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› [SIEMENS Q250 50-Amp Double Pole Type QP Circuit Breaker User Manual](#)

SIEMENS Q250

SIEMENS Q250 50-Amp Double Pole Type QP Circuit Breaker User Manual

Model: Q250

Brand: SIEMENS

INTRODUCTION

This manual provides essential information for the safe and effective use of the SIEMENS Q250 50-Amp Double Pole Type QP Circuit Breaker. This device is designed for overload and short-circuit protection within your electrical system. It is intended for use in Siemens EQ, Siemens Ultimate, ITE, and Gould load centers or meter combinations. The double pole Siemens breakers are rated for 240V and can be used in 1 or 3-phase load centers.

KEY FEATURES

- Double pole, 50 Amp, 240V type QP Circuit Breaker
- 10,000 AIC interrupting rating
- Easy plug-in connections in Siemens enclosures
- Time-saving Insta-wire feature
- Compatible with Siemens PL and ES series load centers
- Provides overload and short-circuit protection for electrical systems

SAFETY INFORMATION

WARNING: Electrical work can be hazardous. Installation and maintenance of circuit breakers should only be performed by qualified personnel in accordance with all applicable electrical codes and regulations.

Failure to follow these instructions can result in serious injury or death.

Always disconnect power at the main service panel before working on any electrical circuits. Use appropriate personal protective equipment (PPE).

Siemens strongly recommends against the use of "used" breakers. The installation of used breakers in a Siemens panel will void the warranty on the panel.

SETUP AND INSTALLATION

The SIEMENS Q250 circuit breaker is designed for plug-in installation into compatible Siemens load centers. Ensure the load center is de-energized before beginning installation.

1. **De-energize Panel:** Turn off the main breaker at your electrical service panel to completely cut power to the load center where the new breaker will be installed. Verify power is off using a voltage tester.
2. **Identify Slot:** Locate an available slot in your Siemens EQ, Siemens Ultimate, ITE, or Gould load center that is compatible with Type QP breakers.
3. **Connect Wires:** Loosen the terminal screws on the breaker. Connect the appropriate circuit wires (hot wires) to the terminals on the breaker. For a double pole breaker, there will be two hot wires. Ensure wires are properly stripped and securely fastened. Refer to local electrical codes for wire gauge requirements (e.g., AWG 8-6 for 50 Amp).
4. **Install Breaker:** Align the breaker's clips with the bus bar stabs in the load center. Firmly push the breaker into place until it clicks and is securely seated. The plug-in connection should feel solid.
5. **Verify Connections:** Double-check all wire connections and ensure the breaker is firmly seated.
6. **Restore Power:** Close the load center cover. Turn the main breaker back on at the service panel.



Figure 1: Main view of the Siemens Q250 circuit breaker, showing the 50 Amp rating on the handles.



Figure 2: Frontal view of the Siemens Q250 circuit breaker, highlighting the 50 Amp indicators and product labeling.

OPERATING INSTRUCTIONS

The circuit breaker functions as an automatic electrical switch designed to protect an electrical circuit from damage caused by excess current from an overload or short circuit. Its basic function is to interrupt current flow after a fault is detected.

- **Normal Operation:** In normal operation, the breaker handle will be in the "ON" position.
- **Tripped Condition:** If an overload or short circuit occurs, the breaker will automatically "trip" to the "OFF" or center position (depending on the specific breaker design). This indicates a fault and interrupts power to the circuit it protects.
- **Resetting a Tripped Breaker:**
 - a. First, identify and correct the cause of the trip (e.g., unplug overloaded appliances, fix short circuits).
 - b. Move the breaker handle firmly to the full "OFF" position.
 - c. Then, move the handle firmly to the "ON" position to restore power.

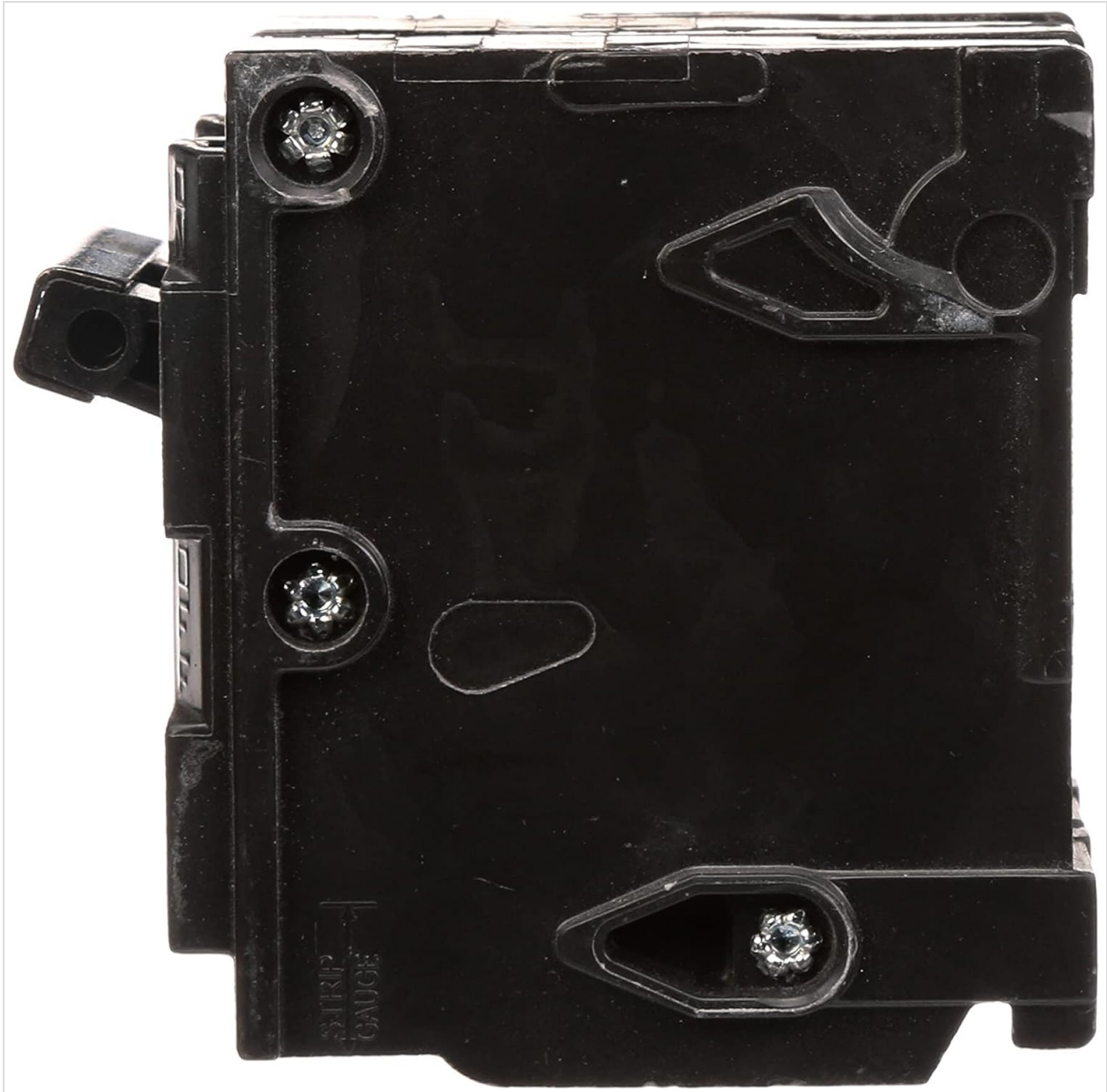


Figure 3: Side view of the Siemens Q250 circuit breaker, showing its compact design.

MAINTENANCE

Circuit breakers generally require minimal maintenance. However, periodic inspection is recommended to ensure continued safe operation.

- **Visual Inspection:** Periodically inspect the breaker for any signs of physical damage, discoloration, or burning. Ensure all connections are tight.
- **Cleanliness:** Keep the area around the circuit breaker and inside the load center clean and free of

dust, debris, and obstructions.

- **Testing (Professional Only):** While some breakers have test buttons, this model does not. Any functional testing should be performed by a qualified electrician using appropriate equipment.



Figure 4: Bottom view of the Siemens Q250 circuit breaker, illustrating the connection points for electrical wiring.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Breaker trips frequently	Overloaded circuit, short circuit, ground fault, or faulty appliance.	Reduce load on circuit, unplug appliances, inspect wiring for damage. If problem persists, consult a qualified electrician.
Breaker does not reset	Persistent fault (short circuit, severe overload) or internal breaker damage.	Ensure the handle is moved fully to the "OFF" position before attempting to reset. If it still won't reset, do not force it. Call a qualified electrician.

Problem	Possible Cause	Solution
No power to circuit, breaker is "ON"	Loose connection, tripped upstream breaker, or internal wiring issue.	Check main breaker and other breakers in the panel. Inspect connections (with power off). If unresolved, contact a qualified electrician.

SPECIFICATIONS

Attribute	Value
Brand	SIEMENS
Current Rating	50 Amps
Product Dimensions	10"D x 5"W x 8"H
Circuit Breaker Type	Standard
Mounting Type	Plug-In Mount
Number Of Poles	2
UPC	783643148642
Manufacturer	Siemens
Item Weight	8 ounces
Item Model Number	Q250
Size	50 Amp
Color	Black
Style	1 Pack
Material	Plastic
Voltage	240 Volts

WARRANTY AND SUPPORT

Warranty Description: This product comes with a 1 Year warranty.

To ensure the warranty on a Siemens panel is not voided, the use of Siemens breakers is required.

Siemens does not sell used breakers and has not approved any 3rd party sellers to do so.

For technical support, product inquiries, or warranty claims, please contact Siemens customer service or visit the official Siemens website. It is recommended to consult a qualified electrician for any complex electrical issues or installations.

Visit the official Siemens store for more products and information:[Siemens Store](#)

