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- › [SCHNEIDER ELECTRIC](#) /
- › SCHNEIDER ELECTRIC Miniature Circuit Breaker QO130 User Manual

## SCHNEIDER ELECTRIC QO130

# SCHNEIDER ELECTRIC QO130 Miniature Circuit Breaker User Manual

Model: QO130 | Brand: SCHNEIDER ELECTRIC

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of the SCHNEIDER ELECTRIC QO130 Miniature Circuit Breaker. Designed for 120/240-Volt systems and rated at 30 Amps, this circuit breaker ensures protection for your electrical circuits by automatically interrupting the flow of electricity during overloads or short circuits.



Figure 1: Front view of the SCHNEIDER ELECTRIC QO130 Miniature Circuit Breaker, showing the toggle switch in the 'ON' position and the '170' marking.

## Key Features:

- Miniature Circuit Breaker for 120/240-Volt systems.
- 30-Amp current rating for reliable circuit protection.
- Designed by SCHNEIDER ELECTRIC, a leader in energy management.
- Standard circuit breaker type with 3 poles.
- Durable copper material construction.

## 2. SETUP AND INSTALLATION

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**Important Safety Notice:** Installation of electrical components should only be performed by a qualified electrician to ensure safety and compliance with local electrical codes. Improper installation can lead to electrical shock, fire, or damage to equipment.

### Installation Steps:

1. **Disconnect Power:** Before beginning any work, ensure that the main power supply to the electrical panel (load center) is completely disconnected at the main service panel. Verify power is off using a voltage tester.
2. **Identify Slot:** Locate the appropriate slot within your load center for the QO130 breaker. Ensure the panel is compatible with QO series breakers.
3. **Wire Connection:** Connect the electrical wires to the designated terminals on the circuit breaker. The QO130 is designed for specific wire gauges; refer to local wiring diagrams and codes for correct wire sizing and connection procedures. Ensure all connections are tight and secure.



Figure 2: Back view of the circuit breaker, showing the terminals for wire connection and a multi-language warning label regarding conductor termination.

4. **Seat Breaker:** Carefully align the breaker with the bus bar in the load center and firmly push it into place until it is securely seated.
5. **Verify Connections:** Double-check all wire connections and the breaker's seating to ensure everything is secure and properly installed.
6. **Restore Power:** Once installation is complete and verified, carefully restore power to the main service panel.

### 3. OPERATING INSTRUCTIONS

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The SCHNEIDER ELECTRIC QO130 circuit breaker features a simple toggle switch for manual operation and automatic tripping for circuit protection.

#### Turning 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.



Figure 3: Top view of the circuit breaker, clearly showing the 'I/ON' and 'O/OFF' markings on the toggle switch.

## Understanding Tripping:

In the event of an electrical overload or a short circuit, the breaker will automatically trip to the center position, interrupting the flow of electricity to protect the circuit and connected devices.

- To reset a tripped breaker, first move the toggle completely to the 'O/OFF' position.
- Then, push it firmly to the 'I/ON' position.
- If the breaker trips repeatedly immediately after resetting, do not force it on. This indicates a persistent electrical fault or an overloaded circuit that needs to be addressed by a qualified electrician.

## 4. MAINTENANCE

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The SCHNEIDER ELECTRIC QO130 Miniature Circuit Breaker is designed for long-term reliability with minimal maintenance. However, periodic visual inspection is recommended.

- **Visual Inspection:** Periodically inspect the circuit breaker and the surrounding area within the electrical panel for any signs of damage, such as cracks, discoloration, or loose connections.
- **Cleanliness:** Keep the area around the electrical panel clean and free from dust, debris, and obstructions to ensure proper ventilation and operation.
- **Professional Service:** Do not attempt to open, repair, or modify the circuit breaker. If it appears damaged, is malfunctioning, or trips frequently without an apparent cause, it should be replaced by a qualified professional.

## 5. TROUBLESHOOTING

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This section addresses common issues you might encounter with your circuit breaker.

Problem	Possible Cause	Solution
Breaker trips frequently	Overload on the circuit, short circuit, ground fault, faulty appliance.	Disconnect some appliances from the circuit. Check for damaged wires or faulty appliances. If the problem persists, consult a qualified electrician.
Breaker does not reset	Persistent electrical fault, internal breaker damage.	Ensure the toggle is fully moved to 'OFF' before attempting to reset. If it still doesn't reset, there may be a continuous fault or the breaker is damaged and needs replacement by a professional.
No power to circuit	Breaker is OFF or tripped, wiring issue, main power supply off.	Check the breaker position and reset if necessary. Verify the main power supply to the panel is on. If no change, inspect wiring or consult an electrician.

## 6. SPECIFICATIONS

Detailed technical specifications for the SCHNEIDER ELECTRIC QO130 Miniature Circuit Breaker.

Attribute	Value
Brand	SCHNEIDER ELECTRIC
Model Number	QO130
Current Rating	30 Amps
Voltage	120/240 Volts
Circuit Breaker Type	Standard
Number Of Poles	3
Material	Copper
Color	Black
Item Weight	10 pounds
Product Dimensions	10 x 10 x 10 inches
UPC	785901400141
Manufacturer	SCHNEIDER ELECTRIC
Item Package Quantity	1
Date First Available	July 26, 2014

## 7. WARRANTY INFORMATION

The SCHNEIDER ELECTRIC QO130 Miniature Circuit Breaker is covered by a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use and service. For specific terms, conditions, and details regarding warranty claims or service, please refer to the official Schneider Electric website or contact their customer support directly.

## 8. CUSTOMER SUPPORT

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For further assistance, technical inquiries, or to locate authorized service providers, please visit the official Schneider Electric website. You can also find more information and products from Schneider Electric on Amazon:

[Visit the Schneider Electric Store on Amazon](#)

Always ensure that any electrical work or troubleshooting beyond basic operation is handled by a certified professional.