HZVEKCRI LANN22N

HZVEKCRI LANN22N Auxiliary Contact Instruction Manual

Model: LANN22N

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of the HZVEKCRI LANN22N Auxiliary Contact. Please read this manual thoroughly before using the product and retain it for future reference.
The HZVEKCRI LANN22N is an auxiliary contact block designed for use with motor contactors, providing additional normally open (NO) and normally closed (NC) contacts for control circuits.

2. Safety Information

WARNING: Electrical Hazard

- Installation and maintenance must be performed by qualified personnel only.
- Ensure all power is disconnected before installation, wiring, or maintenance to prevent electric shock.
- Verify correct wiring connections according to applicable electrical codes and diagrams.
- Do not operate the device if it appears damaged.

3. Product Overview

The HZVEKCRI LANN22N auxiliary contact block features multiple contact configurations for versatile control applications. It is designed for easy attachment to compatible motor contactors.



Figure 1: HZVEKCRI LANN22N Auxiliary Contact

This image displays the HZVEKCRI LANN22N auxiliary contact. Visible labels include "LANN22N" on the side and front. The top terminals are labeled 53 NO, 61 NC, 71 NC, 83 NO. The bottom terminals are labeled 54 NO, 62 NC, 72 NC, 84 NO. An orange indicator is present in the center. The side label also indicates specifications such as "10A" and "Ui: 690V", and standards "EC 60947-5", "GBT 14048.5".

Key features include:

- Multiple Normally Open (NO) and Normally Closed (NC) contacts.
- Designed for front mounting on compatible contactors.
- Clear terminal markings for easy wiring.

4. Setup and Installation

1. **Power Disconnection:** Ensure that the main power supply to the contactor circuit is completely disconnected and locked out before beginning installation.
2. **Identify Mounting Location:** The LANN22N auxiliary contact is typically designed for front mounting onto a compatible motor contactor. Locate the designated mounting slots or clips on the contactor.

3. **Attach Auxiliary Contact:** Align the auxiliary contact block with the mounting mechanism on the contactor. Gently push or clip the auxiliary contact into place until it is securely fastened. Ensure there is no wobble or loose connection.
4. **Wiring:** Refer to your control circuit diagram for specific wiring requirements. Connect the control wires to the appropriate terminals (NO or NC) on the auxiliary contact. The terminals are clearly marked:
    - **NO (Normally Open) Contacts:** 53-54, 83-84
    - **NC (Normally Closed) Contacts:** 61-62, 71-72

    Ensure all connections are tight and secure.
5. **Verify Installation:** Double-check all connections and ensure the auxiliary contact is firmly attached to the main contactor.
6. **Restore Power:** Once installation is complete and verified, restore power to the circuit.

5. Operating Instructions

The HZVEKCRI LANN22N auxiliary contact operates in conjunction with the main motor contactor. When the main contactor coil is energized, its main contacts change state, and simultaneously, the auxiliary contacts on the LANN22N also change state.

- **Normally Open (NO) Contacts:** These contacts are open when the main contactor is de-energized and close when the main contactor is energized.
- **Normally Closed (NC) Contacts:** These contacts are closed when the main contactor is de-energized and open when the main contactor is energized.

The auxiliary contacts are used for signaling, interlocking, or controlling other components in the control circuit based on the state of the main contactor.

6. Maintenance

The HZVEKCRI LANN22N auxiliary contact is designed for reliable operation with minimal maintenance. However, periodic checks are recommended to ensure optimal performance and safety.

- **Visual Inspection:** Periodically inspect the auxiliary contact for any signs of physical damage, discoloration, or loose connections.
- **Terminal Tightness:** Ensure all wiring terminals remain tight. Loose connections can lead to overheating or intermittent operation.
- **Cleanliness:** Keep the device free from dust, dirt, and moisture. Use a dry, lint-free cloth for cleaning. Do not use solvents or abrasive cleaners.
- **Functionality Check:** If possible and safe to do so, periodically verify the correct operation of the NO and NC contacts in conjunction with the main contactor.

Always disconnect power before performing any maintenance.

7. Troubleshooting

If you encounter issues with the HZVEKCRI LANN22N auxiliary contact, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Auxiliary contact not changing state.	Main contactor not energizing. Incorrect wiring. Loose connection. Damaged auxiliary contact.	Check main contactor coil and control circuit. Verify wiring against circuit diagram. Tighten all terminal screws. Replace the auxiliary contact if damaged.
Intermittent operation.	Loose wiring connections. Dust or debris interfering with contacts.	Check and tighten all connections. Clean the device (with power off).

If problems persist after following these steps, contact qualified technical support.

8. Specifications

Parameter	Value
Model	LANN22N (Replaces LAEN22, LAEN22N)
Brand	HZVEKCRI
Contact Configuration	2 Normally Open (NO), 2 Normally Closed (NC)
Rated Current (Ith)	10 A
Rated Insulation Voltage (Ui)	690 V
Standards	EC 60947-5, GBT 14048.5
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	3.95 ounces
Manufacturer	HZVEKCRI
Date First Available	May 16, 2025

9. Warranty and Support

For warranty information or technical support, please contact your retailer or the manufacturer, HZVEKCRI. Keep your purchase receipt as proof of purchase.
For further assistance, please refer to the official HZVEKCRI website or contact their customer service department.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question