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MT-MCCB-VA-R7-1P-DC-12VDC-125A-DR-Z-Z-IP20-M1

Molded Case Circuit Breaker, 125 Amp, 12V DC, 1-Pole, Thermal-Magnetic Trip Unit, DIN Rail Mount

Product ID: 341232



Image: MT-MCCB-VA-R7-1P-DC-12VDC-125A-DR-Z-Z-IP20-M1

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-VA-R7-1P-DC-12VDC-125A-DR-Z-Z-IP20-M1 Molded Case Circuit Breaker

Unit Type: Molded Case Circuit Breaker (MCCB)
Nominal Voltage: 12V DC
Rated Maximum Voltage: 12V DC
Rated Normal Current: 125 A
Trip Type: Fixed Thermal, Fixed Magnetic
Circuit Breaker Type: EG or Equivalent
Circuit Breaker Frame Type: Complete Breaker
Frame: EG or Equivalent
Terminal Connection: Line & Load Mechanical Lugs
Frequency Rating: N/A (DC)
Number of Poles: Single-Pole
Mounting: DIN Rail for Mounting in Enclosure
Protection: Thermal-Magnetic
Operating Mechanism: Toggle Mechanism
Dimensions: 2.99" L × 5.50" H × 1.00" W
Weight: 1.1 lb
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.

Ratings

UL 489 Listed
Suitable for Low Voltage DC Applications
Suitable for Marine & Industrial DC Power Distribution

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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E-mail: sales@larsonelectronics.com

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electrical Code section 250

Made in the USA

The MT-MCCB-VA-R7-1P-DC-12VDC-125A-DR-Z-Z-IP20-M1 from Larson Electronics is a 12V DC Molded Case Circuit Breaker (MCCB) featuring a 125A continuous current rating, 1-pole fixed construction, thermal-magnetic trip mechanism, standard line and load terminals, and DIN rail mounting capability. This breaker is designed to provide dependable overcurrent and short-circuit protection for low-voltage DC power distribution and industrial control systems.

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

The MT-MCCB-VA-R7-1P-DC-12VDC-125A-DR-Z-Z-IP20-M1 provides a safe and reliable means of protecting 12V DC electrical systems from overloads and short circuits. Rated at 125A continuous current, this 1-pole fixed Molded Case Circuit Breaker (MCCB) is suitable for use in battery energy storage systems, telecommunications equipment, DC control panels, industrial automation systems, backup power systems, low-voltage distribution equipment, and other DC-powered applications. The breaker is supplied with standard line and load terminals and a DIN rail mounting arrangement for convenient installation within electrical enclosures.

Operation: All operating controls and status indicators are conveniently located on the front of the breaker for simple operation and monitoring. The breaker utilizes a manual toggle operating mechanism with a thermal-magnetic trip unit that automatically disconnects the circuit during overload or short-circuit conditions, helping to protect connected equipment and wiring.

Mount: The MT-MCCB-VA-R7-1P-DC-12VDC-125A-DR-Z-Z-IP20-M1 is a fixed-mounted Molded Case Circuit Breaker (MCCB) designed for DIN rail installation within industrial control panels and electrical enclosures. Its compact design and standard mechanical terminals allow for quick installation and easy maintenance in low-voltage DC systems.

Certification: This MT-MCCB-VA-R7-1P-DC-12VDC-125A-DR-Z-Z-IP20-M1 is UL 489 Listed and is designed to meet applicable requirements for molded case circuit breakers used in low-voltage DC power distribution and industrial control applications

Applications: The MT-MCCB-VA-R7-1P-DC-12VDC-125A-DR-Z-Z-IP20-M1 is suitable for protecting battery banks, DC power supplies, renewable energy systems, telecommunications equipment, industrial automation panels, UPS systems, emergency backup power systems, low-voltage DC distribution panels, and other 12V DC electrical circuits requiring reliable overload and short-circuit protection

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