

ODQLXODQD-4P40A2NO2NC220V

GEYA Compatible 4P 40A 2NO2NC 220V AC Modular Contactor Instruction Manual

Model: ODQLXODQD-4P40A2NO2NC220V | Brand: Generic

1. PRODUCT OVERVIEW

This manual provides essential information for the safe installation, operation, and maintenance of the GEYA Compatible 4P 40A 2NO2NC 220V AC Modular Contactor. This device is designed for reliable power switching in various household and industrial AC applications, particularly for DIN rail mounting.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation and maintenance should only be performed by qualified personnel. Disconnect all power before working on the contactor or connected equipment.

- Ensure the power supply matches the contactor's rated voltage and current.
- Do not operate the contactor if it appears damaged.
- Follow all local and national electrical codes during installation.
- Proper grounding is essential for safety.

3. PRODUCT FEATURES

- Precision Electrical Control: Ensures reliable power switching for HVAC systems and industrial equipment with smooth operation.
- Durable Silver Alloy Contacts: Provides superior conductivity and arc resistance for extended product lifespan.
- Universal Voltage Compatibility: Works with 220V/230V 50/60HZ AC systems for flexible installations.
- Weather-Resistant Housing: Protects internal components from moisture, dust, and temperature fluctuations.
- Quick-Connect Terminals: Simplified wiring with clearly marked screw terminals for hassle-free maintenance.

4. PACKAGE CONTENTS

Verify that all components are present and undamaged:

- 1 x GEYA Compatible 4P 40A 2NO2NC 220V AC Modular Contactor
- Instruction Manual (this document)

5. INSTALLATION AND WIRING

The contactor is designed for mounting on a standard 35mm DIN rail. Ensure adequate ventilation around the device.

1. Mounting:

Align the contactor's rear clip with the DIN rail. Press firmly until it clicks into place. To remove, pull the yellow tab at the bottom and lift the contactor off the rail.



Image: Bottom view of the modular contactor, highlighting the yellow tab used for releasing the device from a DIN rail.

2. **Wiring:**

Connect the main circuit wires to the power terminals (1, 3, 5, 7 for input; 2, 4, 6, 8 for output). Connect the control circuit wires to the coil terminals (A1 and A2). Ensure all connections are secure and tightened to the specified torque (refer to device markings for torque values, typically 0.8Nm for control, 3.5Nm for power).



Image: Front view of the contactor, displaying the main power terminals (1, 3, 5, 7 at top; 2, 4, 6, 8 at bottom) and coil terminals (A1, A2).



Image: Angled perspective of the contactor, providing a clear view of the screw terminals for both power and control connections.

3. Configuration:

This model features 2 Normally Open (NO) and 2 Normally Closed (NC) contacts. Refer to the wiring diagram on the device for specific contact assignments.

6. OPERATING INSTRUCTIONS

The contactor can be operated manually or automatically via its coil.

- **Automatic Operation:** When voltage is applied to the A1 and A2 coil terminals, the contactor will energize, changing the state of its contacts (NO contacts close, NC contacts open). When voltage is removed, the contacts return to their original state.
- **Manual Operation:** The contactor features a manual override switch.
 - To manually engage the contacts, move the switch to the "On" or "P" position.
 - To return to automatic control, move the switch to the "Auto" position.



Image: Front view of the contactor, highlighting the manual operation switch with "Auto" and "P" (presumably for manual/permanent) positions.

7. MAINTENANCE

Regular inspection and cleaning can prolong the life of the contactor.

- **Periodic Inspection:** Check for loose connections, signs of overheating (discoloration), or physical damage.
- **Cleaning:** Disconnect power before cleaning. Use a dry, soft cloth to wipe away dust and debris. Do not use solvents or abrasive cleaners.
- **Contact Wear:** While silver alloy contacts are durable, excessive arcing or frequent operation under heavy loads can cause wear. Replace the contactor if significant contact wear is observed.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Contactor does not energize	No control voltage to A1/A2; Loose wiring; Damaged coil.	Check control circuit voltage; Verify all connections are secure; Test coil resistance (if qualified).
Contactor hums loudly	Loose laminations; Incorrect voltage; Foreign object in magnetic path.	Ensure proper mounting; Verify control voltage; Inspect for obstructions (disconnect power first).
Contacts overheat or weld	Overload condition; Frequent switching; Insufficient contact pressure.	Check load current against contactor rating; Reduce switching frequency; Replace contactor if contacts are damaged.

9. SPECIFICATIONS

Model Number	ODQLXODQD-4P40A2NO2NC220V
Brand	Generic
Number of Poles	4
Contact Configuration	2 Normally Open (NO), 2 Normally Closed (NC)
Rated Current	40A
Coil Voltage	220V/230V AC
Frequency	50/60Hz
Mounting Type	35mm DIN Rail
Certification	CE
Item Weight	3.53 ounces (approx. 100g)
Package Dimensions	0.39 x 0.39 x 0.39 inches - <i>Note: These dimensions appear to be placeholder values and may not reflect the actual product size.</i>

Note: Specifications are subject to change without prior notice.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the seller or manufacturer's official channels.

Keep your purchase receipt for any warranty claims.

For further assistance, contact your supplier or a qualified electrician.