BTB ELECTRIC

INSTRUCTIONS FOR USING

# Residual Current Circuit Breaker with Overcurrent

MO32
MO63
NO63
Series

RCBO manufactured according to IEC61009-1 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: 230/240V
- Rated Current: 6, 10, 16, 20, 25, 32, 40, 50, 63A
- Residual Current Rating: 30mA
- Breaking Capacity: 6kA
- Type: B, C curve
- Applications: Residential, commercial, industrial

## 2. Installation

1 Preparation:

- Ensure the power supply is disconnected before installation.
- Verify the RCBO rating matches the circuit requirements (voltage, current, and residual current sensitivity).

2 Mounting:

- Place the RCBO on a standard DIN rail in the distribution board.
- Ensure the RCBO is securely fixed and aligned with other devices.

3 Wiring:

- Connect the incoming (supply) wires to the top terminals of the RCBO.
- Connect the outgoing (load) wires to the bottom terminals.
- For circuits requiring neutral protection, connect the neutral wire to the RCBO's neutral terminal.
- Tighten screws securely to ensure proper electrical contact.

## 3. Operation

1 Switching On:

- Push the toggle lever to the "ON" position to energize the circuit.

2 Switching Off:

- Push the toggle lever to the "OFF" position to isolate the circuit.

3 Tripping:

- The RCBO will automatically trip during overcurrent, short-circuit, or residual current faults.
- Inspect and resolve the fault before resetting the RCBO.

## 4. Safety Guidelines

- Always de-energize the circuit before working on the RCBO or associated wiring.
- Use the RCBO only within its specified voltage, current, and residual current limits.
- Avoid installing the RCBO in areas exposed to moisture, dust, or corrosive environments.
- Do not tamper with or bypass the RCBO's safety mechanisms.

## 5. Troubleshooting

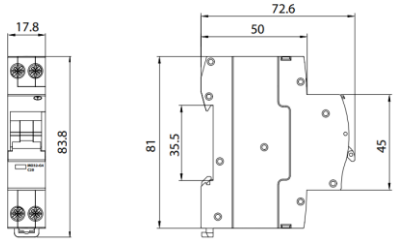
| Issue | Possible Cause | Solution |
|---|---|---|
| RCBO does not power on | Loose or incorrect wiring | Check and tighten connections |
| Frequent tripping | Overload or short circuit | Reduce load, inspect circuit |
| Trips without load | Faulty appliance or leakage | Disconnect appliances and test |
| Lever stuck | Internal damage | Replace the RCBO |

## 6. Maintenance

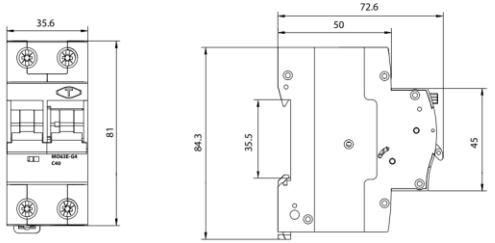
- Periodically inspect the RCBO for signs of wear, overheating, or damage.
- Test the RCBO's trip mechanism by pressing the test button (if available) to ensure proper operation.
- Clean the RCBO and the distribution board area to prevent dust or debris buildup.Periodically inspect for signs of wear, overheating, or damage.

## 7. Dimension

Frame 32




Frame 63




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