

## CungSu CM-1300

# CungSu CM-1300 Industrial Component Instruction Manual

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of the CungSu CM-1300 industrial electrical component. Please read this document thoroughly before attempting any installation, operation, or maintenance procedures. Adherence to these instructions will ensure proper function and longevity of the product.

## 2. SAFETY INFORMATION

**WARNING: Electrical components can cause serious injury or death if not handled properly. Always follow safety guidelines.**

- Ensure all power is disconnected from the circuit before installation, wiring, or maintenance.
- Installation and wiring should only be performed by qualified personnel in accordance with local and national electrical codes.
- Do not exceed the specified electrical ratings (voltage and current).
- Protect the component from moisture, dust, and extreme temperatures unless otherwise specified for its operating environment.
- Verify all connections are secure before restoring power.

## 3. PRODUCT OVERVIEW

The CungSu CM-1300 is a robust industrial electrical component, typically used as a microswitch or limit switch in automation systems. It features a plunger-actuated mechanism designed for reliable detection and control within various machinery and equipment.



Image 1: The CungSu CM-1300 component. This black rectangular device features a silver plunger on its top surface. Markings on the side clearly display 'CM-1300', 'AC-15 Ue:250V Ie:15A', 'DC-13 Ue:220V Ie:0.3A', 'EN60947-5-1', 'GB14048.5', and CE certification symbols, indicating its electrical specifications and compliance with international standards.

## 4. SETUP AND INSTALLATION

- Mounting:** Securely mount the CM-1300 component to a stable surface using appropriate fasteners. Ensure the mounting position allows for proper actuation of the plunger mechanism by the target object or machine part.
- Wiring:**
  - Before wiring, ensure all power to the circuit is completely disconnected.
  - Identify the terminal connections on the CM-1300. Refer to your system's electrical schematic for correct wiring configuration (e.g., Normally Open (NO) or Normally Closed (NC) contacts).
  - Connect the appropriate wires to the terminals. Ensure all connections are tight and secure to prevent loose contacts or short circuits.
  - Verify that the voltage and current of your application do not exceed the component's ratings: AC-15 (Ue: 250V, Ie: 15A) or DC-13 (Ue: 220V, Ie: 0.3A).
- Testing:** After installation and wiring, carefully restore power to the circuit. Test the component's functionality by manually actuating the plunger to confirm correct electrical switching.

## 5. OPERATION

The CungSu CM-1300 operates as a mechanical switch. When the plunger on the top surface is depressed by an external force (e.g., a moving part of machinery), the internal contacts change state. This change in contact state can be used to trigger an action, stop a process, or provide feedback to a control system.

- Actuation:** The switch is activated when the plunger is pressed down.
- Release:** The switch returns to its original state when the plunger is released.
- Ensure the mechanical force applied to the plunger is within acceptable limits to prevent damage to the switch.

## 6. MAINTENANCE

The CM-1300 is designed for minimal maintenance. However, periodic checks can help ensure optimal performance.

- **Cleaning:** Keep the component free from excessive dust, dirt, and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive materials.
- **Inspection:** Periodically inspect the wiring connections for tightness and signs of corrosion or damage. Check the physical condition of the component for any cracks, wear, or mechanical interference with the plunger.
- **No User-Serviceable Parts:** The CM-1300 does not contain any user-serviceable parts. Do not attempt to open or repair the unit, as this may void the warranty and compromise safety.

## 7. TROUBLESHOOTING

If you encounter issues with your CM-1300 component, consider the following troubleshooting steps:

- **Component Not Activating:**
  - Verify that power is supplied to the circuit.
  - Check all wiring connections for proper installation and tightness.
  - Ensure the mechanical actuation mechanism is correctly aligned and applying sufficient force to the plunger.
  - Confirm the component's electrical ratings match the application's requirements.
- **Intermittent Operation:**
  - Inspect for loose wiring connections.
  - Check for excessive vibration or mechanical play in the actuation mechanism.
  - Ensure the operating environment is within specified temperature and humidity ranges.
- **Physical Damage:** If the component shows signs of physical damage, replace it immediately.

If troubleshooting steps do not resolve the issue, please contact customer support.

## 8. SPECIFICATIONS

Specification	Detail
Model Number	CM-1300
Brand	CungSu
Part Number	CM-1300
AC Rating (AC-15)	Ue: 250V, Ie: 15A
DC Rating (DC-13)	Ue: 220V, Ie: 0.3A
Compliance Standards	EN60947-5-1, GB14048.5
Product Status	New with Factory Seal

## 9. WARRANTY AND SUPPORT

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The CungSu CM-1300 component is manufactured to high standards. For specific warranty information, please refer to the documentation provided with your purchase or contact the seller directly.

For any issues regarding the product or technical assistance, please contact Realing US. As a company focused on factory automation business with a team of passionate engineers, Realing US is dedicated to providing excellent customer service and support for this product.

**Contact Information:** Please refer to your purchase documentation or the seller's Amazon store page for the most current contact details for Realing US.