

Manuals+

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

manuals.plus /

- › [SCHNEIDER ELECTRIC](#) /
- › [SCHNEIDER ELECTRIC LAP36350MB Molded Case Circuit Breaker User Manual](#)

SCHNEIDER ELECTRIC LAP36350MB

SCHNEIDER ELECTRIC LAP36350MB Molded Case Circuit Breaker User Manual

Model: LAP36350MB

1. PRODUCT OVERVIEW

The SCHNEIDER ELECTRIC LAP36350MB is a robust molded case circuit breaker designed for reliable overcurrent protection in electrical systems. This 600-Volt, 350-Amp device is engineered to safely interrupt electrical circuits during fault conditions, preventing damage to equipment and ensuring operational safety. It is suitable for a wide range of industrial and commercial applications where high-capacity circuit protection is required.

Important Safety Information: Always ensure power is disconnected before installation, maintenance, or inspection. Installation and servicing should only be performed by qualified personnel in accordance with all applicable electrical codes and standards. Failure to follow these instructions can result in serious injury or death.





Figure 1: Front view of the SCHNEIDER ELECTRIC LAP36350MB Molded Case Circuit Breaker. The image displays the main body of the breaker, the ON/OFF toggle switch with a 350A rating visible, and the terminal connections at the top. The "SQUARE D by Schneider Electric" logo is also visible on the front panel.

2. SETUP AND INSTALLATION

Proper installation is critical for the safe and effective operation of the LAP36350MB circuit breaker. This device is designed for panel mounting and requires appropriate wiring and connection to the electrical system.

2.1 Pre-Installation Checks

- Verify that the circuit breaker's voltage (600V) and current rating (350A) match the requirements of the electrical system it will protect.
- Ensure all power to the installation area is completely disconnected and locked out.

- Inspect the circuit breaker for any signs of physical damage. Do not install damaged units.
- Confirm that the mounting location provides adequate space for ventilation and access.

2.2 Mounting and Wiring

1. Securely mount the circuit breaker within the designated electrical panel or enclosure using appropriate fasteners.
2. Connect the incoming power conductors to the line terminals and the outgoing load conductors to the load terminals. Ensure proper polarity and torque specifications for all terminal connections. The breaker is designed for copper conductors.
3. Verify all connections are tight and secure to prevent loose connections, which can lead to overheating or arcing.
4. Once wiring is complete, close the panel cover and ensure all safety barriers are in place before re-energizing the system.

Note: Refer to local electrical codes and standards (e.g., NEC in the USA) for specific wiring practices and safety requirements.

3. OPERATING INSTRUCTIONS

The LAP36350MB circuit breaker features a simple toggle mechanism for operation and a robust trip indicator.

3.1 Turning On/Off

- To turn the circuit breaker **ON**, firmly push the toggle handle upwards to the "ON" position.
- To turn the circuit breaker **OFF**, firmly push the toggle handle downwards to the "OFF" position.

3.2 Tripping and Resetting

In the event of an overcurrent or short circuit, the circuit breaker will automatically trip to protect the circuit. When tripped, the toggle handle will move to an intermediate "TRIPPED" position, typically between "ON" and "OFF".

1. If the breaker trips, first identify and resolve the cause of the trip (e.g., overloaded circuit, short circuit).
2. To reset the tripped breaker, firmly push the toggle handle all the way to the "OFF" position first. You may feel a slight click as it resets internally.
3. Then, push the toggle handle firmly upwards to the "ON" position.
4. If the breaker immediately trips again, do not attempt to reset it repeatedly. This indicates a persistent fault that must be addressed by a qualified electrician.

4. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your circuit breaker. Always de-energize the circuit before performing any maintenance.

- **Periodic Inspection:** Annually inspect the circuit breaker for signs of overheating (discoloration), loose connections, or physical damage.
- **Cleaning:** Keep the breaker free from dust and debris. Use a dry, lint-free cloth for cleaning. Do not use solvents or abrasive cleaners.
- **Terminal Torque Check:** Periodically re-check the torque of all terminal connections to ensure they remain tight. Refer to the product label or technical specifications for recommended torque values.
- **Environmental Conditions:** Ensure the operating environment remains within the specified temperature and humidity ranges to prevent premature wear or malfunction.

5. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Breaker trips frequently	Overloaded circuit, short circuit, ground fault, faulty appliance, or nuisance tripping.	Reduce load on the circuit. Unplug appliances to identify faulty ones. Inspect wiring for shorts or ground faults. If problem persists, consult a qualified electrician.
Breaker does not reset	Persistent fault (short circuit/overload), internal damage to breaker.	Ensure the handle is pushed fully to "OFF" before attempting to reset to "ON". If it still doesn't reset, there is likely a continuous fault or the breaker is damaged and needs replacement. Do not force the handle.
Breaker feels hot	Overload, loose connections, or internal fault.	Immediately de-energize the circuit. Check for overloaded circuits. Inspect and re-torque terminal connections. If heat persists, the breaker may be faulty and require replacement.

Always consult a qualified electrician for any electrical issues that cannot be resolved by basic troubleshooting.

6. SPECIFICATIONS

Key technical specifications for the SCHNEIDER ELECTRIC LAP36350MB Molded Case Circuit Breaker:

Brand: SCHNEIDER ELECTRIC

Model Number: LAP36350MB

Current Rating: 350 Amps

Voltage Rating: 600 Volts

Circuit Breaker Type: Standard, Thermal-Magnetic

Number Of Poles: 1

Material: Copper (for internal components/connections)

Item Weight: 15.95 pounds

Product Dimensions: 17.3 x 11.5 x 9 inches (L x W x H)

Certifications: CSA, CE, UL

UPC: 785901530084

Date First Available: May 7, 2013

7. WARRANTY AND SUPPORT

SCHNEIDER ELECTRIC products are manufactured to high standards and are typically covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official SCHNEIDER ELECTRIC website.

For technical assistance, product inquiries, or support, please contact SCHNEIDER ELECTRIC customer service or visit their official support portal. Always provide your product model number (LAP36350MB) and any relevant purchase details when seeking support.

You can find more information and contact details on the [Schneider Electric Store on Amazon](#) or their official corporate website.

