

SIEMENS B370

Siemens B370 70-Amp Three Pole 240-Volt Circuit Breaker Instruction Manual

Model: B370 | Brand: SIEMENS

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Siemens B370 70-Amp Three Pole 240-Volt 10KAIC Bolt-in Circuit Breaker. Please read these instructions thoroughly before proceeding with any installation or operation.

The Siemens B370 is a panel board mounted, non-interchangeable trip molded case circuit breaker designed for reliable circuit protection in electrical systems. It features a 70-Amp current rating, three poles, and is rated for 240-Volt applications with a 10KAIC interrupting rating.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock or Fire.

- Installation and servicing of this circuit breaker must be performed by qualified electrical personnel only.
- Always disconnect power at the main service panel before installing or servicing the circuit breaker. Failure to do so can result in severe injury or death.
- Ensure all wiring connections are secure and tightened to the specified torque values to prevent overheating and potential fire hazards.
- Do not use this circuit breaker for applications exceeding its specified voltage, current, or interrupting ratings.
- 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. Siemens does not sell used breakers and has not approved any 3rd party sellers to do so.

3. PRODUCT OVERVIEW

The Siemens B370 circuit breaker is a Type BL thermal-magnetic circuit breaker designed for bolt-on mounting in compatible panel boards. Key features include:

- **Type BL:** Indicates compatibility with specific Siemens panel boards.
- **Three Pole:** Provides protection for three-phase circuits.
- **70-Amp Current Rating:** Designed for circuits up to 70 amperes.
- **240-Volt Rating:** Suitable for 240-volt electrical systems.
- **10KAIC Interrupting Rating:** Capable of safely interrupting fault currents up to 10,000 amperes.
- **UL Listed:** Certified for safety and performance by Underwriters Laboratories.

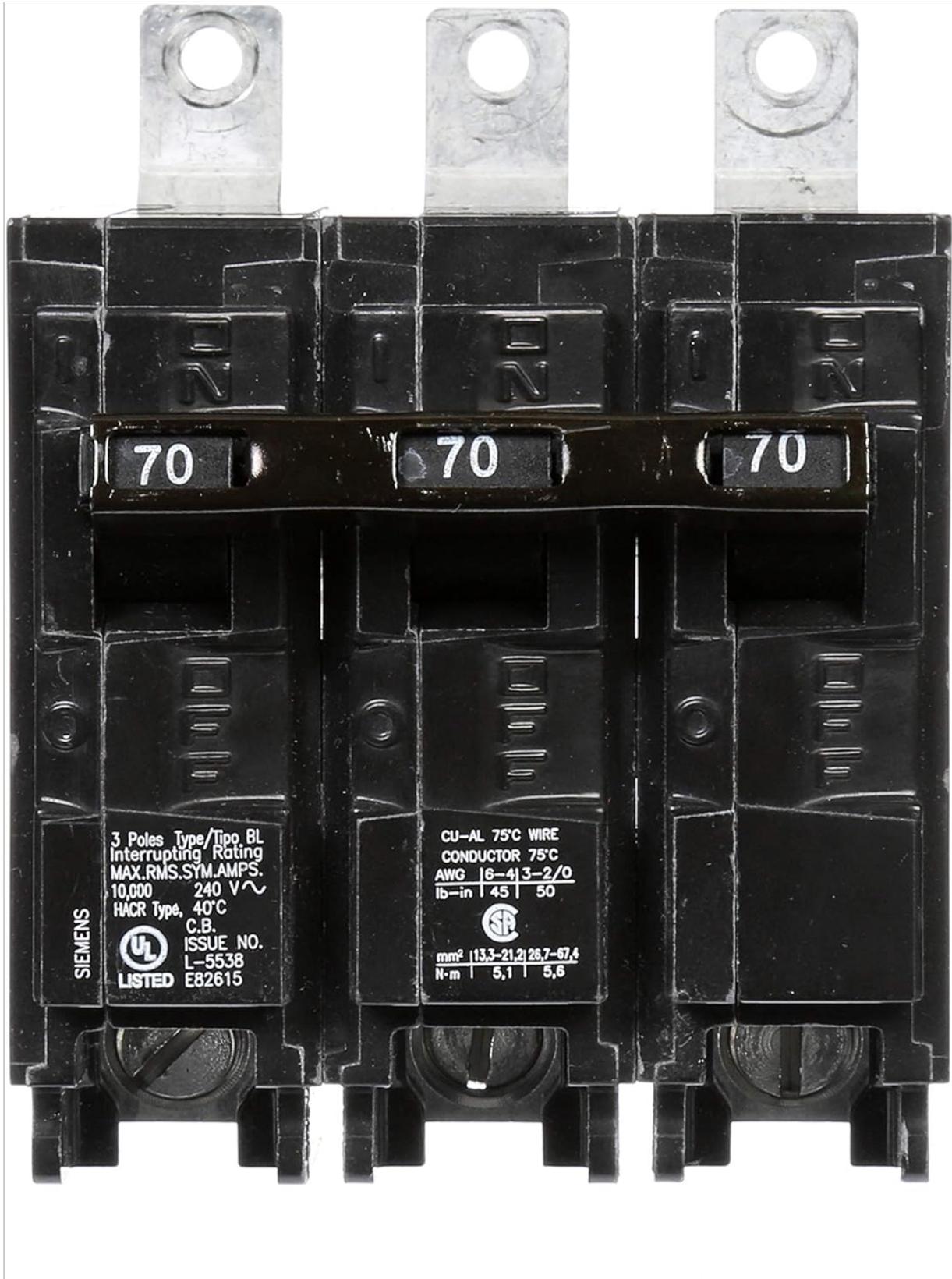


Figure 1: Front view of the Siemens B370 circuit breaker, showing the 70-Amp rating on each pole and connection terminals.

4. SETUP AND INSTALLATION

Installation of the Siemens B370 circuit breaker requires adherence to local electrical codes and should only be performed by a qualified electrician.

4.1 Pre-Installation Steps

1. Ensure the main power supply to the panel board is OFF and locked out. Verify with a voltage tester.
2. Confirm the panel board is compatible with Siemens Type BL bolt-on circuit breakers.
3. Verify the circuit breaker's ratings (70-Amp, 240-Volt, 3-pole) match the circuit requirements.

4.2 Mounting the Breaker

1. Align the bolt-on terminals of the circuit breaker with the appropriate bus bar stabs in the panel board.
2. Securely fasten the breaker to the bus bar using the provided bolts. Ensure a firm connection.



4.3 Wiring Connections

Connect the load wires to the appropriate terminals on the circuit breaker. Refer to the markings on the breaker for correct wire sizing and torque specifications:

- **Wire Type:** CU-AL 75°C WIRE (Copper or Aluminum, rated for 75°C)
- **Conductor Size (AWG):** 16-4 (for smaller wires) to 3-2/0 (for larger wires)
- **Torque (lb-in):** 45-50 lb-in
- **Torque (N-m):** 5.1-5.6 N-m

Ensure all connections are tight and secure. Overtightening or undertightening can lead to poor contact and potential hazards.

5. OPERATING INSTRUCTIONS

5.1 Turning ON/OFF

- **To Turn ON:** Push the handle firmly to the "ON" position.
- **To Turn OFF:** Push the handle firmly to the "OFF" position.

5.2 Tripped Breaker

If an overload or short circuit occurs, the circuit breaker will automatically trip to protect the circuit. The handle will move to a center, tripped position (often indicated by a red flag or a position between ON and OFF).

5.3 Resetting a Tripped Breaker

1. First, identify and correct the cause of the trip (e.g., unplug overloaded appliances, fix short circuits).
2. Move the breaker handle completely to the "OFF" position. You may feel a slight resistance as it resets internally.
3. Then, push the handle firmly to the "ON" position.
4. If the breaker immediately trips again, do not attempt to reset it. Contact a qualified electrician.

6. MAINTENANCE

The Siemens B370 circuit breaker is designed for minimal maintenance. However, periodic inspection is recommended:

- **Annual Inspection:** Visually inspect the breaker and its connections for any signs of damage, discoloration, loose wires, or corrosion.
- **Cleaning:** If necessary, gently clean the exterior of the breaker with a dry, lint-free cloth. Do not use liquids or abrasive cleaners.
- **Professional Check:** If you notice any unusual odors, sounds, or frequent tripping, have the electrical system inspected by a qualified electrician.

7. TROUBLESHOOTING

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

7.1 Breaker Trips Frequently

- **Cause:** Overloaded circuit (too many devices drawing power).
- **Solution:** Unplug some devices from the circuit. Redistribute loads if possible.
- **Cause:** Short circuit (faulty wiring or appliance).
- **Solution:** Disconnect all devices from the circuit. If it still trips, there may be a wiring fault. Contact an electrician.
- **Cause:** Ground fault (current leaking to ground).
- **Solution:** If the breaker is an AFCI/GFCI type (though B370 is thermal-magnetic, some panels might have these), test the outlets. Contact an electrician for persistent issues.

7.2 No Power to Circuit, Breaker is ON

- **Cause:** Loose connection at the breaker or outlet.
- **Solution:** With power off, check wire connections at the breaker and outlets. Tighten if loose.
- **Cause:** Faulty breaker.
- **Solution:** If all other troubleshooting fails, the breaker itself may be faulty and require replacement by a qualified electrician.

8. SPECIFICATIONS

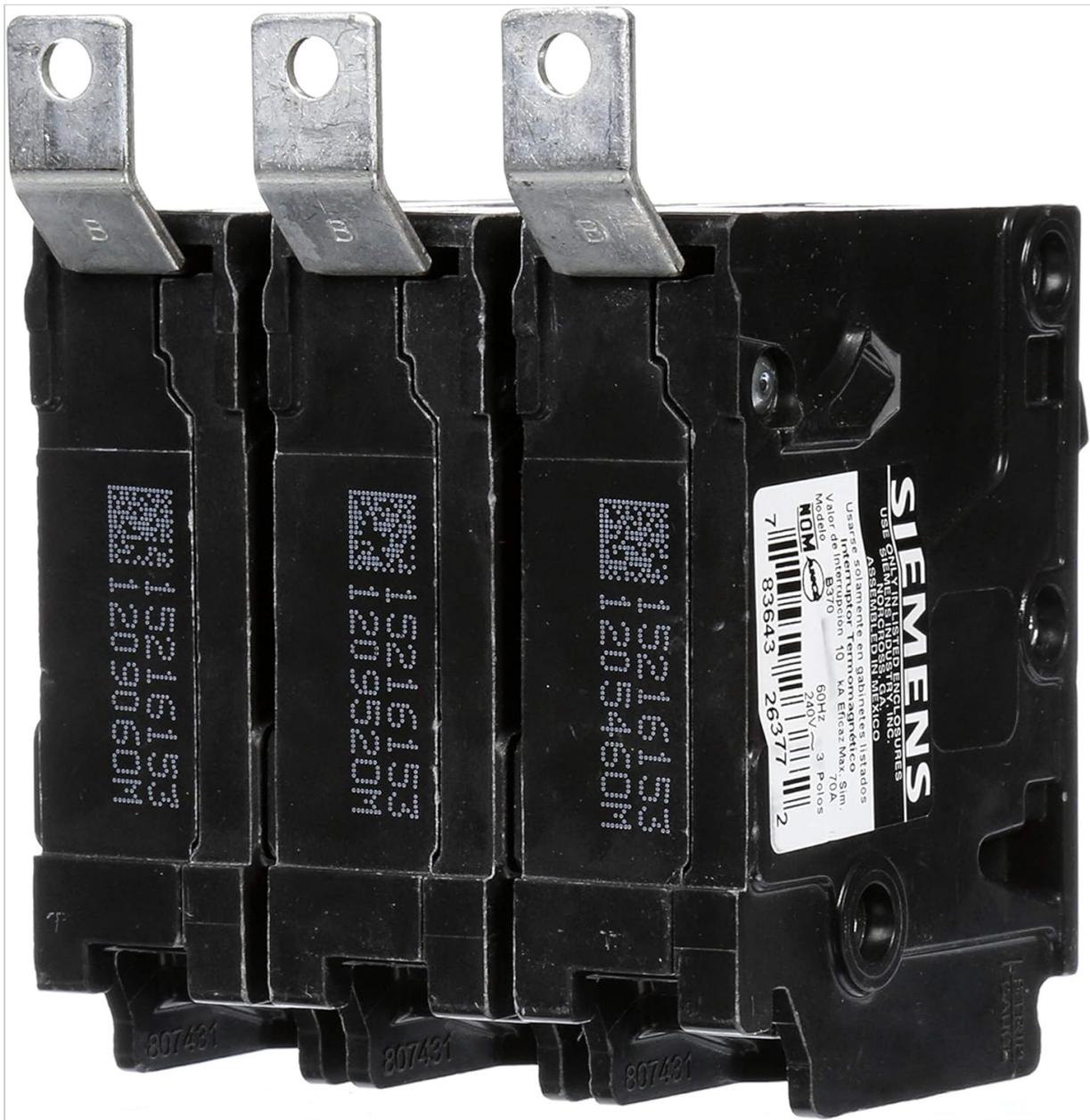


Figure 3: Back view of the Siemens B370 circuit breaker, displaying model number, UPC, and other identification labels.

Siemens B370 Circuit Breaker Specifications

Feature	Specification
Brand	SIEMENS
Model	B370
Part Number	BL370
Current Rating	70 Amps
Number of Poles	3
Voltage Rating	240 Volts
Interrupting Rating	10KAIC
Mounting Type	Bolt-On Mount
Circuit Breaker Type	Thermal-Magnetic (Type BL)

Feature	Specification
UL Listed	Yes
UPC	0783643263772
Item Weight	12 ounces

9. WARRANTY AND SUPPORT

9.1 Warranty Information

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. Siemens does not sell used breakers and has not approved any 3rd party sellers to do so. For specific warranty details on new products, please refer to the official Siemens warranty documentation provided at the time of purchase or visit the official Siemens website.

9.2 Customer Support

For technical assistance, product inquiries, or warranty claims, please contact Siemens customer support through their official website or the contact information provided with your product documentation. Always provide the model number (B370) and part number (BL370) when seeking support.