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Model: SND4132-SP-C

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the yancinne SND4132-SP-C Limit Switch. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

The SND4132-SP-C is a robust limit switch designed for industrial applications, featuring a durable construction and reliable performance. It is rated for 10 Amperes current and 600V voltage, with an IP67 protection rating.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Ensure power is disconnected before installation or maintenance.
- Installation should be performed by qualified personnel only.
- Do not exceed the specified electrical ratings (10A, 600V).
- Protect the switch from excessive mechanical force or impact.
- Verify proper wiring connections before applying power.

3. PRODUCT OVERVIEW

The yancinne SND4132-SP-C is a plunger-type limit switch. Its design allows for precise detection of mechanical position in various industrial machinery.



Figure 3.1: Front view of the yancinne SND4132-SP-C Limit Switch. The image shows the red and black housing, the plunger actuator at the top, and the product label with model number and electrical ratings.

Key Features:

- Model: SND4132-SP-C
- Current Rating: 10 Amperes
- Voltage Rating: 600V
- Protection Rating: IP67
- Mounting Type: Screw Mount
- Enclosure Type: 1

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the limit switch:

1. **Mounting:** Secure the switch using the screw mounting points. Ensure the mounting surface is stable and free from vibrations.
2. **Wiring:** Refer to the wiring diagram on the product label.

- Terminals 13-14: Normally Open (NO) contact.
- Terminals 21-22: Normally Closed (NC) contact.

Connect the appropriate wires to the terminals based on your application's requirements. Ensure all connections are tight and secure.

3. **Actuator Adjustment:** Position the switch so that the plunger actuator is properly engaged by the moving part of the machinery. Ensure sufficient overtravel and reset distance for reliable operation.
4. **Environmental Considerations:** While the switch has an IP67 rating, avoid direct exposure to harsh chemicals or extreme temperatures beyond its operating range.

5. OPERATING INSTRUCTIONS

The SND4132-SP-C limit switch operates by detecting the physical presence or absence of an object. When the plunger actuator is depressed, the internal contacts change state.

- **Normally Open (NO) Contacts (13-14):** These contacts are open when the actuator is not depressed and close when the actuator is depressed.
- **Normally Closed (NC) Contacts (21-22):** These contacts are closed when the actuator is not depressed and open when the actuator is depressed.

Ensure the mechanical movement activating the switch is consistent and within the switch's operational limits to prevent premature wear or failure.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and reliability of your limit switch:

- **Inspection:** Periodically inspect the switch for any signs of physical damage, wear on the actuator, or loose connections.
- **Cleaning:** Keep the switch free from excessive dust, dirt, and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Connection Check:** Verify that all electrical connections remain tight and free from corrosion.
- **Actuator Function:** Manually test the actuator's movement to ensure it operates smoothly and returns to its original position without sticking.

7. TROUBLESHOOTING

If you encounter issues with your limit switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Switch not activating	Incorrect actuator position; Loose wiring; Damaged switch.	Adjust actuator position; Check and tighten wiring; Replace switch if damaged.
Intermittent operation	Vibration; Loose connections; Worn actuator.	Secure mounting; Check wiring; Inspect and replace actuator if worn.
Switch stuck in one position	Mechanical obstruction; Internal damage.	Remove obstruction; Replace switch.

If the problem persists after attempting these solutions, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model	SND4132-SP-C
Brand	yancinne
Current Rating	10 Amperes
Voltage Rating (Ui)	600V
Protection Rating	IP67
Mounting Type	Screw Mount
Enclosure Type	1
Package Dimensions	35 x 35 x 35 cm
Weight	1 kg

9. WARRANTY INFORMATION

This yancinne SND4132-SP-C Limit Switch comes with a **180-day warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, abuse, unauthorized modifications, or natural disasters.

For warranty claims, please retain your proof of purchase and contact customer support.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue, please contact yancinne customer support. Refer to the seller's contact information on your purchase receipt or the product packaging.

Note: If you cannot confirm the part number, please send an email first for assistance.

