

## Hager MUN110A

# Hager MUN110A Automatic Miniature Circuit Breaker User Manual

Model: MUN110A

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Hager MUN110A Automatic Miniature Circuit Breaker.

The Hager MUN110A is a single-pole (1P) automatic miniature circuit breaker with a nominal current of 10A and a C curve, offering a breaking capacity of 6000A according to UNE EN 60898-1. It is AENOR certified.

Key features include:

- Number of poles: 1 P
- Rated nominal current: 10 A
- Rated frequency: 50/60 Hz

## 2. SAFETY INFORMATION

**WARNING: Electrical shock hazard. Installation and maintenance must be performed by qualified personnel only.**

- Always disconnect power at the main supply before installing, servicing, or removing the circuit breaker.
- Ensure all local and national electrical codes and regulations are followed.
- Do not use the device if it appears damaged.
- Ensure proper grounding where applicable.
- Verify correct wiring connections before restoring power.

## 3. PRODUCT OVERVIEW



Image showing the Hager MUN110A automatic miniature circuit breaker. It is a compact, single-module device, typically white or light grey, designed for DIN rail mounting. The front features the Hager logo, model number (MUN 110A), and curve type (C10). It has a toggle switch for ON/OFF operation and connection terminals at the top and bottom. The side of the breaker shows a barcode and text indicating 'MADE IN FRANCE' and the GTIN: [3250614316371](#).

The Hager MUN110A is designed for overcurrent protection in electrical circuits. Its main components include:

- **Toggle Switch:** Used to manually switch the circuit breaker ON or OFF, and indicates the tripped state.
- **Connection Terminals:** Screw terminals at the top and bottom for connecting incoming and outgoing conductors.
- **DIN Rail Clip:** Located at the rear for easy mounting onto a standard DIN rail.

## 4. SETUP (INSTALLATION)

1. **Power Disconnection:** Before starting, ensure the main power supply to the electrical panel is completely disconnected. Verify with a voltage tester.
2. **Mounting:** Attach the MUN110A circuit breaker onto a standard DIN rail within the electrical distribution board. Ensure it clicks securely into place.

### 3. Wiring:

- Connect the incoming phase conductor to the top terminal of the circuit breaker.
- Connect the outgoing phase conductor (to the load) to the bottom terminal of the circuit breaker.
- Ensure all connections are tight and secure. Recommended torque for terminal screws should be followed as per electrical standards.

4. **Verification:** Double-check all wiring for correctness and security before restoring power.

## 5. OPERATING

- **Switching ON:** To energize the circuit, push the toggle switch upwards to the 'ON' position.
- **Switching OFF:** To de-energize the circuit, push the toggle switch downwards to the 'OFF' position.
- **Automatic Tripping:** In the event of an overload or short circuit, the circuit breaker will automatically trip to the middle or 'OFF' position, interrupting the power supply to protect the circuit.
- **Resetting After Tripping:**
  1. Identify and rectify the cause of the trip (e.g., remove overloaded appliances, fix short circuits).
  2. Move the toggle switch fully to the 'OFF' position.
  3. Then, push the toggle switch upwards to the 'ON' position to restore power.

## 6. MAINTENANCE

The Hager MUN110A circuit breaker is designed for long-term, maintenance-free operation under normal conditions. However, periodic visual inspections are recommended:

- Inspect for any visible damage, cracks, or discoloration on the casing.
- Ensure terminal connections remain tight. Loose connections can lead to overheating.
- Keep the area around the circuit breaker clean and free from dust or debris.

*Note: There are no user-serviceable parts inside the circuit breaker. Do not attempt to open or repair the device.*

## 7. TROUBLESHOOTING

- **Problem:** The circuit breaker trips frequently.  
**Solution:** This usually indicates an overload or a short circuit in the protected circuit. Disconnect all appliances from the circuit and reset the breaker. If it holds, reconnect appliances one by one to identify the faulty one. If it trips immediately without any load, there might be a short circuit in the wiring. Consult a qualified electrician.
- **Problem:** The circuit breaker does not reset.  
**Solution:** Ensure the toggle switch is moved fully to the 'OFF' position before attempting to reset to 'ON'. If it still does not reset, the fault (overload or short circuit) might still be present, or the breaker itself may be faulty and require replacement. Do not force the switch.
- **Problem:** The circuit breaker feels hot.  
**Solution:** This could indicate an overload, loose connections, or an internal fault. Immediately disconnect power and have the circuit and breaker inspected by a qualified electrician.

## 8. SPECIFICATIONS

| Specification                   | Value          |
|---------------------------------|----------------|
| Model Number                    | MUN110A        |
| Number of Poles                 | 1 P            |
| Rated Nominal Current           | 10 Amperes     |
| Rated Frequency                 | 50/60 Hz       |
| Breaking Capacity               | 6000A (6KA)    |
| Curve Type                      | C              |
| Standard                        | UNE EN 60898-1 |
| Dimensions (Product)            | 7 x 2 x 9 cm   |
| Weight                          | 100 g          |
| Manufacturer                    | Hager          |
| Country of Origin               | Spain          |
| ASIN                            | B019IVARJK     |
| GTIN (Global Trade Item Number) | 03250614316371 |

## 9. WARRANTY AND SUPPORT

For specific warranty information regarding your Hager MUN110A circuit breaker, please refer to the documentation provided at the time of purchase or contact your authorized Hager distributor or retailer.

For technical assistance, installation queries, or troubleshooting beyond the scope of this manual, it is recommended to contact a qualified electrician or Hager customer support directly.



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lang:en score:16 filesize: 468.55 K page count: 11 document date: 2022-05-11

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UKCA DECLARATION OF CONFORMITY No. 24.3593.10.24

By: Hager LTD  
Registered to: 243593-10-24

Device that the product(s) designate(s):

Type reference(s):

Trademark: Hager

In (are) in conformity with the relevant United Kingdom regulation:

Standard number / relevant standards together with the edition dates:

This declaration of conformity is issued under the sole responsibility of the manufacturer:

On behalf of Hager LTD  
Name of signatory: Eric BROWN  
Position of signatory: Certification Manager  
Place and date of issue: Charnley, 17th January 2024  
Signature:

DN0555102 Version 6 1/7

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By: Hager Electro SAS  
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This declaration of conformity is issued under the sole responsibility of the manufacturer:

On behalf of Hager Electro SAS - SPS - 67310 OBERNAI CEDEX - FRANCE  
Name of signatory: Eric BROWN  
Position of signatory: Certification Manager  
Place and date of issue: Charnley, 17th January 2024  
Signature:

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By: Hager Electro SAS  
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Trademark: Hager

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This declaration of conformity is issued under the sole responsibility of the manufacturer:

On behalf of Hager Electro SAS - SPS - 67310 OBERNAI CEDEX - FRANCE  
Name of signatory: Eric BROWN  
Position of signatory: Certification Manager  
Place and date of issue: Charnley, 14 April 2023  
Signature:

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## Residencial

La gama modular residencial de Hager abarca los interruptores automáticos magnetotérmicos de la serie MU con curva C de 1 a 4 polos y con un rango de intensidades de 6 a 63 A. Completan esta gama los interruptores diferenciales tipo AC 28 2 polos y los ICP serie MP-C Curva ICP-M de 1 a 2 polos y de 5 a 40 A. Las protecciones contra sobretensiones también se incluyen en este apartado.

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Residencial Precio Interruptor automático magnetotérmico serie MU 1P 6A curva C 6KA 12 MUN106A 28

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