

## SIEMENS FXD63B225

# SIEMENS FXD63B225 FD6 Circuit Breaker Instruction Manual

Model: FXD63B225

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective installation, operation, and maintenance of the SIEMENS FXD63B225 FD6 Circuit Breaker. Please read this manual thoroughly before proceeding with any procedures. Retain this manual for future reference.

## 2. SAFETY INFORMATION

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**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 electrical equipment.
- Use appropriate personal protective equipment (PPE).
- Ensure all local and national electrical codes are followed.
- Do not operate the circuit breaker if it appears damaged.
- Never bypass or tamper with safety devices.

## 3. PRODUCT OVERVIEW

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The SIEMENS FXD63B225 is an FD6 series 3-pole circuit breaker designed for robust electrical protection. It is rated for 600 Volts and 225 Amperes, providing overcurrent and short-circuit protection in various industrial and commercial applications. This circuit breaker features a plug-in mount for ease of installation.

*Note: No product images or videos were provided for embedding in this manual.*

## 4. SETUP AND INSTALLATION

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Installation of the SIEMENS FXD63B225 circuit breaker must be performed by a qualified electrician in accordance with all applicable electrical codes and standards.

1. **Power Disconnection:** Ensure all power to the installation area is completely disconnected and locked out. Verify with a voltage tester.
2. **Mounting:** Securely mount the circuit breaker into the designated panel or enclosure using its plug-in mounting mechanism. Ensure proper alignment and seating.

3. **Wiring:** Connect the load and line conductors to the appropriate terminals on the circuit breaker. Refer to the wiring diagram provided with your electrical panel or system. Ensure all connections are tight and secure to prevent overheating and arcing.
4. **Torque Specifications:** Adhere to the manufacturer's specified torque values for all terminal connections.
5. **Verification:** Double-check all connections and ensure no loose wires or debris are present.
6. **Enclosure Closure:** Close and secure the electrical panel or enclosure cover.
7. **Power Restoration:** Carefully restore power to the system.

## 5. OPERATING INSTRUCTIONS

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The circuit breaker is designed to automatically interrupt the flow of electricity when an overcurrent or short-circuit condition occurs, protecting the electrical circuit and connected equipment.

- **ON Position:** To energize the circuit, push the breaker handle firmly to the "ON" position.
- **OFF Position:** To de-energize the circuit, push the breaker handle firmly to the "OFF" position.
- **Tripped Position:** If an overload or short circuit occurs, the breaker will automatically move to a "TRIPPED" position (often midway between ON and OFF, or fully OFF depending on the design).
- **Resetting a Tripped Breaker:**
  - a. First, move the handle completely to the "OFF" position.
  - b. Identify and correct the cause of the trip (e.g., overloaded circuit, short circuit).
  - c. Push the handle firmly to the "ON" position. If the breaker trips again immediately, do not attempt to reset it further. Consult a qualified electrician.

## 6. MAINTENANCE

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The SIEMENS FXD63B225 circuit breaker is designed for minimal maintenance. However, periodic inspections are recommended to ensure optimal performance and safety.

- **Visual Inspection:** Periodically inspect the breaker for any signs of physical damage, discoloration, or loose connections. Ensure the area around the breaker is clean and free of obstructions.
- **Cleaning:** If necessary, gently clean the exterior of the breaker with a dry, lint-free cloth. Do not use liquids or abrasive cleaners.
- **Professional Inspection:** For critical applications, consider scheduling periodic inspections and testing by a qualified electrical professional.

## 7. TROUBLESHOOTING

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If you encounter issues with your circuit breaker, refer to the following troubleshooting guide. Always ensure power is disconnected before inspecting any electrical components.

Problem	Possible Cause	Solution
Breaker trips frequently.	Overloaded circuit, short circuit, ground fault, or faulty appliance.	Reduce load on the circuit. Unplug appliances one by one to identify the faulty one. Inspect wiring for damage. If problem persists, consult an electrician.
Breaker will not reset.	Persistent overload or short circuit, internal breaker fault.	Ensure the handle is moved fully to the "OFF" position before attempting to reset. If it still won't reset, there is likely an active fault or the breaker itself is damaged. Consult an electrician.

Problem	Possible Cause	Solution
Breaker is hot to the touch.	Loose connections, overloaded circuit, or internal fault.	Immediately disconnect power. Do not touch. This indicates a serious issue. Consult an electrician immediately.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	SIEMENS
Model Number	FXD63B225
Current Rating	225 Amps
Voltage	600 Volts
Number Of Poles	3
Circuit Breaker Type	AFCI
Mounting Type	Plug-In Mount
Item Weight	8.8 ounces
Product Dimensions	11 x 11 x 11 inches
UPC / GTIN	783643211285

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or service inquiries regarding your SIEMENS FXD63B225 FD6 Circuit Breaker, please contact SIEMENS customer service or visit the official SIEMENS website. Keep your purchase receipt for warranty claims.

Official SIEMENS Website: [www.siemens.com](http://www.siemens.com)