

Schneider Electric QOB370

Schneider Electric QOB370 Miniature Circuit Breaker Instruction Manual

Model: QOB370

1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of the Schneider Electric QOB370 Miniature Circuit Breaker. Please read this manual thoroughly before installation or use to ensure proper function and safety.

2. SAFETY INFORMATION

WARNING: Risk of electric shock or electrocution. Installation, servicing, and maintenance of this device must be performed by qualified and licensed electrical personnel only. Failure to follow these instructions can result in serious injury or death.

- Always disconnect power at the main service panel before working on or near electrical equipment.
- Use appropriate personal protective equipment (PPE).
- Ensure all wiring complies with national and local electrical codes.
- Do not operate the circuit breaker if it appears damaged.

3. PRODUCT OVERVIEW

The Schneider Electric QOB370 is a 3-pole miniature circuit breaker designed for circuit protection in various electrical applications. It features a 240-volt rating and a 70-amp current capacity, providing reliable overload and short-circuit protection.

Key Features:

- 240-volt, 70-amp rating
- 3-pole configuration
- Designed for motor circuit protection
- Standard circuit breaker type

Components:



Figure 1: Schneider Electric QOB370 Miniature Circuit Breaker

This image displays the Schneider Electric QOB370 Miniature Circuit Breaker. Visible components include the three upper terminals for electrical connection, the ON/OFF toggle switch with 'I/ON' (ON) and 'O/OFF' (OFF) indicators, the '70' ampere rating, and '10 kA 240V~' interruption rating. The Square D logo is also visible.

The circuit breaker features screw terminals for secure wire connections and a clearly marked toggle switch for manual operation. The ampere rating and voltage specifications are prominently displayed on the device face.

4. SETUP AND INSTALLATION

Installation of the QOB370 circuit breaker should only be performed by a qualified electrician in accordance with all applicable electrical codes and standards.

Installation Steps (General Guidance):

1. **Power Disconnection:** Ensure all power to the electrical panel or load center is completely disconnected and verified with a voltage tester.
2. **Mounting:** The QOB370 is designed for wall mount applications within an appropriate electrical enclosure. Secure the breaker firmly in its designated slot or mounting position.
3. **Wiring:** Connect the appropriate electrical conductors to the terminals of the circuit breaker. Ensure proper torque is applied to the terminal screws as specified by local codes or manufacturer guidelines.
4. **Verification:** Double-check all connections for tightness and correct polarity.
5. **Power Restoration:** Once installation is complete and verified, restore power to the electrical panel.

Refer to the specific wiring diagram of your electrical panel for precise connection details.

5. OPERATING INSTRUCTIONS

The QOB370 circuit breaker provides manual control and automatic protection for electrical circuits.

Turning the Breaker ON/OFF:

- To turn the circuit ON, push the toggle switch firmly to the 'I/ON' position.
- To turn the circuit OFF, push the toggle switch firmly to the 'O/OFF' position.

Automatic Tripping and Resetting:

In the event of an overload or short circuit, the QOB370 circuit breaker will automatically trip to protect the circuit. When tripped, the toggle switch will move to an intermediate position, typically between ON and OFF, or fully to the OFF position depending on the trip mechanism.

1. **Identify Cause:** Before resetting, identify and correct the cause of the trip (e.g., unplug overloaded devices, fix short circuits).
2. **Reset:** To reset a tripped breaker, first push the toggle switch firmly to the full 'O/OFF' position, then push it to the full 'I/ON' position.
3. If the breaker immediately trips again, do not attempt to reset it repeatedly. There is likely a persistent fault that requires professional attention.

6. MAINTENANCE

The Schneider Electric QOB370 Miniature Circuit Breaker is designed for minimal maintenance. Regular visual inspections are recommended.

- **Visual Inspection:** Periodically inspect the breaker for any signs of physical damage, discoloration, or loose connections. Ensure the area around the breaker is free from dust and debris.
- **Cleaning:** If cleaning is necessary, ensure power is disconnected from the circuit breaker. Use a dry, soft cloth to gently wipe the exterior. Do not use liquid cleaners or solvents.
- **Internal Components:** There are no user-serviceable parts inside the circuit breaker. Do not attempt to open or repair the unit.

7. TROUBLESHOOTING

If you experience issues with your QOB370 circuit breaker, refer to the following common troubleshooting steps. Always ensure power is disconnected before investigating electrical issues.

Common Issues:

- **Breaker Trips Frequently:**
 - *Overload:* Too many devices are connected to the circuit, drawing more current than the breaker's rating. Reduce the load on the circuit.
 - *Short Circuit:* A direct connection between live and neutral/ground wires. This is a serious fault and requires immediate attention from a qualified electrician.
 - *Ground Fault:* Current leaking to the ground. This also requires professional diagnosis.
 - *Faulty Appliance:* A defective appliance connected to the circuit may be causing the trip. Unplug all devices and plug them back in one by one to identify the faulty item.
- **Breaker Does Not Reset:**
 - If the breaker does not reset after being pushed to the full OFF position and then to ON, a persistent fault (short circuit, severe overload) likely exists. Do not force the breaker.
 - The breaker itself may be damaged.

If troubleshooting steps do not resolve the issue, or if you are unsure about any electrical problem, contact a qualified electrician for assistance.

8. SPECIFICATIONS

Attribute	Value
Brand	Schneider Electric
Model Number	QOB370
Current Rating	70 Amps
Voltage	240 Volts
Number Of Poles	3
Circuit Breaker Type	Standard
Mounting Type	Wall Mount
Material	Copper
Item Weight	4.36 pounds
Product Dimensions	8.7 x 7.4 x 5.7 inches
UPC	785901019749
Manufacturer	SCHNEIDER ELECTRIC

9. WARRANTY AND SUPPORT

The Schneider Electric QOB370 Miniature Circuit Breaker comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For technical support, warranty claims, or further assistance, please contact Schneider Electric customer service or visit their official website. Always provide your product model number (QOB370) and purchase details when seeking support.

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