BTB ELECTRIC

INSTRUCTIONS FOR USING

Miniature Circuit Breaker



MA63
MA125
Series

MCB manufactured according to IEC60898-1 standard
MCB manufactured according to IEC60947-2 standard

⚠ Be sure to read the manual and follow all safety precautions before using the product.

⚠ This manual should be given to the person who will actually use the product and be responsible for its maintenance.

1. Key Features

- Rated Voltage: 240/415V
- Rated Current: 6, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125A
- Breaking Capacity: Icu=Ics =6kA or Icu=10kA, Ics=7.5kA
- Type: B, C, D curve
- Applications: Residential, commercial, industrial

2. Installation

1. Preparation:
   - Ensure power supply is disconnected before installation.
   - Verify the MCB rating matches the circuit requirements.
2. Mounting:
   - Place the MCB on the DIN rail in the distribution board.
   - Ensure it is securely fixed and aligned.
3. Wiring:
   - Connect the incoming (supply) wires to the top terminals and the outgoing (load) wires to the bottom terminals.
   - Tighten screws securely to ensure proper electrical contact.

3. Operation

1. Switching On:
   - Push the toggle lever to the "ON" position to power the circuit.
2. Switching Off:
   - Push the toggle lever to the "OFF" position to isolate the circuit.
3. Tripping:
   - The MCB will trip automatically during overcurrent or short-circuit conditions.
   - Inspect and resolve the fault before resetting.

4. Safety Guidelines

- Always ensure the circuit is de-energized before working on the MCB.
- Use an MCB within its specified voltage and current limits.
- Avoid exposure to moisture, dust, or corrosive environments.

5. Troubleshooting

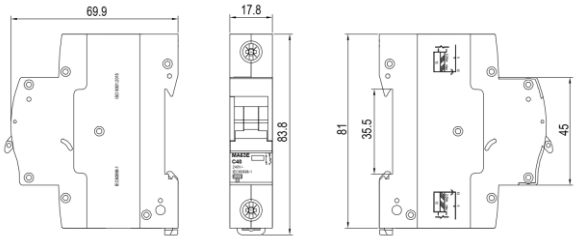
Issue	Possible Cause	Solution
MCB does not power on	Loose or incorrect wiring	Check and tighten connections
Frequent tripping	Overload or short circuit	Reduce load, inspect circuit
Lever stuck	Internal damage	Replace the MCB

6. Maintenance

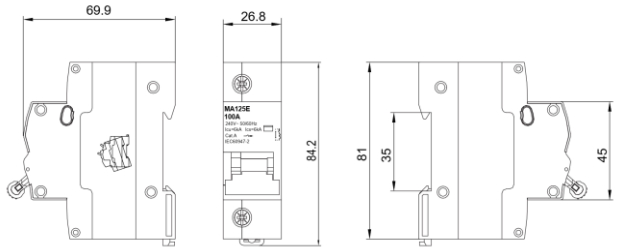
- Periodically inspect for signs of wear, overheating, or damage.
- Test the MCB trip mechanism by pressing the test button (if available).

7. Dimension

Frame 63A



Frame 125A



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