

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [SIEMENS](#) /

› [SIEMENS CJD63B400 Sentron Molded Case Circuit Breaker User Manual](#)

SIEMENS CJD63B400

SIEMENS CJD63B400 Sentron Molded Case Circuit Breaker User Manual

Model: CJD63B400

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the SIEMENS CJD63B400 Sentron Molded Case Circuit Breaker. Please read this manual thoroughly before attempting any installation or operation.

2. SAFETY INFORMATION

Adherence to safety precautions is critical to prevent injury and equipment damage. Always observe the following:

- **Qualified Personnel:** Installation, maintenance, and troubleshooting must only be performed by qualified and authorized electrical personnel.
- **Disconnect Power:** Always ensure that all power sources are disconnected and locked out before working on or near the circuit breaker.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses, insulated gloves, and arc-flash protection, as required by local regulations.
- **Local Codes:** All installation and wiring must comply with national, state, and local electrical codes and standards.
- **Inspect for Damage:** Do not install or operate the circuit breaker if it appears damaged.

3. PRODUCT OVERVIEW

The SIEMENS CJD63B400 is a robust 3-pole, 400 Amp, 600 Volt Sentron Molded Case Circuit Breaker designed for reliable overcurrent protection in various electrical systems. It features a plug-in mount for secure and efficient installation.



Image 1: SIEMENS CJD63B400 Circuit Breaker in its original packaging. The label clearly displays the model number, current rating, voltage, and other key specifications.

4. SETUP AND INSTALLATION

4.1 Pre-Installation Checks

- Verify that the circuit breaker's ratings (voltage, current, poles, interrupting capacity) match the requirements of the electrical system.
- Inspect the circuit breaker for any signs of shipping damage or manufacturing defects.
- Ensure the mounting surface or panelboard is clean, dry, and structurally sound to support the breaker's weight and dimensions.

4.2 Mounting

The CJD63B400 is a plug-in type circuit breaker. Follow these steps for mounting:

1. Align the circuit breaker's plug-in connectors with the corresponding receptacles in the panelboard or enclosure.
2. Apply firm, even pressure to fully seat the breaker into its position. Ensure a secure mechanical and electrical connection.
3. Verify that any retaining clips or fasteners are engaged to prevent accidental dislodgement.

4.3 Wiring

Connect the line and load conductors to the designated terminals on the circuit breaker. Refer to the wiring diagram provided with your panelboard or system documentation for specific connections.

- Ensure all wire sizes are appropriate for the 400 Amp rating and comply with local electrical codes.
- Strip insulation to the recommended length to ensure full terminal contact without exposed conductor.
- Tighten terminal screws to the manufacturer's specified torque values. Overtightening can damage terminals, while undertightening can lead to loose connections and overheating.
- Confirm proper phase rotation for three-phase applications.

5. OPERATING INSTRUCTIONS

5.1 Turning ON/OFF

The circuit breaker handle has three distinct positions:

- **ON:** The handle is fully pushed to one side (typically up or right), indicating the circuit is closed and power is flowing.
- **OFF:** The handle is fully pushed to the opposite side (typically down or left), indicating the circuit is open and power is interrupted.
- **TRIPPED:** The handle is in an intermediate position, usually centered or slightly off-center, indicating the breaker has automatically opened due to an overcurrent condition.

To turn the circuit ON, move the handle to the ON position. To turn it OFF, move the handle to the OFF position.

5.2 Trip Indication and Reset

When an overload or short circuit occurs, the CJD63B400 will automatically trip to protect the circuit. The handle will move to the TRIPPED position.

To reset a tripped circuit breaker:

1. **Investigate the Cause:** Before resetting, identify and resolve the cause of the trip (e.g., overloaded circuit, short circuit). Failure to do so may result in immediate re-tripping or damage.
2. **Move to OFF:** Firmly push the handle all the way to the OFF position. You may feel a slight click as the internal mechanism resets.
3. **Move to ON:** Now, push the handle all the way to the ON position. The breaker is now reset and the circuit is re-energized.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of your circuit breaker. Always disconnect power before performing any maintenance.

- **Periodic Inspection:** Annually inspect the circuit breaker for signs of overheating (discoloration), loose connections, corrosion, or physical damage.
- **Cleaning:** Keep the breaker free from dust, dirt, and moisture. Use a dry, non-conductive cloth for cleaning. Do not use solvents or abrasive cleaners.
- **Connection Checks:** Periodically re-torque terminal connections to ensure they remain tight, especially after initial installation and during routine inspections.
- **Functional Testing:** Follow industry standards (e.g., NETA) for periodic functional testing of circuit breakers to verify their trip characteristics.

7. TROUBLESHOOTING

This section outlines common issues and potential solutions.

Problem	Possible Cause	Solution
Breaker trips frequently	Overload, short circuit, ground fault, incorrect breaker rating for load.	Reduce load, identify and clear short/ground fault, verify breaker rating matches circuit requirements.
Breaker does not reset	Persistent fault, internal mechanical damage, handle not fully moved to OFF first.	Ensure fault is cleared. Firmly push handle to OFF, then to ON. If still fails, replace breaker.
Breaker feels hot to touch	Overload, loose connections, inadequate ventilation, internal damage.	Reduce load, check and re-torque connections, ensure proper airflow, replace if internal damage is suspected.
No power to circuit after reset	Upstream power issue, wiring error, internal breaker failure.	Check upstream power supply. Verify wiring. If all else fails, breaker may need replacement.

8. SPECIFICATIONS

Technical specifications for the SIEMENS CJD63B400 Circuit Breaker:

Feature	Specification
Brand	SIEMENS
Model	CJD63B400
Type	Sentron Molded Case Circuit Breaker
Poles	3
Current Rating	400 Amps
Voltage Rating	600 Volts AC

Feature	Specification
Interrupting Capacity	160kA @ 480V
Mounting Type	Plug-In Mount
Dimensions (L x W x H)	19 x 19 x 19 inches
Item Weight	0.01 ounces <i>(Note: This weight may be a placeholder; verify actual product weight.)</i>
UPC	783643213616

9. WARRANTY AND SUPPORT

Warranty information for the SIEMENS CJD63B400 Circuit Breaker is typically provided at the time of purchase. For specific warranty terms, technical assistance, or customer support, please refer to the documentation included with your product or visit the official [SIEMENS website](#).