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## Schneider Electric XB5AT842

# Schneider Electric XB5AT842 Emergency Stop Push Button Switch User Manual

Model: XB5AT842

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of the Schneider Electric XB5AT842 Emergency Stop Push Button Switch. Designed for industrial machinery, this Harmony XB5 series button features a 40mm red mushroom head, a latched push-pull mechanism, and screw-clamp terminals. It is built for durability and high visibility in demanding environments.

## SAFETY INFORMATION

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Always adhere to local and national electrical codes and safety regulations when installing or servicing industrial control components. Ensure power is disconnected before beginning any installation or maintenance work. This device is intended for use by qualified personnel only.

- Disconnect all power sources before installation or maintenance.
- Use appropriate personal protective equipment (PPE).
- Verify proper wiring and connections before restoring power.
- Ensure the emergency stop function is tested regularly after installation and during routine maintenance.

## SETUP AND INSTALLATION

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The XB5AT842 emergency stop button is designed for quick and easy installation into standard 22mm diameter cut-outs. Connections are made using simple screw-clamp terminals, ensuring a secure and reliable electrical connection.



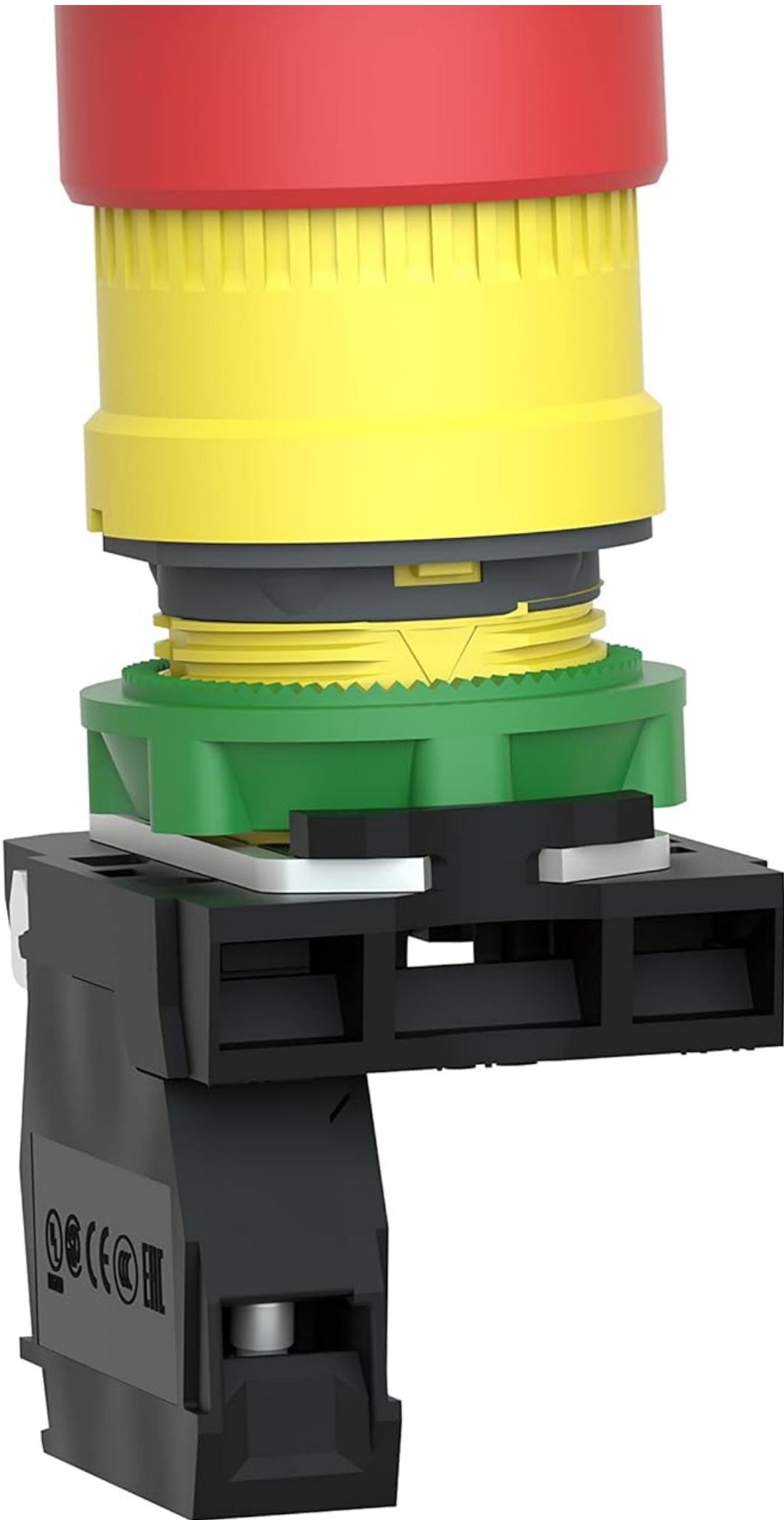


Figure 1: Exploded view showing the various components of the XB5AT842 switch, including the red mushroom head, yellow body, green mounting collar, and black contact block.



Figure 2: Side view of the assembled XB5AT842 switch, highlighting the contact block with screw terminals for wiring. The contact block is labeled 'NC' for Normally Closed, indicating its default state.

## Installation Steps:

1. Prepare a 22mm diameter cut-out on your control panel or enclosure.
2. Insert the mushroom head and body assembly through the front of the panel.
3. Secure the assembly from the rear using the provided mounting collar.
4. Attach the contact block to the rear of the switch assembly.
5. Connect wiring to the screw-clamp terminals. Ensure correct polarity and secure connections.
6. Verify the switch operates correctly by pressing and pulling the mushroom head.

## OPERATION

The XB5AT842 features a latched push-pull mechanism. To activate the emergency stop function, firmly push the red mushroom head. The button will latch in the depressed position, cutting off power to the connected machinery. To reset the switch and restore power, pull the mushroom head outwards until it returns to its original position.





Figure 3: Front view of the XB5AT842 Emergency Stop Push Button Switch, showing the prominent 40mm red mushroom head designed for high visibility and easy actuation in emergency situations.

The clear red color and prominent 40mm mushroom shape ensure high visibility, allowing for quick identification and actuation in critical situations, enhancing operator safety.

## MAINTENANCE

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The XB5AT842 is designed for rugged industrial environments. Its plastic bezel provides excellent resistance to chemical agents and offers double electrical insulation. With an IP66 rating, it is impact resistant, dust resistant, water resistant, and vibration resistant, minimizing the need for frequent maintenance.

- Periodically inspect the switch for any signs of physical damage or wear.
- Ensure the mushroom head moves freely and latches/unlatches correctly.
- Check screw-clamp terminals for tightness to prevent loose connections.
- Clean the surface with a damp cloth; avoid abrasive cleaners or solvents.

## TROUBLESHOOTING

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If the emergency stop switch is not functioning as expected, consider the following common issues:

- **Switch not latching/unlatching:** Check for any obstructions or debris preventing the mechanism from operating smoothly. Ensure the button is fully pushed or pulled.
- **No power interruption:** Verify that the contact block is correctly installed and wired. Check the continuity of the Normally Closed (NC) contact when the button is pressed.
- **Intermittent operation:** Inspect all wiring connections for looseness or corrosion at the screw-clamp terminals.
- **Physical damage:** If the switch housing or mushroom head is cracked or broken, the unit may need replacement to maintain its IP rating and functional integrity.

For issues not resolved by these steps, contact Schneider Electric customer support or a qualified electrician.

## SPECIFICATIONS

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Feature	Detail
Model Number	XB5AT842
Operation Mode	1 NC (Normally Closed)
Actuator Type	Push Button (Mushroom Head)
Actuator Diameter	40mm
Mechanism	Latched Push-Pull
Color	Red
Bezel Material	Plastic
Connector Type	Screw Clamp
Current Rating	1 Milliamps
Contact Material	Silver

Feature	Detail
International Protection Rating	IP66, IP67, IP69, IP69K
Operating Temperature	-40°C to 70°C
Product Dimensions (L x W x H)	1.69 x 2.09 x 3.46 inches
Item Weight	1.76 ounces

## WARRANTY AND SUPPORT

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The Schneider Electric XB5AT842 Emergency Stop Push Button Switch is covered by an 18-month warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

### Certifications:

This emergency stop button is certified by leading international organizations, ensuring compliance with rigorous industry standards. Certifications include:

- CSA
- LROS (Lloyds Register of Shipping)
- BV
- GL
- UL

For further support, technical assistance, or to explore other Schneider Electric products, please visit the official [Schneider Electric Store on Amazon](#).