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› 5069-RTB18-SCREW Compact 5000 18-Screw RTB User Manual

BAYDE 5069-RTB18-SCREW

5069-RTB18-SCREW Compact 5000 18-Screw RTB User Manual

Model: 5069-RTB18-SCREW

Brand: BAYDE

1. OVERVIEW

The 5069-RTB18-SCREW is a Compact 5000 18-Screw Removable Terminal Block (RTB) designed for use with Allen Bradley industrial control systems. This component provides a secure and reliable interface for connecting field wiring to compatible I/O modules within the Compact 5000 series, facilitating efficient and organized electrical connections.



Front view of the 5069-RTB18-SCREW Compact 5000 18-Screw RTB, showing the screw terminals and the module interface.

2. SAFETY INFORMATION

Always observe proper safety precautions when working with electrical equipment. Installation and maintenance should only be performed by qualified personnel. Disconnect all power before installing, wiring, or servicing the terminal block or associated modules.

- Ensure power is OFF before handling.
- Use appropriate personal protective equipment (PPE).
- Follow all local and national electrical codes.
- Verify correct wiring before applying power.

3. SETUP AND INSTALLATION

The 5069-RTB18-SCREW is designed for easy integration with Allen Bradley Compact 5000 I/O modules.

3.1 Mounting

1. Ensure the associated Compact 5000 I/O module is securely mounted in its designated slot or on the DIN rail.
2. Align the 5069-RTB18-SCREW with the corresponding receptacle on the I/O module.
3. Gently push the terminal block into place until it clicks, indicating a secure connection.

3.2 Wiring Connections

The terminal block features 18 screw terminals for connecting field devices.



Side view of the 5069-RTB18-SCREW RTB, highlighting the 18 screw terminals for wiring connections.

1. Refer to the wiring diagram of your specific Compact 5000 I/O module for correct terminal assignments.
2. Strip the insulation from the wire ends to the recommended length (typically 6-8 mm).
3. Insert the stripped wire into the appropriate screw terminal.
4. Tighten the screw using a Torx screwdriver (as specified in the product specifications) until the wire is firmly secured. Do not overtighten.
5. Verify that all connections are secure and that no bare wire strands are exposed outside the terminal.



End view of the 5069-RTB18-SCREW RTB, showing the numbered terminal points for precise wiring identification.

4. OPERATION

Once properly installed and wired, the 5069-RTB18-SCREW functions as a passive electrical interface. Its operation is directly tied to the I/O module it is connected to. Ensure all wiring is correct and secure to allow for reliable signal transmission between field devices and the Compact 5000 system.

- Verify that all connections are tight and free from corrosion.
- Confirm that the terminal block is fully seated into the I/O module.
- Monitor the system for proper signal flow as per the I/O module's specifications.

5. MAINTENANCE

The 5069-RTB18-SCREW requires minimal maintenance. Regular inspection is recommended to ensure continued reliable operation.

- **Periodic Inspection:** Visually inspect the terminal block and its connections for any signs of wear, damage, loose wires, or corrosion.
- **Cleaning:** If dust or debris accumulates, gently clean the surface of the terminal block using a soft, dry cloth or a low-pressure air blower. Do not use liquid cleaners or solvents.
- **Retightening:** Periodically check and retighten screw terminals if necessary, especially in environments

subject to vibration or significant temperature fluctuations.

6. TROUBLESHOOTING

As a passive component, most issues related to the 5069-RTB18-SCREW stem from improper installation or wiring.

- **No Signal/Intermittent Signal:**
 - Check for loose or improperly terminated wires at the screw terminals.
 - Ensure the terminal block is fully seated into the I/O module.
 - Verify that the correct wire is connected to the correct terminal as per the module's wiring diagram.
- **Physical Damage:**
 - If the terminal block is physically damaged (e.g., cracked housing, broken terminals), it should be replaced immediately.

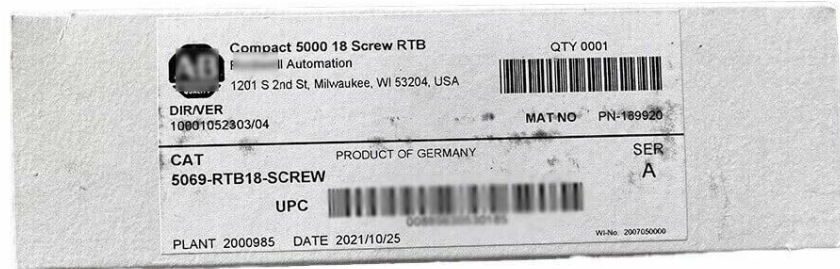
For issues related to the I/O module or system functionality, refer to the specific documentation for your Allen Bradley Compact 5000 module.

7. SPECIFICATIONS

Attribute	Value
Model No.	5069-RTB18-SCREW
Material	Stainless Steel
Drive System	Torx
Head Style	Flat
Exterior Finish	Plain
Point Style	Roller Point

8. SUPPORT AND QUALITY ASSURANCE

BAYDE is committed to providing high-quality industrial components. All 5069-RTB18-SCREW units are original new products, manufactured by the brand's original factory, ensuring reliability and performance. For any inquiries regarding this product, other models, or technical support, please consult your distributor or the manufacturer's official support channels. We aim to ensure a positive experience for all our buyers.



Product packaging for the 5069-RTB18-SCREW, displaying model number and manufacturing details.