

FOUNCY GYM8 3P Din Rail MCB C Curve

FOUNCY GYM8 3P Din Rail Mini Circuit Breaker C Curve Instruction Manual

Model: GYM8 3P Din Rail MCB C Curve

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective installation, operation, and maintenance of the FOUNCY GYM8 3P Din Rail Mini Circuit Breaker (MCB) C Curve. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent personal injury or damage to the product:

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Ensure the main power supply is disconnected before installing or performing any maintenance on the circuit breaker.
- Do not operate the circuit breaker with wet hands.
- Verify that the voltage and current ratings of the circuit breaker match the requirements of your electrical system.
- Never bypass or tamper with the circuit breaker's protective mechanisms.
- Use appropriate personal protective equipment (PPE) during installation and maintenance.

3. PRODUCT OVERVIEW

The FOUNCY GYM8 3P Din Rail Mini Circuit Breaker is designed for protection against overcurrents and short circuits in AC 50Hz/60Hz electrical systems with rated voltages of 230V/400V and rated currents from 6A to 63A. It also supports non-frequent on/off switching operations under normal conditions.

- **Compliance:** In compliance with IEC/EN60898-1 standards.
- **Indicator Function:** Features an indicator function to show the contact position.
- **Labeling:** Includes a transparent cover designed to hold labels for circuit identification.
- **Wiring:** Offers bilateral busbar wiring capabilities for versatile installation.
- **Connection Capacity:** Maximum connecting ability of 16mm² with a wiring torque of 2.5N·m.



Figure 3.1: Front view of the FOUNCY GYM8 3P Din Rail Mini Circuit Breaker, showing the three red toggle switches and the white housing.





Figure 3.2: Detailed front view of the circuit breaker, displaying model number GYM8, voltage 400V~, frequency 50/60Hz, C32 curve, and 4500 breaking capacity.

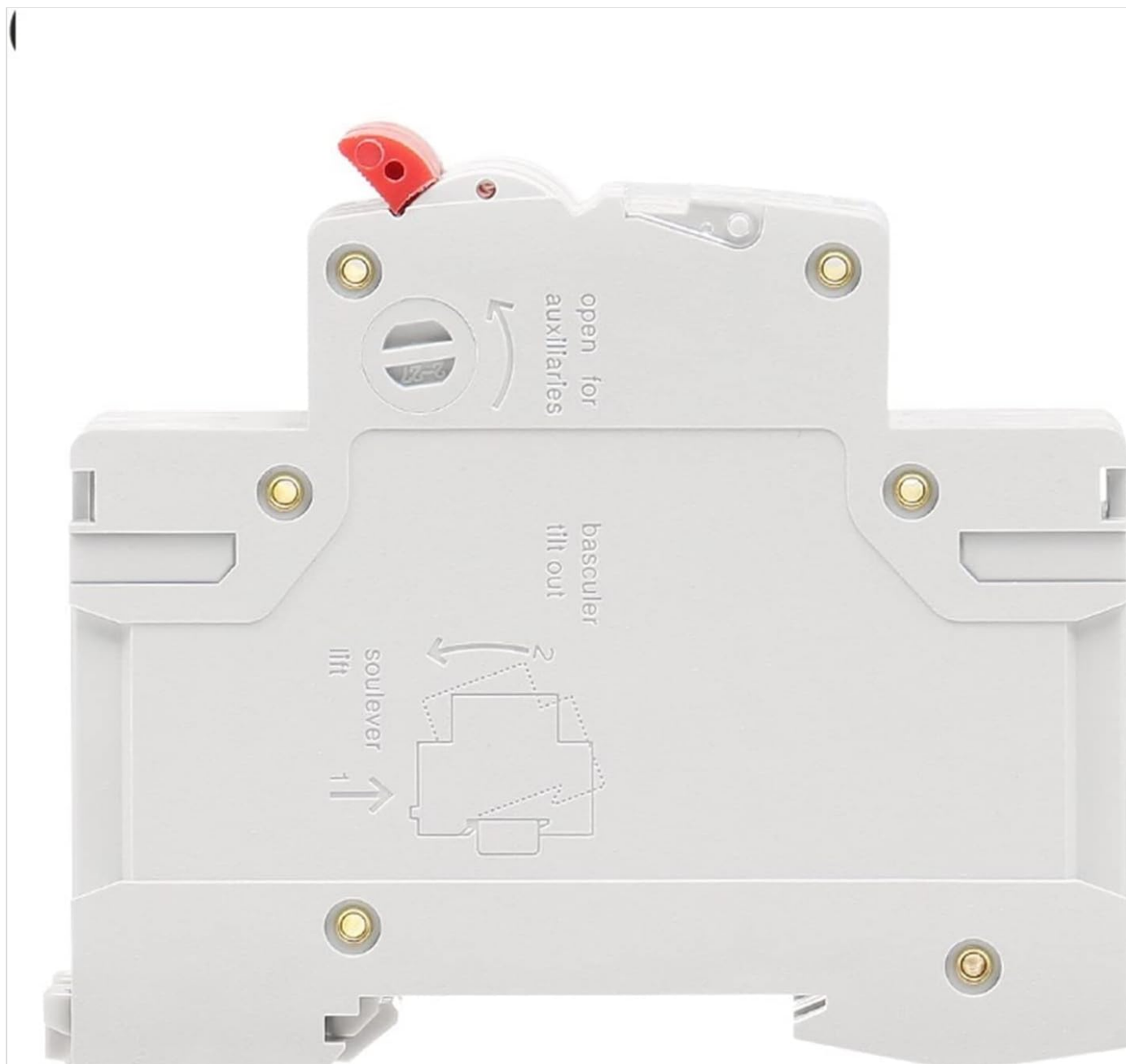


Figure 3.3: Side view of the circuit breaker, illustrating the Din Rail mounting clip and instructions for lifting and tilting out the device.



Figure 3.4: An assortment of GYM8 circuit breakers, showcasing various pole configurations (e.g., 1P, 2P, 3P) and their compact design.

GYM8 4.5KA MCB

AC Type

B/C/D Curve



1P 2P 3P 4P

1A 2A 3A 4A 5A 6A 10A 13A

16A 20A 25A 32A 40A 63A

Figure 3.5: A display of various GYM8 MCBs, indicating different current ratings from 1A to 63A and available pole configurations (1P, 2P, 3P, 4P).

Mounting & dimension

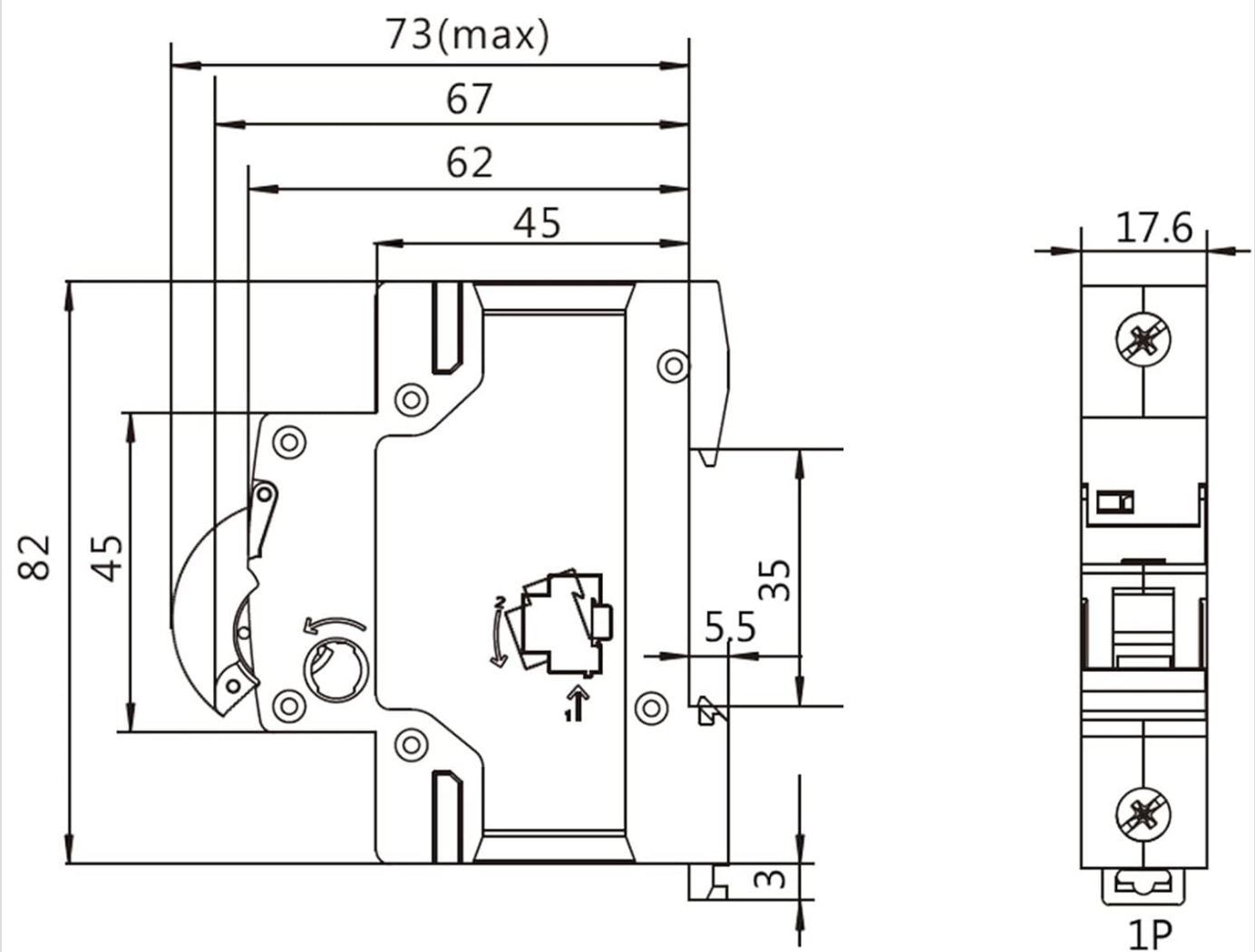


Figure 3.6: Technical drawing illustrating the mounting dimensions and overall size of the GYM8 circuit breaker, including width, height, and depth measurements.

4. SPECIFICATIONS

Feature	Detail
Model	GYM8 3P Din Rail MCB C Curve
Rated Voltage	230V/400V AC
Rated Frequency	50Hz/60Hz
Rated Current Range	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Number of Poles	3 Pole
Tripping Curve	C Curve
Compliance	IEC/EN60898-1
Max. Connecting Ability	16mm ²

Feature	Detail
Wiring Torque	2.5N·m
Item Weight	Approximately 0.035 ounces (per pole, actual weight may vary by configuration)
Manufacturer	FOUNCY

5. SETUP (INSTALLATION)

Before You Begin: Ensure the main power supply to the installation area is completely shut off and locked out to prevent accidental re-energization.

1. Mounting on Din Rail:

Align the circuit breaker's mounting clip with the Din Rail. Press the circuit breaker firmly onto the rail until it clicks into place. Ensure it is securely fastened and does not wobble.

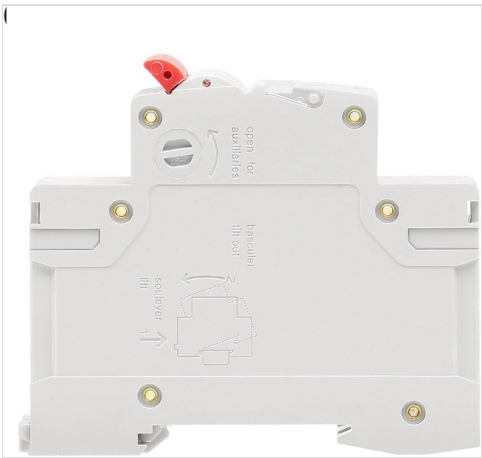


Figure 5.1: Illustration of the Din Rail mounting process. The clip allows for easy attachment and removal.

2. Wiring Connections:

- Connect the incoming phase wires to the top terminals (marked 1, 3, 5) and the outgoing load wires to the bottom terminals (marked 2, 4, 6).
- Ensure all wire ends are stripped to the appropriate length and fully inserted into the terminal blocks.
- Tighten the terminal screws with a screwdriver to a torque of 2.5 N·m. Over-tightening or under-tightening can lead to poor connections and potential hazards.
- The maximum connecting ability for wires is 16mm².
- Utilize bilateral busbar wiring capabilities if connecting multiple circuit breakers with busbars.

3. **Verification:** Double-check all connections for tightness and correct polarity. Ensure no bare wires are exposed.

6. OPERATING INSTRUCTIONS

1. **Switching On:** To energize the circuit, push the red toggle switch(es) upwards to the "ON" position. The indicator will show the contact position.
2. **Switching Off:** To de-energize the circuit, push the red toggle switch(es) downwards to the "OFF" position.
3. **Trip Indication:** If an overcurrent or short circuit occurs, the circuit breaker will automatically trip, moving the toggle switch(es) to an intermediate or "TRIPPED" position. The indicator will reflect this state.
4. **Resetting After a Trip:**
 - First, identify and rectify the cause of the trip (e.g., overloaded circuit, short circuit).
 - Push the toggle switch(es) fully down to the "OFF" position.

- Then, push the toggle switch(es) upwards to the "ON" position to restore power.
- If the breaker trips immediately again, do not force it. Re-investigate the cause of the fault.

7. MAINTENANCE

The GYM8 circuit breaker is designed for minimal maintenance. However, periodic checks are recommended:

- **Visual Inspection:** Regularly inspect the circuit breaker for any signs of physical damage, discoloration, or loose connections.
- **Cleaning:** If necessary, gently clean the exterior of the circuit breaker with a dry, soft cloth. Do not use liquids or abrasive cleaners.
- **Terminal Tightness:** Periodically check the tightness of the terminal screws, especially after initial installation and during routine electrical system checks. Ensure power is off before checking.
- **Functionality Test:** If your electrical system allows for safe testing, periodically test the trip mechanism by simulating an overload or short circuit (only by qualified personnel using appropriate testing equipment).

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Circuit breaker trips frequently.	Overloaded circuit, short circuit, ground fault, faulty appliance.	Reduce load on the circuit, disconnect faulty appliances, inspect wiring for shorts. If problem persists, consult a qualified electrician.
Circuit breaker does not reset.	Persistent fault (overload/short circuit), internal damage to the breaker.	Ensure the fault is cleared. If it still doesn't reset, the breaker may be damaged and needs replacement by a qualified electrician.
Breaker feels hot to the touch.	Loose connections, continuous overload, internal fault.	Immediately disconnect power. Check terminal tightness. Reduce load. If heating persists, replace the breaker. Consult a qualified electrician.

For issues not covered here, or if you are unsure about any troubleshooting steps, always consult a qualified electrician.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your FOUNCY GYM8 3P Din Rail Mini Circuit Breaker, please refer to the product packaging or contact the manufacturer directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

Manufacturer: FOUNCY

For further assistance, you may visit the [FOUNCY Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question