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Schneider Electric HOM120PDFC

Schneider Electric HOM120PDFC 20A Dual Pole Circuit Breaker

USER INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Schneider Electric HOM120PDFC 20 Amp Dual Pole Circuit Breaker. This device is designed to provide overcurrent and short-circuit protection for electrical circuits in residential and light commercial applications. Please read this manual thoroughly before proceeding with any installation or operation.

2. Important Safety Information

WARNING: Risk of Electric Shock or Electrocution.

Installation and servicing of this circuit breaker must be performed by qualified electrical personnel only. Always disconnect power at the main service panel before working on electrical equipment. Failure to follow these instructions can result in death, serious injury, or equipment damage.

- Always turn off the main power supply to the electrical panel before installing or removing circuit breakers.
- Use appropriate personal protective equipment (PPE) such as insulated gloves and safety glasses.
- Verify that the circuit breaker rating matches the circuit requirements.
- Ensure all connections are tight and secure to prevent overheating.
- Do not use damaged or modified circuit breakers.

3. Package Contents

Verify that all items are present and undamaged upon opening the package:

- One (1) Schneider Electric HOM120PDFC 20A Dual Pole Circuit Breaker
- Instruction Manual (this document)

4. Setup and Installation

Follow these steps for proper installation of the HOM120PDFC circuit breaker. Refer to local electrical codes and standards for specific requirements.

1. **Disconnect Power:** Turn off the main power supply to the electrical panel at the utility meter or main disconnect switch. Confirm power is off using a voltage tester.
2. **Remove Panel Cover:** Carefully remove the cover of the electrical panel.
3. **Identify Slot:** Locate an available two-pole slot in the Homeline load center.
4. **Install Breaker:** Position the circuit breaker over the bus bar tabs. Press firmly until the breaker snaps securely into place. Ensure both poles are properly seated.
5. **Connect Wires:**
 - Connect the two hot (line) wires from the circuit to the respective terminals on the circuit breaker.
 - Tighten the terminal screws to the torque specified on the breaker label or in the load center instructions.
6. **Replace Panel Cover:** Reinstall the electrical panel cover.
7. **Restore Power:** Turn the main power supply back on.



Image: Schneider Electric HOM120PDFC 20A Dual Pole Circuit Breaker. This image shows the front view of the circuit breaker, highlighting its compact design and terminal screws for wire connections.

5. Operating Instructions

The HOM120PDFC circuit breaker operates automatically to protect circuits from overcurrents. It also features a manual ON/OFF switch.

- **ON Position:** Push the handle fully to the 'ON' position to supply power to the circuit.
- **OFF Position:** Push the handle fully to the 'OFF' position to disconnect power from the circuit.
- **Tripped Position:** If an overcurrent or short-circuit condition occurs, the breaker handle will automatically move to a center, 'TRIPPED' position. This indicates that the circuit has been interrupted for safety.

- **Resetting a Tripped Breaker:** To reset a tripped breaker, first move the handle firmly to the 'OFF' position, then push it fully to the 'ON' position. If the breaker immediately trips again, there is still a fault in the circuit that needs to be addressed.

6. Maintenance

The Schneider Electric HOM120PDFC circuit breaker is designed for maintenance-free operation under normal conditions. No user-serviceable parts are inside.

- **Periodic Inspection:** Periodically inspect the circuit breaker for any signs of physical damage, discoloration, or loose connections. Any such issues should be addressed by a qualified electrician.
- **Cleaning:** If necessary, gently wipe the exterior of the breaker with a dry, clean cloth. Do not use liquids or abrasive cleaners.

7. Troubleshooting

If you encounter issues with your circuit breaker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Breaker trips frequently	Overloaded circuit, short circuit, or ground fault.	Unplug some devices from the circuit. Inspect wiring for damage or shorts. If problem persists, consult a qualified electrician.
Breaker does not reset	Persistent fault in the circuit, or internal damage to the breaker.	Ensure all devices are unplugged from the circuit. If it still won't reset, the breaker may be faulty and needs replacement by a qualified electrician.
No power to circuit	Breaker is in OFF or TRIPPED position, or main power is off.	Check the breaker handle position and reset if necessary. Verify main power supply to the panel is ON.

If troubleshooting steps do not resolve the issue, contact a qualified electrician for further assistance.

8. Specifications

Feature	Detail
Brand	Schneider Electric
Model	HOM120PDFC
Current Rating	20 Amps
Voltage	240 Volts
Number of Poles	2
Mounting Type	Plug-In Mount
Circuit Breaker Type	Standard
UPC	880778758224

9. Warranty and Support

For information regarding warranty coverage, technical support, or service, please contact Schneider Electric directly through their official website or customer service channels. Keep your purchase receipt for warranty claims.

Official Schneider Electric Website: www.se.com/us/en/