

Hager HZC312

Hager HZC312 Auxiliary Contact Instruction Manual

Model: HZC312

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Hager HZC312 Auxiliary Contact. Please read this manual thoroughly before attempting any installation or operation to ensure proper function and safety.

The Hager HZC312 is an auxiliary contact designed for use with load disconnectors, featuring 2 Normally Closed (NC) contacts and rated for 40/160A applications.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and servicing must be performed by qualified personnel only. Disconnect all power before working on the device.

- Always follow local and national electrical codes.
- Ensure the power supply is completely disconnected and locked out before installation or maintenance.
- Use appropriate personal protective equipment (PPE).
- Do not operate the device if it appears damaged.

3. PRODUCT OVERVIEW

The Hager HZC312 is an auxiliary contact module designed to extend the functionality of compatible load disconnectors. It provides two Normally Closed (NC) contacts, allowing for additional control and signaling within an electrical system. The unit is constructed from durable alloy steel and features screw terminals for secure electrical connections.



HZC312

Hilfskontakt 2 Schließer Lasttrennschalter 20-125A

Technische Eigenschaften

Installation, Montage

Einbau-/Anschlussort Seite

Konnektivität

Anschlussart Schraubanschluss

Nachhaltigkeit

REACH-SVHC frei Ja

RoHS-konform Ja

Figure 1: Hager HZC312 Auxiliary Contact Module. This image shows the compact design of the HZC312 auxiliary contact, highlighting its screw terminals for electrical connections and the model number label.

4. SETUP AND INSTALLATION

The HZC312 auxiliary contact is designed for straightforward installation onto compatible Hager load disconnectors. Ensure the main disconnector is de-energized before proceeding.

4.1 Mounting

1. Identify the designated mounting location on the main load disconnector.
2. Align the HZC312 auxiliary contact with the mounting points.
3. Securely attach the auxiliary contact to the main device according to the disconnector's specific instructions.

4.2 Electrical Connection

The HZC312 utilizes screw terminals for electrical connections.

1. Prepare the wiring by stripping insulation to the appropriate length for the screw terminals.
2. Insert the wires into the designated screw terminals for the 2 NC contacts.
3. Tighten the screws firmly to ensure a secure and reliable electrical connection. Do not overtighten.
4. Verify all connections are correct and secure before re-energizing the system.

5. OPERATING INSTRUCTIONS

The HZC312 auxiliary contact operates in conjunction with the main load disconnector to which it is attached. Its contacts change state based on the position of the main disconnector.

- **Normally Closed (NC) Contacts:** The 2 NC contacts are closed when the main disconnector is in its normal (off or open) position. They will open when the main disconnector is switched to its operating (on or closed) position.

- The auxiliary contacts are used for signaling, interlocking, or control circuits, providing feedback on the status of the main disconnecter.

Refer to the instruction manual of the main load disconnecter for specific operational details and how the auxiliary contacts integrate into the overall system.

6. MAINTENANCE

The Hager HZC312 auxiliary contact is designed for minimal maintenance. Regular inspections are recommended to ensure continued reliable operation.

- **Visual Inspection:** Periodically inspect the auxiliary contact for any signs of physical damage, discoloration, or loose connections.
- **Cleaning:** If necessary, gently clean the exterior of the device with a dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Connection Check:** Ensure all screw terminals remain tight. Re-tighten if any looseness is detected, ensuring power is disconnected first.

No internal user-serviceable parts are present. Do not attempt to disassemble the unit.

7. TROUBLESHOOTING

If the HZC312 auxiliary contact is not functioning as expected, consider the following common issues:

- **Incorrect Wiring:** Verify that the auxiliary contacts are wired correctly according to the system's schematic.
- **Loose Connections:** Check all screw terminals for tightness. Loose connections can lead to intermittent operation or failure.
- **Damage:** Inspect the unit for any visible damage. If damage is present, the unit may need replacement.
- **Main Disconnecter Issue:** Ensure the main load disconnecter, to which the HZC312 is attached, is functioning correctly. The auxiliary contact's operation is dependent on the main device.

If problems persist after checking these points, contact qualified electrical personnel or Hager technical support.

8. SPECIFICATIONS

The following are the technical specifications for the Hager HZC312 Auxiliary Contact:

Specification	Value
Model	HZC312
Contact Type	2 Normally Closed (NC)
Current Rating	40/160 Amps (Auxiliary contact for 40/160A load disconnectors)
Number of Circuits	2
Connection Type	Screw Terminal
Material	Alloy Steel

Specification	Value
Phase Type	Three Phase (for compatible load disconnectors)
REACH-SVHC Status	Free (Compliant)
RoHS Compliance	Compliant
Manufacturer	Hager

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding the Hager HZC312 Auxiliary Contact, please refer to the official Hager website or contact your local Hager distributor.

Keep your purchase receipt and product information handy when contacting support.