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Hager sb

Hager sb Modular Switch Cut Sb 2 Pole 32A User Manual

Model: sb

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Hager sb Modular Switch Cut Sb 2 Pole 32A. Please read this manual thoroughly before installation and use, and retain it for future reference.

The Hager sb Modular Switch is designed for electrical circuit control, offering reliable switching capabilities for various applications. It is a 2-pole, 32A rated device, suitable for modular installations.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and servicing should only be performed by qualified personnel.

- Always disconnect power at the main circuit breaker or fuse box before installing or servicing this device.
- Ensure all wiring complies with local and national electrical codes.
- Do not install in wet or damp locations unless specifically rated for such environments.
- Verify the voltage and current ratings of the switch match the circuit requirements.
- Use appropriate personal protective equipment (PPE) during installation.

3. PRODUCT OVERVIEW

The Hager sb Modular Switch is a compact device designed for integration into electrical distribution boards. It features clearly marked terminals and an intuitive operating lever.



Figure 3.1: Front view of the Hager sb Modular Switch. This image shows the compact design, the operating lever, and the terminal connections at the top and bottom of the unit. The Hager brand logo and model number SBN225 are visible on the front face.

Key components include:

- **Operating Lever:** Used to manually switch the circuit ON or OFF.
- **Terminals:** Screw terminals for connecting incoming and outgoing electrical wires.
- **DIN Rail Clip:** Located on the rear for easy mounting onto a standard DIN rail.
- **Rating Label:** Displays model number, current rating (32A), and voltage rating.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the Hager sb Modular Switch:

1. **Power Disconnection:** Before starting, ensure the main power supply to the distribution board is completely disconnected and locked out. Verify with a voltage tester.
2. **Mounting:** Clip the modular switch onto the DIN rail within the electrical enclosure. Ensure it is securely seated.
3. **Wiring:**

- Connect the incoming phase (L) and neutral (N) wires to the upper terminals (typically marked 1 and 3).
- Connect the outgoing phase (L') and neutral (N') wires to the lower terminals (typically marked 2 and 4).
- Ensure all wire connections are tight and secure to prevent loose connections and overheating. Use appropriate wire gauges for 32A current.

4. **Verification:** Double-check all connections for correctness and tightness. Ensure no bare wires are exposed.

5. **Enclosure Closure:** Close the electrical enclosure securely.

6. **Power Restoration:** Restore power to the distribution board.

Consult a qualified electrician if you are unsure about any part of the installation process.

5. OPERATION

The Hager sb Modular Switch operates manually via its front lever.

- **To Turn ON:** Push the operating lever upwards to the "ON" or "I" position. The circuit connected to the switch will be energized.
- **To Turn OFF:** Push the operating lever downwards to the "OFF" or "O" position. The circuit connected to the switch will be de-energized.

The switch provides a clear visual indication of its status (ON/OFF) through the position of the lever.

6. MAINTENANCE

The Hager sb Modular Switch is designed for long-term, maintenance-free operation under normal conditions. However, periodic checks are recommended:

- **Visual Inspection:** Periodically inspect the switch for any signs of physical damage, discoloration, or loose connections.
- **Terminal Tightness:** With power disconnected, occasionally check the tightness of the terminal screws to ensure good electrical contact.
- **Cleaning:** If necessary, clean the exterior of the switch with a dry, lint-free cloth. Do not use abrasive cleaners or solvents.

WARNING: Always disconnect power before performing any maintenance or inspection.

7. TROUBLESHOOTING

If you encounter issues with your Hager sb Modular Switch, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Switch does not turn ON.	No power supply to the switch; internal fault.	Check upstream circuit breaker/fuse. Verify main power supply. If power is present and switch still doesn't operate, it may be faulty and require replacement.

Problem	Possible Cause	Solution
Switch feels loose on DIN rail.	Improperly clipped; damaged DIN rail clip.	Ensure the switch is correctly clipped onto the DIN rail. If the clip is damaged, the switch may need replacement.
Overheating at terminals.	Loose wire connections; undersized wiring; excessive load.	Disconnect power and tighten all terminal screws. Ensure wiring gauge is appropriate for 32A. Reduce load if it exceeds the switch's rating.

If the problem persists after troubleshooting, contact a qualified electrician or Hager customer support.

8. SPECIFICATIONS

Feature	Detail
Product Name	Modular Switch Cut Sb
Poles	2 Pole
Current Rating	32A
Model Number	sb (SBN232)
Product Dimensions	5.51 x 3.78 x 4.92 inches
Item Weight	2.82 ounces
Manufacturer	Hager
ASIN	B00OYVLQQI

9. WARRANTY AND SUPPORT

Information regarding specific warranty terms and customer support contact details for the Hager sb Modular Switch Cut Sb 2 Pole 32A was not provided in the product data. For warranty claims or technical assistance, please refer to the official Hager website or contact your point of purchase.

You can typically find more information on the official Hager website: www.hager.com