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- › [Schneider Electric](#) /
- › [Schneider Electric INS44217 Unica System+ Breaker User Manual](#)

Schneider Electric INS44217

Schneider Electric INS44217 Unica System+ Breaker User Manual

Model: INS44217

1. INTRODUCTION

This user manual provides essential information for the safe and efficient installation, operation, and maintenance of the **Schneider Electric INS44217 Unica System+ Breaker**. Please read this manual thoroughly before attempting any installation or operation to ensure proper functionality and to prevent potential hazards.

The INS44217 is designed for specific electrical applications, offering reliable circuit protection within the Unica System+ range. Its compact design and robust construction ensure long-term performance.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and servicing must be performed by qualified personnel only. Disconnect all power before working on or near the equipment.

- Always follow local and national electrical codes and regulations.
- Ensure the power supply is completely disconnected and locked out before installation or maintenance.
- Do not operate the device if it appears damaged.
- Use appropriate personal protective equipment (PPE) when working with electrical systems.
- Verify correct voltage and current ratings before connection. The device is rated for *230 V~2P-16 A-C-30 mA-A*.

3. SETUP AND INSTALLATION

The INS44217 Unica System+ Breaker is designed for integration into compatible Schneider Electric Unica System+ installations. Refer to the overall system documentation for specific mounting and wiring diagrams.

3.1. Pre-installation Checklist

- Confirm the product model (INS44217) matches your requirements.
- Verify the electrical specifications (230 V~2P-16 A-C-30 mA-A) are compatible with your system.
- Ensure all necessary tools and additional components are available.
- Inspect the device for any visible damage.

3.2. Mounting

The breaker is designed for secure mounting within a standard electrical enclosure or panel. Follow the specific instructions provided with your Unica System+ frame or enclosure for proper installation.

3.3. Wiring

Connect the input and output wiring according to the electrical diagram provided with your system. Ensure all connections are tight and secure to prevent loose contacts and overheating. Pay close attention to polarity and phase connections.



Figure 1: Angled view of the Schneider Electric INS44217 Unica System+ Breaker. This image shows its compact black housing with a clear top cover revealing internal white components. The model number 'INS44217' and electrical specifications '230 V~2P-16 A-C-30 mA-A' are visible on the side label, along with CE and EAC markings.

4. OPERATING INSTRUCTIONS

Once installed and wired correctly, the INS44217 breaker operates automatically to protect the circuit. It is designed to trip

and interrupt the circuit in the event of an overload or short circuit.

4.1. Powering On

1. Ensure all connections are secure and the installation area is clear.
2. Restore power to the circuit at the main distribution panel.
3. The breaker should remain in the "ON" position unless a fault occurs.

4.2. Resetting the Breaker

If the breaker trips (moves to the "OFF" position), it indicates an electrical fault. Before resetting:

1. Identify and resolve the cause of the trip (e.g., overloaded circuit, short circuit).
2. Once the fault is cleared, firmly push the breaker handle to the "OFF" position, then to the "ON" position to reset it.
3. If the breaker immediately trips again, do not attempt to reset it further. Consult a qualified electrician.

5. MAINTENANCE

The Schneider Electric INS44217 Unica System+ Breaker is designed for minimal maintenance. However, periodic inspection is recommended to ensure continued safe operation.

- **Annual Inspection:** Visually inspect the breaker and its connections for any signs of wear, corrosion, or overheating (discoloration).
- **Cleaning:** If necessary, gently clean the exterior of the breaker with a dry, lint-free cloth. Do not use abrasive cleaners or solvents. Ensure power is disconnected before cleaning.
- **Testing:** Regular functional testing should be performed by qualified personnel according to local regulations and industry standards.

Do not attempt to open or repair the breaker. There are no user-serviceable parts inside.

6. TROUBLESHOOTING

This section provides guidance for common issues. For complex problems, consult a qualified electrician.

Problem	Possible Cause	Solution
Breaker trips frequently.	Overloaded circuit, short circuit, ground fault, or faulty appliance.	Reduce load on the circuit. Disconnect appliances one by one to identify the faulty one. Inspect wiring for damage. If problem persists, consult an electrician.
Breaker does not reset.	Persistent fault on the circuit, internal breaker damage.	Ensure the fault is cleared. Try cycling the breaker fully OFF then ON. If it still doesn't reset, the breaker may be damaged and needs replacement by a qualified professional.
No power to circuit after installation.	Incorrect wiring, main power off, or tripped breaker.	Verify all wiring connections. Check main power supply. Ensure the breaker is in the "ON" position.

7. SPECIFICATIONS

Attribute	Value
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Attribute	Value
Model Number	INS44217
Brand	Schneider Electric
Type	Unica System+ Breaker
Electrical Rating	230 V~2P-16 A-C-30 mA-A
Product Dimensions	94.49 x 45.28 x 27.56 inches; 3.53 ounces
Manufacturer	Schneider Electric

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Schneider Electric directly or refer to their official website. Product support and documentation can often be found by visiting the official Schneider Electric support portal.

You can find more information about Schneider Electric products and support at their official website www.se.com. For specific product details related to INS44217, you may also refer to <https://www.go2se.com/ref=INS44217>.



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