

Mollom HA-5

Mollom 5 Way HA Series Power Distribution Box Instruction Manual

Model: HA-5

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Mollom 5 Way HA Series Power Distribution Box. This IP66 rated enclosure is designed for both indoor and outdoor electrical distribution applications, including solar power systems, residential buildings, workshops, hotels, shopping malls, and power stations. Please read these instructions thoroughly before installation and retain this manual for future reference.

SAFETY INFORMATION

WARNING: Electrical work should only be performed by qualified and licensed personnel. Failure to follow these safety guidelines can result in electric shock, fire, or serious injury.

- Always disconnect power at the main source before installing, servicing, or performing any work on the distribution box.
- Ensure all local and national electrical codes and regulations are strictly followed during installation.
- Verify that the voltage and current ratings of all installed components are compatible with the system.
- Use appropriate personal protective equipment (PPE) such as insulated gloves and safety glasses.
- Do not modify the enclosure or its components in any way not described in this manual.
- Ensure all connections are secure and properly insulated to prevent short circuits.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x Mollom 5 Way HA Series Power Distribution Box
- 1 x Blank Baffle
- 1 x Bus Bar
- 1 x DIN Rail
- 4 x Stainless Steel Screws (for mounting)

- 3 x Waterproof Connectors

SPECIFICATIONS

Feature	Detail
Model	HA-5
Dimensions (L x W x H)	6.5" x 8.8" x 4.13" (16.5 x 22.5 x 10.5 CM)
Material	High-Quality ABS Plastic (2.8 mm thick)
Cover Material	PC (Polycarbonate), transparent and non-yellowing
Waterproof Rating	IP66
Number of Circuits	5 Way
Phase Type	Three Phase
Nut Material	Pure Copper

SETUP AND INSTALLATION

Before beginning installation, ensure all power is disconnected and you have reviewed the safety information.

1. Mounting the Enclosure

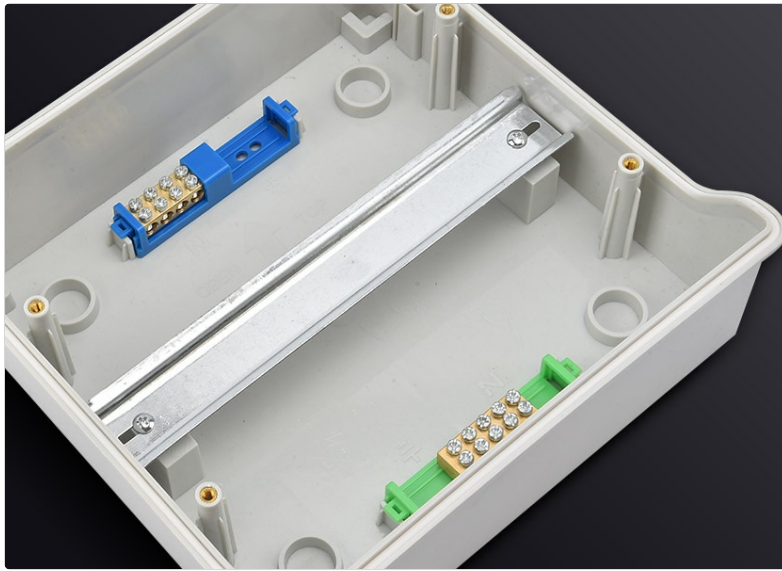
The Mollom distribution box is designed for easy installation on various surfaces. Use the provided stainless steel screws to securely mount the base shell to your desired location. Ensure the mounting surface is stable and can support the weight of the filled enclosure.



Image: The Mollom electrical box shown mounted on a wall, highlighting its suitability for various environments and the ease of installation with included accessories like screws and waterproof connectors.

2. Internal Component Installation (DIN Rail, Bus Bars, MCBs)

Install the provided DIN rail inside the enclosure. The bus bars (for neutral and ground connections) snap into place. Miniature Circuit Breakers (MCBs) can then be easily clipped onto the DIN rail. The pure copper nuts for screw holes ensure durability and ease of frequent changes.



Blue and Green Terminal Blocks Distinguish Incoming and Outgoing Lines

Larger Internal Space Than Products With The Same Terminals



Image: An interior view of the Mollom distribution box, clearly displaying the blue and green terminal blocks designed to differentiate between incoming and outgoing electrical lines. A DIN rail is also visible, ready for the installation of circuit breakers.

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Video: This video demonstrates the installation process of Miniature Circuit Breakers (MCBs) onto the DIN rail within the Mollom Electrical Box, showcasing how components fit securely.

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Video: This video provides a detailed look at a Miniature Circuit Breaker (MCB), demonstrating its breaking capacity and operational mechanism, which is essential for understanding its function within the distribution box.

3. Wiring and Waterproofing

Route all necessary wiring through the designated entry points. Use the provided waterproof connectors to maintain the IP66 rating. Ensure all connections are tight and secure. The enclosure features a waterproof sealing strip to prevent ingress of water, dust, and other contaminants.



Image: A close-up view of the Mollom distribution box, emphasizing the waterproof sealing strip around the lid and the robust waterproof connectors, which are crucial for maintaining its IP66 rating against environmental elements.

OPERATION

Accessing the Enclosure

The transparent cover of the distribution box is secured with dual snap fasteners. To open, simply release these clips. The cover

is made of high-quality PC material, providing clear visibility of internal components without yellowing over time. A pre-drilled locking hole allows for the installation of a combination lock for added security and child safety.



Image: The Mollom distribution box featuring a padlock on its transparent cover, demonstrating the integrated child safety and anti-theft design to prevent unauthorized access to the electrical components.

Circuit Breaker Function

Once MCBs are installed, they function as standard circuit breakers, protecting electrical circuits from overcurrent and short circuits. Operate the MCB switches as needed to control power to individual circuits. The transparent cover allows for easy visual inspection of MCB status.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your distribution box.

- **Periodic Inspection:** Annually inspect the enclosure for any signs of damage, cracks, or loose components. Check the integrity of the waterproof seals.
- **Cleaning:** Clean the exterior of the box with a damp cloth. Avoid using abrasive cleaners or solvents that could damage the ABS plastic or PC cover.
- **Connection Check:** Periodically verify that all electrical connections inside the box are tight and free from corrosion.
- **MCB Functionality:** Test MCBs periodically according to their manufacturer's instructions to ensure they trip correctly.

TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
No power to a circuit	Tripped MCB, loose connection, faulty wiring	Check MCB status and reset if tripped. Inspect wiring for loose connections. Consult a qualified electrician if issue persists.
Water inside the enclosure	Damaged seal, improperly installed waterproof connectors, unsealed entry points	Inspect and replace damaged seals. Ensure waterproof connectors are correctly installed and tightened. Seal any unused entry points.
Cover not closing securely	Obstructed clips, damaged clips, foreign object	Clear any obstructions. Inspect clips for damage. Ensure no foreign objects are preventing proper closure.

WARRANTY AND SUPPORT

Molloom products are manufactured to high-quality standards and are backed by a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation for specific warranty terms and duration. For technical support, troubleshooting assistance, or warranty claims, please contact Molloom customer service through the retailer where the product was purchased or visit the official Molloom website for contact information.

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

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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