

Schneider Electric A9F74206

Schneider Electric Acti9 IC60N Circuit Breaker A9F74206 User Manual

Model: A9F74206

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Schneider Electric Acti9 IC60N Miniature Circuit Breaker, model A9F74206. This device is designed to protect electrical circuits from overcurrents, which can result from overload or short circuit. Adherence to these instructions is crucial for ensuring the safety of personnel and the proper functioning of the electrical system.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and maintenance should only be performed by qualified and authorized personnel. Failure to follow these instructions can result in serious injury or death.

- Always disconnect power at the main supply before working on electrical circuits or equipment.
- Use appropriate personal protective equipment (PPE).
- Verify that the circuit breaker ratings (voltage, current, breaking capacity) are suitable for the application.
- Ensure all connections are tight and secure to prevent overheating and arcing.
- Do not bypass or modify the circuit breaker.
- Comply with all local and national electrical codes and regulations.

3. PRODUCT OVERVIEW

The Schneider Electric Acti9 IC60N A9F74206 is a 2-pole miniature circuit breaker with a 6A current rating and C-curve tripping characteristic. It is designed for protection against overloads and short circuits in residential, commercial, and industrial installations.



Figure 1: Schneider Electric Acti9 iC60N Circuit Breaker A9F74206. This image shows the front view of the white 2-pole circuit breaker with the Schneider Electric logo, iC60N model designation, and "Made in France" marking. The two toggle switches are visible, currently in the "OFF" position.

Key Features:

- **Model:** A9F74206
- **Poles:** 2P (2-Pole)
- **Current Rating:** 6 Amperes (6A)
- **Tripping Curve:** C (for general applications, protecting against overloads and short circuits in circuits with moderate inrush currents)
- **Frequency:** 50/60 Hz
- **Mounting Type:** Plug-In Mount (typically DIN rail mountable)
- **Origin:** Made in France

4. SETUP AND INSTALLATION

Installation must be performed by a qualified electrician in accordance with all applicable electrical codes and standards.

Installation Steps:

1. **Power Disconnection:** Ensure that the main power supply to the electrical panel or distribution board is completely disconnected and locked out/tagged out to prevent accidental re-energization.
2. **Mounting:** The IC60N circuit breaker is designed for DIN rail mounting. Snap the circuit breaker onto the DIN rail securely.
3. **Wiring:**
 - Connect the incoming phase conductors to the top terminals of the circuit breaker.
 - Connect the outgoing load conductors to the bottom terminals of the circuit breaker.
 - Ensure correct polarity and phase sequence if applicable.
 - Tighten terminal screws to the specified torque (refer to product markings or technical data sheet, typically 3.5 Nm for this model).
4. **Verification:** Double-check all connections for tightness and correct wiring. Ensure no bare wires are exposed.
5. **Panel Closure:** Close the electrical panel cover securely once installation is complete.
6. **Power Restoration:** Restore power to the main supply.

5. OPERATING INSTRUCTIONS

Switching ON/OFF:

- **To Switch ON:** Push the toggle switch(es) upwards to the "ON" position. The circuit is now energized.
- **To Switch OFF:** Push the toggle switch(es) downwards to the "OFF" position. The circuit is now de-energized.

Tripping and Resetting:

If an overload or short circuit occurs, the circuit breaker will automatically trip, moving the toggle switch(es) to an intermediate or "TRIPPED" position (often between ON and OFF, or fully OFF depending on the mechanism). This indicates a fault in the circuit.

1. **Identify and Rectify Fault:** Before resetting, identify and correct the cause of the trip (e.g., remove overloaded appliances, fix short circuits).
2. **Reset:** First, push the toggle switch(es) fully to the "OFF" position, then push it upwards to the "ON" position. If the breaker immediately trips again, a fault still exists. Do not repeatedly reset a tripping breaker without addressing the underlying issue.

6. MAINTENANCE

The Schneider Electric Acti9 IC60N circuit breaker is generally maintenance-free under normal operating conditions. However, periodic inspections by qualified personnel are recommended.

- **Visual Inspection:** Periodically inspect the circuit breaker for any signs of physical damage, discoloration, or loose connections.
- **Cleaning:** If necessary, clean the exterior of the circuit breaker with a dry, lint-free cloth. Do not use abrasive cleaners or solvents. Ensure power is disconnected before cleaning.
- **Functional Check:** Occasionally, manually switch the circuit breaker OFF and ON to ensure smooth operation of the toggle mechanism.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Circuit breaker trips frequently.	Overload in the circuit, short circuit, or faulty appliance.	<ul style="list-style-type: none">• Reduce the load on the circuit.• Unplug appliances and test them individually.• Inspect wiring for short circuits (requires qualified personnel).• If the problem persists, consult a qualified electrician.
Circuit breaker does not reset.	Persistent fault in the circuit (overload or short circuit) or internal damage to the breaker.	<ul style="list-style-type: none">• Ensure the fault has been cleared.• Try pushing the toggle fully to OFF before attempting to reset to ON.• If it still does not reset, the breaker may be damaged and requires replacement by a qualified electrician.
Circuit breaker feels hot.	Loose connections, excessive load, or internal fault.	<ul style="list-style-type: none">• Immediately disconnect power.• Have a qualified electrician inspect and tighten connections.• Reduce circuit load.• If heating persists, the breaker may be faulty and needs replacement.

8. SPECIFICATIONS

Attribute	Value
Brand	Schneider Electric
Model Number	A9F74206
Product Type	Miniature Circuit Breaker (MCB)
Number of Poles	2P
Current Rating	6 Amps
Tripping Curve	C
Frequency	50/60 Hz
Mounting Type	Plug-In Mount (DIN Rail)
Product Dimensions	3.7 x 1.42 x 2.95 inches
Weight	6.7 ounces

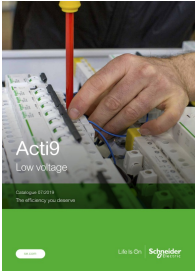


Attribute	Value
Manufacturer	Schneider Electric
Origin	France

9. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please refer to the official Schneider Electric website or contact their customer service department. Warranty terms and conditions may vary by region and product type.

Official Schneider Electric Website: www.se.com

Related Documents - A9F74206

	<p>Schneider Electric Acti9 Low Voltage Circuit Breakers Catalog</p> <p>Explore the Schneider Electric Acti9 catalog for low voltage circuit breakers, featuring detailed technical specifications, product information, and part numbers for various circuit protection needs.</p>
	<p>QO Miniature Circuit Breakers: End of Life Instructions and Disposal Guide</p> <p>Comprehensive guide for the responsible end-of-life disposal and recycling of Schneider Electric QO Miniature Circuit Breakers, detailing components, mass, dimensions, and recyclability potential for treatment facilities.</p>
	<p>Schneider Electric Acti 9: Κατάλογος Συστημάτων Διανομής Χαμηλής Τάσης</p> <p>Ολοκληρωμένη σειρά συστημάτων τελικής διανομής χαμηλής τάσης Acti 9 από την Schneider Electric, προσφέροντας ασφάλεια, απλότητα και αποδοτικότητα. Περιλαμβάνει μικροαυτόματους διακόπτες, διακόπτες διαρροής, αντικεραυνική προστασία και βοηθητικά στοιχεία.</p>

Guide Utilisateur du Disjoncteur Miniature Schneider A9N21027

Ce guide utilisateur fournit des informations détaillées sur le disjoncteur miniature Schneider A9N21027 de la gamme Acti9 iC60. Il couvre les spécifications techniques, les instructions d'installation étape par étape et les applications recommandées pour les installations domestiques, tertiaires et industrielles légères.

[Guide Utilisateur Disjoncteur Schneider A9P34706 iDT40N | 6A, 3P+N, Courbe D](#)

Guide utilisateur détaillé du disjoncteur modulaire Schneider Electric A9P34706 iDT40N.
Spécifications techniques, installation, applications, entretien et garantie.

Schneider Electric PowerPacT™ L-Frame Circuit Breaker Kit Installation Guide for NQ Panelboards

This instruction bulletin from Schneider Electric provides detailed steps for installing the NQMB6PPL kit, featuring PowerPacT™ L-Frame main and sub-feed circuit breakers, onto NQ panelboards. Includes kit contents, tools, and safety precautions.