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EATON 271640

Eaton 271640 Blue Release Button Instruction Manual

1. INTRODUCTION

Welcome to the instruction manual for the Eaton 271640 Blue Release Button. This document provides essential information for the safe and effective installation, operation, and maintenance of your device. Please read this manual thoroughly before use and retain it for future reference.

2. PRODUCT OVERVIEW

The Eaton 271640 is a robust blue release button designed for various electrical control applications. It features a prominent 'R' marking, indicating its function, typically for reset or release operations within a control circuit. This component is part of the M22 series, known for its reliability and ease of integration into control panels.



This image displays the Eaton 271640 blue release button. The button face is blue with a white 'R' symbol, set within a silver-colored bezel. A black shaft extends from the rear, indicating its mounting mechanism.

3. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the device and associated equipment.

3.1 General Safety

- Installation and maintenance should only be performed by qualified and authorized personnel.
- Ensure all power is disconnected before beginning any installation, wiring, or maintenance procedures.
- Adhere to all local and national electrical codes and regulations.
- Do not operate the device if it appears damaged.
- Protect the device from moisture, dust, and extreme temperatures unless specified for such environments.

3.2 Electrical Safety

- Verify correct voltage and current ratings before connecting the device.

- Use appropriate personal protective equipment (PPE) during installation and servicing.
- Ensure proper grounding where required.

4. SETUP AND INSTALLATION

Proper installation is crucial for the reliable operation of the Eaton 271640 release button.

4.1 Mounting

- The Eaton 271640 release button is designed for panel mounting.
- Ensure the mounting hole diameter is appropriate for the M22 series components.
- Secure the button firmly using the manufacturer's recommended mounting hardware.

4.2 Wiring

- Before wiring, ensure all power to the control panel or circuit is completely disconnected.
- Refer to the wiring diagram of your specific control system for correct terminal connections.
- Connect the button's terminals to the appropriate control circuit inputs.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Double-check all wiring against the system diagram before restoring power.

5. OPERATING INSTRUCTIONS

The Eaton 271640 functions as a momentary or latching release button, depending on the specific M22 operator type and associated contact blocks used in your system.

- To activate the release function, press the blue button with the 'R' marking.
- The button will typically return to its original position upon release (momentary action) or remain depressed until manually reset (latching action, if applicable to your configuration).
- Observe the system's response to confirm correct operation after activation.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your Eaton 271640 release button.

- **Regular Inspection:** Periodically inspect the button for any signs of physical damage, wear, or loose connections. Ensure the button mechanism moves freely without obstruction.
- **Cleaning:** Clean the button surface with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals that could damage the material or markings.
- **Environmental Protection:** Ensure the operating environment remains within the specified conditions (temperature, humidity, dust levels) to prevent premature wear or malfunction.

7. TROUBLESHOOTING

If you encounter issues with your Eaton 271640 release button, refer to the following common troubleshooting steps.

7.1 Button Not Responding

- **Power Supply:** Check if power is supplied to the control circuit where the button is installed.
- **Wiring:** Verify all wiring connections are secure, correct, and free from damage.

- **Mechanical Obstruction:** Inspect the button for any mechanical obstruction or damage that might prevent it from being pressed or returning to its original position.
- **Contact Block:** Ensure the associated contact block (if external) is properly installed and functioning correctly.

7.2 Intermittent Operation

- **Loose Connections:** Re-check all wiring connections for looseness.
- **Debris:** Inspect for dirt or debris affecting the button mechanism or contact points.
- **Environmental Factors:** Consider if excessive vibration, humidity, or temperature fluctuations are impacting performance.

If issues persist after performing these checks, it is recommended to consult a qualified electrician or contact Eaton technical support for further assistance.

8. SPECIFICATIONS

Model Number	271640
Brand	EATON
Product Type	Release Button (M22 Series)
Color	Blue with 'R' marking
Weight	23 g
Country of Origin	Germany
ASIN	B01BRLACGW
First Available Date	August 16, 2016

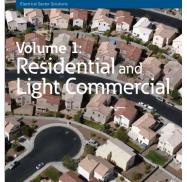
Note: The product dimensions (120 x 30 x 30 cm) listed in some product information are likely for packaging. The Eaton 271640 is a compact control component. For precise technical specifications like voltage, current, contact configuration, and environmental ratings, please refer to the official Eaton datasheet for model 271640.

9. WARRANTY AND SUPPORT

Specific warranty information for the Eaton 271640 is not provided within this instruction manual.

- For warranty details, please refer to your purchase documentation, sales receipt, or contact your authorized Eaton distributor or reseller.
- For technical support, product inquiries, or further assistance, please visit the official Eaton website or contact their customer service department directly.

Related Documents - 271640

	<p><u>Eaton RMQ-Titan Advanced Indicator M22-AI-81: Installation, Mounting, and Configuration Guide</u></p> <p>Comprehensive installation and mounting guide for the Eaton RMQ-Titan Advanced Indicator (M22-AI-81). Includes safety warnings, technical specifications, wiring, dimensions, and configuration details.</p>
	<p><u>Eaton Aerospace Master Technical Publications Index List</u></p> <p>A comprehensive index of technical publications for Eaton Aerospace products, detailing part numbers, model numbers, document types, issue dates, aircraft platforms, and manufacturing sites. This list serves as a crucial resource for maintaining and servicing aerospace components.</p>
	<p><u>Eaton PXR 20/25 Power Xpert® Release</u></p> <p>PXR 20/25 Power Xpert® Release</p> <p>IZM</p>
	<p><u>Eaton Electrical Sector Solutions: Volume 1 - Residential and Light Commercial Loadcenters and Circuit Breakers</u></p> <p>Explore Eaton's comprehensive catalog for Volume 1: Residential and Light Commercial electrical solutions, featuring detailed information on loadcenters, circuit breakers, and related accessories for power distribution and safety.</p>
	<p><u>Eaton Retrofit Interior Kits: Upgrade Electrical Panels Safely & Cost-Effectively</u></p> <p>Eaton's Retrofit Interior Kits provide a cost-effective and safe solution to upgrade outdated electrical panels in homes and apartments without removing the existing enclosure. Learn about features, specifications, and ordering.</p>
	<p><u>Eaton PXR 20/25 Trip Unit for Series NRX User Manual</u></p> <p>This user manual provides detailed instructions and technical specifications for the Eaton PXR 20/25 Trip Unit, a critical component for Series NRX circuit breakers. Learn about protection features, settings, maintenance, and communication.</p>