

SIEMENS JXD63B350

SIEMENS JXD63B350 350A 600V 3P Circuit Breaker

INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of the SIEMENS JXD63B350 350A 600V 3P Circuit Breaker. Please read this manual thoroughly before attempting any procedures to ensure proper handling and to prevent potential hazards.

The SIEMENS JXD63B350 is a high-performance molded case circuit breaker designed for robust electrical protection in various industrial and commercial applications. It features a 3-pole configuration, a 350 Ampere current rating, and is suitable for systems up to 600 Volts.

2. Safety Information

WARNING: Electrical shock hazard. Only qualified personnel should install, operate, or service this equipment. Failure to follow these instructions can result in serious injury or death.

- Always disconnect power before working on or near the circuit breaker.
- Use appropriate personal protective equipment (PPE) such as insulated gloves, eye protection, and arc-flash rated clothing.
- Ensure all local and national electrical codes and standards are followed during installation and maintenance.
- Do not operate the circuit breaker if it appears damaged or if any components are missing.
- Verify correct voltage and current ratings before installation.



Image 2.1: SIEMENS JXD63B350 Circuit Breaker showing prominent safety warnings on the label. The labels indicate 'DANGER' and 'PELIGRO' regarding electrical shock and arc flash hazards, emphasizing the need for qualified personnel and proper lockout/tagout procedures.

3. Product Overview

The SIEMENS JXD63B350 is a Sentron Series Circuit Breaker, designed for reliable overcurrent protection. It features a robust construction and adjustable magnetic trip settings.

Key Features:

- **Model:** JXD63B350
- **Current Rating:** 350 Amperes
- **Voltage Rating:** 600 VAC
- **Poles:** 3-Pole
- **Interrupting Rating:** 65 kA at 240 VAC, 50 kA at 480 VAC, 25 kA at 600 VAC (UL)
- **Trip Type:** LSIG (Long-time, Short-time, Instantaneous, Ground Fault) - Note: The provided image indicates 'Magnetic Adj. 2000-4000' which refers to the instantaneous trip setting range.

- **Mounting Type:** Plug-In Mount

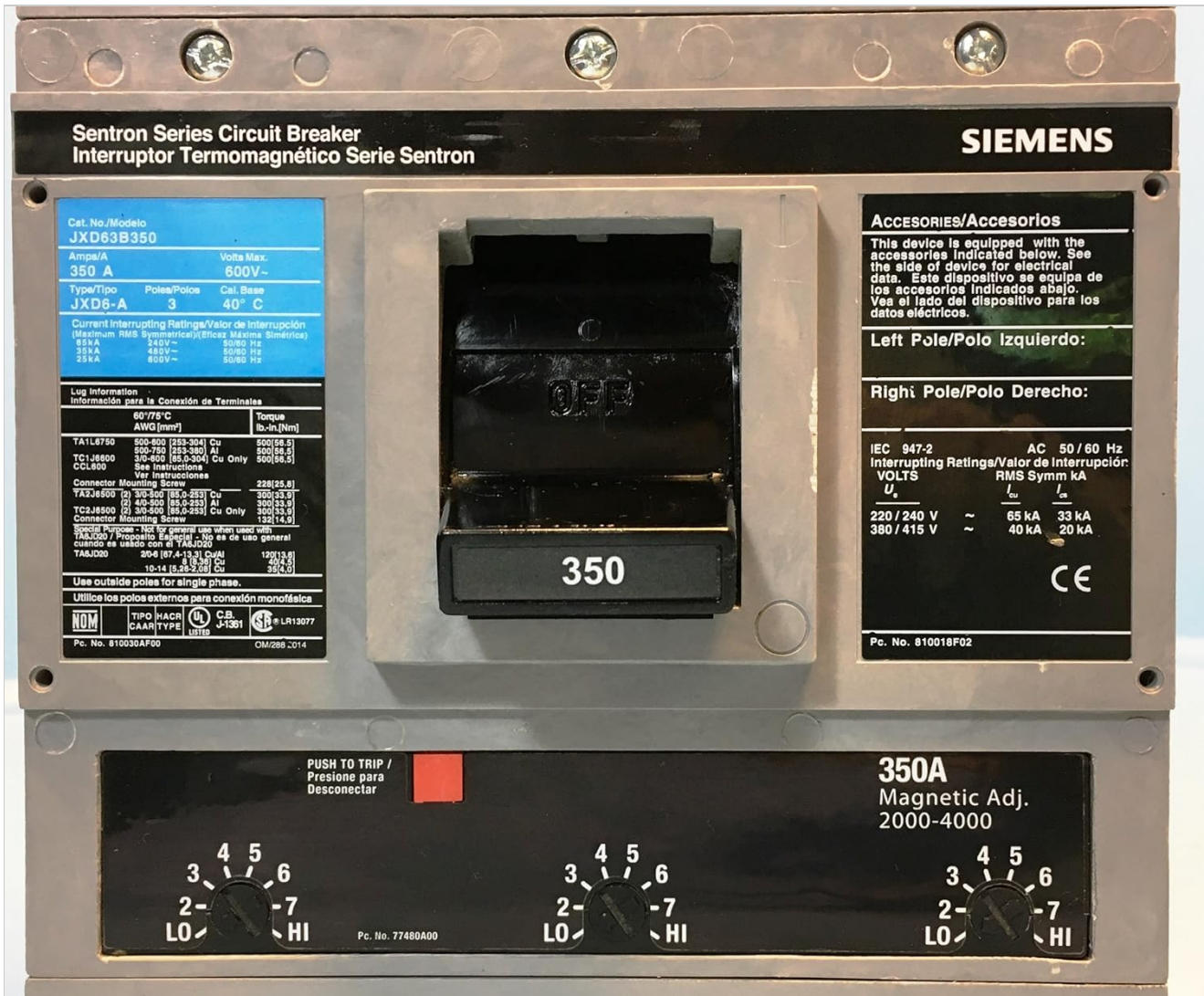


Image 3.1: Detailed front view of the SIEMENS JXD63B350 Circuit Breaker. Visible labels include model number (JXD63B350), current rating (350A), voltage (600V), and various technical specifications. The main handle is in the 'OFF' position, and the magnetic adjustment dials are clearly visible at the bottom.

4. Installation

Installation of the SIEMENS JXD63B350 circuit breaker must be performed by a qualified electrician in accordance with all applicable electrical codes and safety regulations.

4.1 Pre-Installation Checks

- Verify that the circuit breaker's ratings (voltage, current, interrupting capacity) match the requirements of the electrical system.
- Inspect the circuit breaker for any signs of damage during shipping. Do not install damaged equipment.
- Ensure the mounting location provides adequate ventilation and clearance for safe operation and maintenance.

4.2 Mounting

The JXD63B350 is a plug-in mount circuit breaker. Ensure the appropriate mounting hardware and enclosure are used.

1. Ensure the electrical panel or enclosure is de-energized and locked out.
2. Align the circuit breaker with the designated mounting slots or bus bar connections in the panel.
3. Securely fasten the circuit breaker into place using the appropriate mounting hardware.



Image 4.1: Side view of the SIEMENS JXD63B350 Circuit Breaker, illustrating its overall dimensions and structural design relevant for mounting within an electrical panel.

4.3 Wiring

Connect the electrical conductors to the circuit breaker terminals. Refer to the wiring diagram of your electrical system and the circuit breaker's labels for correct connections.

1. Strip the insulation from the conductor ends to the length specified by the terminal lugs.
2. Insert the conductors fully into the appropriate terminals (line and load).
3. Tighten the terminal screws to the torque specifications provided on the circuit breaker label or in relevant documentation. Over-tightening or under-tightening can lead to poor connections and potential hazards.
4. Verify all connections are secure and properly insulated.



Image 4.2: Bottom view of the SIEMENS JXD63B350 Circuit Breaker, clearly showing the three load terminals where electrical conductors are connected. The design allows for secure wiring connections.



Image 4.3: Top view of the SIEMENS JXD63B350 Circuit Breaker, displaying the three line terminals. These terminals are designed for robust connection of incoming power conductors.

5. Operation

5.1 Turning On/Off

- To turn the circuit breaker ON, push the handle firmly to the 'ON' position.
- To turn the circuit breaker OFF, push the handle firmly to the 'OFF' position.

5.2 Tripping and Resetting

When an overcurrent or fault condition occurs, the circuit breaker will automatically trip to the center position (between ON and OFF) to protect the circuit. To reset a tripped circuit breaker:

1. First, move the handle completely to the 'OFF' position.
2. Then, move the handle to the 'ON' position.
3. If the circuit breaker immediately trips again, do not attempt to reset it. Investigate and resolve the cause of the fault before attempting to reset.

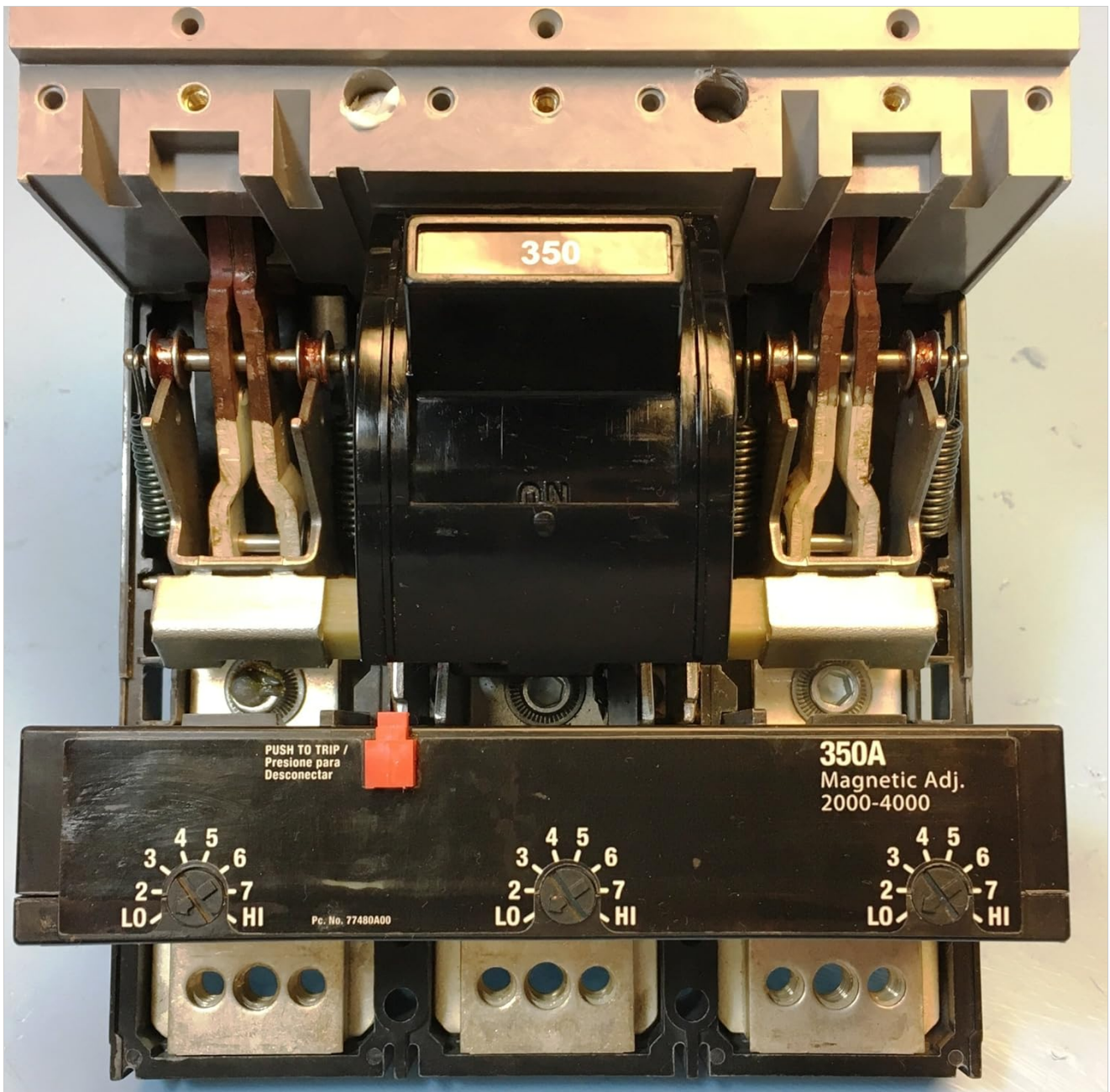


Image 5.1: Internal view of the SIEMENS JXD63B350 Circuit Breaker, showing the 'PUSH TO TRIP' button and the internal mechanism. This button allows for manual testing of the trip function.

5.3 Adjusting Trip Settings

The JXD63B350 features adjustable magnetic trip settings. These settings allow for fine-tuning the instantaneous trip point of the breaker to suit specific application requirements. The range is typically indicated on the device (e.g., 2000-4000 Amperes for the magnetic trip).

- Use a suitable tool to adjust the dials located on the front of the circuit breaker.
- Refer to system design specifications for the correct trip settings.
- Adjustments should only be made by qualified personnel.

6. Maintenance

Regular maintenance helps ensure the longevity and reliable operation of your SIEMENS JXD63B350 circuit breaker. All maintenance procedures must be performed with the power disconnected and by qualified personnel.

- **Visual Inspection:** Periodically inspect the circuit breaker for any signs of physical damage, discoloration, loose connections, or excessive dust accumulation.

- **Cleaning:** Keep the circuit breaker clean and free of dust and debris. Use a dry, lint-free cloth. Do not use solvents or abrasive cleaners.
- **Connection Checks:** Annually, or as required by local codes, verify the tightness of all terminal connections using a calibrated torque wrench.
- **Trip Test:** Periodically test the trip mechanism using the 'PUSH TO TRIP' button. The breaker should trip immediately. Reset the breaker after testing.

7. Troubleshooting

This section provides guidance on common issues. For complex problems, contact a qualified electrician or SIEMENS technical support.

Problem	Possible Cause	Solution
Circuit breaker trips immediately after reset.	Persistent overload or short circuit.	Do not reset. Identify and eliminate the fault in the circuit. Consult an electrician.
Circuit breaker does not trip under fault condition.	Breaker malfunction, incorrect rating, or wiring issue.	Immediately de-energize the circuit. Replace the circuit breaker or have it inspected by a qualified technician.
Breaker feels hot to the touch.	Overload, loose connections, or internal damage.	De-energize the circuit. Check for overloads and tighten connections. If problem persists, replace the breaker.

8. Specifications

Detailed technical specifications for the SIEMENS JXD63B350 Circuit Breaker:

Attribute	Value
Brand	SIEMENS
Model Number	JXD63B350
Current Rating	350 Amps
Voltage Rating	600 Volts
Number Of Poles	3
Circuit Breaker Type	Standard, Magnetic
Mounting Type	Plug-In Mount
Interrupting Rating (UL)	65 kA at 240 VAC, 50 kA at 480 VAC, 25 kA at 600 VAC

Attribute	Value
Item Weight	0.01 ounces (Note: This weight seems incorrect for a device of this type and size. Please refer to official product documentation for accurate weight.)
Product Dimensions	11 x 8 x 8 inches
UPC	783643213081

9. Warranty and Support

For specific warranty information regarding the SIEMENS JXD63B350 Circuit Breaker, please refer to the documentation provided at the time of purchase or contact SIEMENS directly. General product support and technical assistance can be obtained through authorized SIEMENS distributors or their official website.

For further assistance, please visit the official [SIEMENS Store on Amazon](#) or the main SIEMENS website.