MObyat Approach Ss-001

MOBYAT Approach Ss-001 16A Rocker Switch Overload Current Protector

User Manual

1. Introduction

Thank you for choosing the MOBYAT Approach Ss-001 16A Rocker Switch Overload Current Protector. This device is designed to provide reliable circuit protection against overcurrent conditions, ensuring the safety and longevity of your electrical appliances and systems. This manual provides essential information for the proper installation, operation, and maintenance of your circuit breaker.

2. Safety Information

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Work:** All electrical work should be performed by a qualified electrician or competent person in accordance with local and national electrical codes.
- **Power Disconnection:** Always disconnect power to the circuit before installing, servicing, or removing the circuit breaker.
- **Voltage and Current Ratings:** Ensure the circuit breaker's voltage and current ratings match the requirements of your application. Do not exceed the specified ratings.
- **Proper Wiring:** Use appropriate wire gauges and ensure all connections are secure and properly insulated.
- **Environmental Conditions:** Do not install the circuit breaker in environments with excessive moisture, dust, or corrosive substances unless specifically rated for such conditions.

3. Product Overview

The MOBYAT Approach Ss-001 is a compact thermal circuit breaker with a rocker switch for manual operation and a reset function. It is designed for panel mounting and provides reliable overcurrent protection for various electrical devices.



Figure 3.1: An image displaying the MOBYAT Approach Ss-001 16A Rocker Switch Overload Current Protector, highlighting its key dimensions including length, width, and height for installation planning.

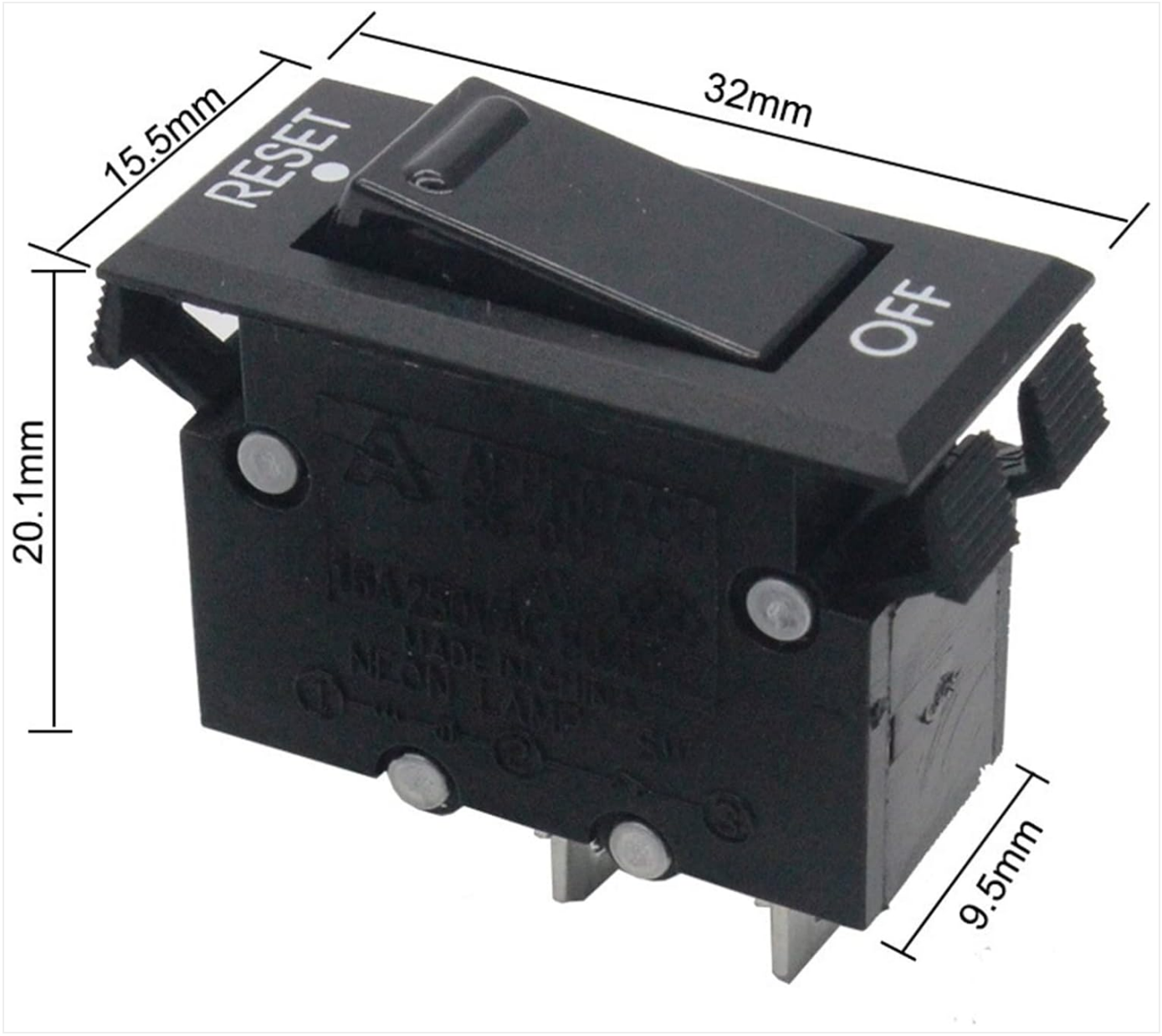


Figure 3.2: A view of the underside of the MOBYAT Approach Ss-001 circuit breaker, indicating its electrical specifications such as 16 Amps, 250 Volts AC, and 50/60Hz frequency, along with CUL and VDE certifications.

4. Specifications

Feature	Specification
Brand	MObyat
Model	Approach Ss-001
Circuit Breaker Type	Thermal
Current Rating	16A
Voltage Rating	250VAC
Frequency	50/60Hz
Mounting Type	Panel Mount
Number of Poles	1

Feature	Specification
Item Weight	1 Grams

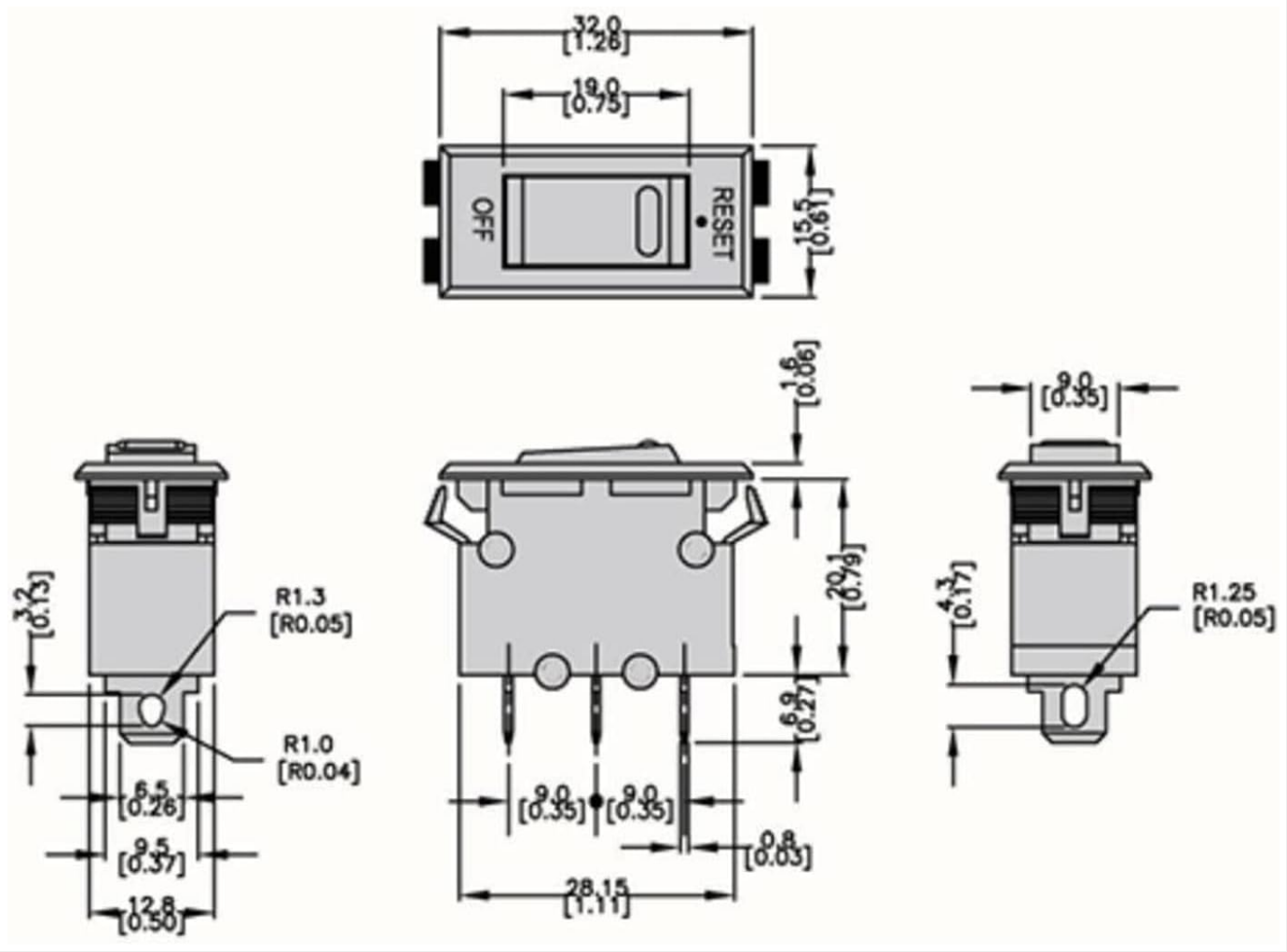


Figure 4.1: A detailed technical drawing providing precise measurements and dimensions of the MOBYAT Approach Ss-001 circuit breaker, essential for accurate panel mounting and integration.

5. Setup and Installation

Follow these steps for proper installation of the MOBYAT Approach Ss-001 circuit breaker:

1. **Disconnect Power:** Ensure all power to the circuit where the breaker will be installed is completely disconnected at the main power source.
2. **Prepare Mounting Hole:** Create an appropriately sized rectangular cutout in the panel for the circuit breaker. Refer to the technical drawing in Section 4 for precise dimensions.
3. **Insert Breaker:** Carefully insert the circuit breaker into the prepared cutout. The snap-in design should secure it firmly in place.
4. **Wire Connections:** Connect the input and output wires to the appropriate terminals on the underside of the circuit breaker. Ensure connections are tight and secure. Refer to local electrical codes for wiring standards.
5. **Verify Installation:** Double-check all connections and ensure the breaker is securely mounted.
6. **Restore Power:** Once installation is complete and verified, restore power to the circuit.



Figure 5.1: A composite image showing the MOBYAT Approach Ss-001 circuit breaker from various angles, including top, side, and bottom views, illustrating its physical design and terminal configuration.



Figure 5.2: An image demonstrating typical applications of the MOBYAT Approach Ss-001 circuit breaker, integrated into common household devices such as power strips and surge protectors to provide overload protection.

6. Operating Instructions

The MOBYAT Approach Ss-001 features a simple rocker switch for operation and a reset mechanism for overcurrent events.

- **Turning On:** Press the rocker switch to the 'ON' position to close the circuit and allow current flow.
- **Turning Off:** Press the rocker switch to the 'OFF' position to open the circuit and stop current flow.
- **Overload Protection (Trip):** If an overcurrent condition occurs, the internal thermal mechanism will trip, automatically moving the rocker switch to the 'OFF' or 'RESET' position, interrupting the circuit. This protects connected devices from damage.
- **Resetting the Breaker:** After a trip, identify and resolve the cause of the overcurrent (e.g., unplug overloaded devices). Once the issue is resolved, press the rocker switch firmly to the 'RESET' position (if applicable, some models automatically reset to OFF) and then to the 'ON' position to restore power. If the breaker trips immediately again, do not force it; investigate further for a persistent fault.

7. Maintenance

The MOBYAT Approach Ss-001 circuit breaker requires minimal maintenance.

- **Regular Inspection:** Periodically inspect the circuit breaker for any signs of physical damage, discoloration, or loose connections.
- **Cleaning:** If necessary, gently wipe the exterior of the breaker with a dry, soft cloth. Do not use abrasive cleaners or solvents. Ensure power is disconnected before cleaning.
- **Testing:** While not typically required for thermal breakers, if you suspect a malfunction, consult a qualified electrician for testing.

8. Troubleshooting

If you encounter issues with your circuit breaker, refer to the following common problems and solutions:

- **Breaker Trips Frequently:**
  - **Cause:** Overload on the circuit. Too many devices are drawing current simultaneously.
  - **Solution:** Reduce the load on the circuit by unplugging some devices.
  - **Cause:** Short circuit or ground fault.
  - **Solution:** Disconnect all devices from the circuit and try to reset the breaker. If it still trips, there may be a wiring fault. Consult a qualified electrician.
- **Breaker Does Not Reset:**
  - **Cause:** Persistent overload or fault.
  - **Solution:** Ensure all devices are disconnected from the circuit. If it still won't reset, the breaker itself might be faulty or there's a severe wiring issue. Do not force the switch. Consult a qualified electrician.
- **No Power to Circuit (Breaker is ON):**
  - **Cause:** Loose wiring connection or fault elsewhere in the circuit.
  - **Solution:** Check all wiring connections to the breaker. If connections are secure, investigate other parts of the circuit. Consult a qualified electrician.

9. Warranty and Support

For warranty information or technical support regarding your MOBYAT Approach Ss-001 circuit breaker, please refer to the product packaging or contact your retailer. Keep your purchase receipt as proof of purchase.

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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