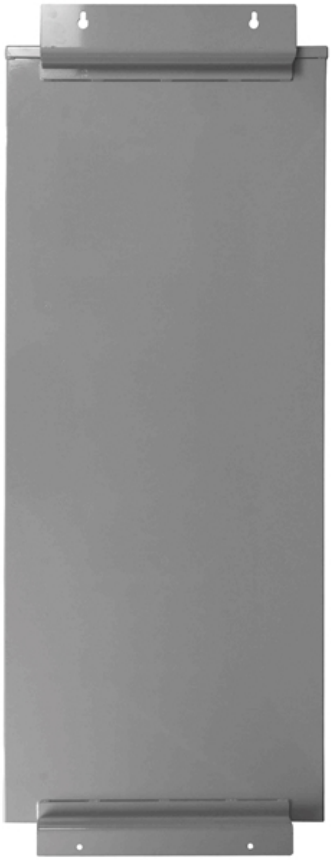
Certification: This MT-ACB-R7-3P-AC-DA-4000A-65KA-56-FX-Z-Z-Z-M2 is manufactured under a quality management system compliant with ISO 9001 standards and is designed in accordance with IEC 60947-2 requirements for low-voltage circuit breakers.

Applications: The MT-ACB-R7-3P-AC-DA-4000A-65KA-56-FX-Z-Z-Z-M2 is suitable for protecting and controlling electrical power distribution systems, including main switchboards, industrial facilities, generator systems, transformer secondary distribution, motor control centers, and critical feeder circuits.

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