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> MAS SUB Mini Push Button Momentary Switch User Manual

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Model: Mini Push Button Momentary Switch

## INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your MAS SUB Mini Push Button Momentary Switch. This momentary one-position switch comes pre-wired for easy installation and is designed for multiple uses in 12V, 3Amp applications. Please read this manual thoroughly before use to ensure proper function and safety.

## SAFETY INFORMATION

Always observe the following safety precautions:

- Ensure power is disconnected before installation or maintenance to prevent electrical shock.
- Verify the voltage and current ratings of your application match the switch specifications (12V, 3Amps).
- Do not exceed the specified current rating to avoid damage to the switch or connected devices.
- Install the switch in a dry environment, away from moisture and extreme temperatures.
- If you are unsure about any installation steps, consult a qualified professional.

## PRODUCT OVERVIEW

The MAS SUB Mini Push Button Momentary Switch is a compact and versatile component designed for various electrical applications requiring a temporary contact closure. It features a durable metal body and a pre-wired connector for straightforward integration.



**Figure 1:** Overall view of the MAS SUB Mini Push Button Momentary Switch, showing the red push button, metal housing, and pre-wired red and black leads with a blue connector.



**Figure 2:** Detailed view of the switch's push button and the blue plug connector, highlighting the compact design and pre-wired nature.

## SPECIFICATIONS

Feature	Specification
Operation Mode	ON-OFF (Momentary)
Current Rating	3 Amps
Operating Voltage	12 Volts
Contact Type	Normally Open (N/O)
Connector Type	Plug In
Mount Hole Size	1/4 inch (approx.)

Feature	Specification
Actuator Type	Push Button
Contact Material	Brass
Product Dimensions	3 x 2 x 0.2 inches

## SETUP AND INSTALLATION

The MAS SUB Mini Push Button Momentary Switch is designed for easy installation due to its pre-wired nature. Follow these steps for proper setup:

- Prepare the Mounting Location:** Identify a suitable location for the switch. A 1/4-inch diameter hole is required for mounting the switch body. Ensure there is enough space behind the mounting surface for the wiring and connector.
- Disconnect Power:** Before making any electrical connections, ensure that the power source to the circuit you are connecting the switch to is completely disconnected. This is crucial for safety.
- Mount the Switch:** Insert the threaded body of the switch into the pre-drilled 1/4-inch hole. Secure it in place using the provided nut on the backside of the mounting surface. Tighten firmly but do not overtighten.
- Connect Wiring:** The switch comes with pre-wired leads (typically red and black) and a blue plug connector. Connect this plug to the corresponding receptacle in your 12V circuit. Ensure the polarity is correct if your application requires it. The switch functions as a momentary normally open (N/O) contact, meaning it completes the circuit only while the button is pressed.
- Test Functionality:** Once all connections are secure and the switch is mounted, carefully re-connect power to the circuit. Press the push button to verify that it activates the intended function momentarily.

*Note: The pre-wired design simplifies installation, making it suitable for various automotive, industrial, or hobbyist applications.*

## OPERATING INSTRUCTIONS

The MAS SUB Mini Push Button Momentary Switch operates as a simple momentary ON-OFF switch. When the button is pressed, the internal contacts close, completing the circuit. When the button is released, the contacts open, breaking the circuit.

- To Activate:** Firmly press the red push button. The circuit will be closed for as long as the button is held down.
- To Deactivate:** Release the red push button. The circuit will open immediately upon release.

This momentary action is ideal for applications such as horn buttons, starter buttons, valet switches for alarm systems, or any function requiring a temporary electrical signal.

## MAINTENANCE

The MAS SUB Mini Push Button Momentary Switch requires minimal maintenance. Adhering to the following guidelines will help ensure its longevity:

- Cleaning:** If necessary, gently wipe the exterior of the switch with a clean, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish or internal components.
- Inspection:** Periodically inspect the wiring and connections for any signs of wear, fraying, or corrosion. Ensure the mounting nut remains tight.
- Environmental Protection:** While durable, avoid exposing the switch to excessive moisture, dust, or extreme

temperatures beyond its operating range.

## TROUBLESHOOTING

If you encounter issues with your MAS SUB Mini Push Button Momentary Switch, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Switch does not activate device	No power to circuit; Incorrect wiring; Faulty connection; Device malfunction	Check power supply; Verify wiring connections and polarity; Ensure plug is fully seated; Test the device independently
Switch feels loose after installation	Mounting nut is loose	Tighten the mounting nut securely
Switch button is stuck or unresponsive	Debris lodged in mechanism; Internal damage	Gently try to dislodge any visible debris (with power off); If persistent, the switch may need replacement
Device remains ON/OFF after button release	Switch contacts are stuck (not momentary)	This indicates a faulty switch. Replace the switch.

## WARRANTY AND SUPPORT

For warranty information or technical support regarding your MAS SUB Mini Push Button Momentary Switch, please refer to the original purchase documentation or contact MAS customer service directly. Contact details can typically be found on the manufacturer's official website or through your retailer.

For additional resources and product information, you may visit the [MAS Brand Store on Amazon](#).

