

UOFKIPBA SEV3600ADXL

UOFKIPBA High Voltage DC Contactor

MODEL: SEV3600ADXL (24V)

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of the UOFKIPBA SEV3600ADXL High Voltage DC Contactor. Please read this manual thoroughly before using the product and retain it for future reference. This device is designed for controlling high voltage DC circuits, commonly found in applications such as charging piles and industrial electrical systems.

2. Safety Information

WARNING: Electrical shock hazard. Only qualified personnel should install, operate, or service this device. Failure to follow these instructions can result in serious injury or death.

- Always disconnect power before installing or servicing the contactor.
- Ensure proper grounding and wiring according to local and national electrical codes.
- Do not exceed the specified voltage and current ratings.
- Protect the device from moisture, dust, and extreme temperatures.
- Verify all connections are secure before applying power.

3. Product Overview

The UOFKIPBA SEV3600ADXL is a high-performance DC contactor designed for reliable switching of high voltage direct current. It features robust construction suitable for demanding industrial environments.



Image showing a UOFKIPBA high voltage DC contactor. This representative image displays two main terminals with nuts and washers for power connections, and a label indicating 'SAYOON', 'SEV600AHXL', 'Coil Voltage: 12V-24V DC', and 'Rated Current: 600A'. The actual product is SEV3600ADXL with a 24V coil.

Key components include the main power terminals for connecting the high voltage DC load and the coil terminals for controlling the contactor's state (energized/de-energized).

4. Specifications

Parameter	Value
Brand	UOFKIPBA
Model	SEV3600ADXL
Coil Voltage	24V DC
Rated Current	600A (Typical for series)
Item Weight	1.76 ounces
Package Dimensions	1.18 x 0.79 x 0.39 inches
ASIN	B0CZHRBYDN
First Available Date	March 30, 2024

5. Setup and Installation

Follow these steps for proper installation:

- Mounting:** Securely mount the contactor in a stable, vibration-free location, ensuring adequate ventilation.
- Power Wiring:** Connect the high voltage DC power source to the main terminals (typically marked + and - or A1 and A2 for the main contacts). Ensure correct polarity and use appropriately sized cables for the rated current.
- Control Wiring:** Connect the 24V DC control voltage to the coil terminals. Observe correct polarity if specified on the device.
- Verification:** Double-check all wiring connections for tightness and correctness before applying any power.

6. Operating Instructions

The contactor operates by energizing its coil:

- To Close Contacts (Energize):** Apply the specified 24V DC control voltage to the coil terminals. The contactor will audibly click as the main contacts close, establishing the high voltage DC circuit.
- To Open Contacts (De-energize):** Remove the 24V DC control voltage from the coil terminals. The contactor will audibly click as the main contacts open, breaking the high voltage DC circuit.

Ensure that the control circuit is stable and provides the correct voltage to prevent erratic operation.

7. Maintenance

Regular maintenance helps ensure optimal performance and longevity:

- Visual Inspection:** Periodically inspect the contactor for any signs of physical damage, discoloration, or loose connections.
- Terminal Tightness:** Check and tighten all terminal screws as necessary, especially after initial installation and during routine maintenance.
- Cleaning:** Keep the contactor free from dust and debris. Use a dry, non-conductive cloth for cleaning. Do not use solvents.

- **Environmental Conditions:** Ensure the operating environment remains within the specified temperature and humidity ranges.

8. Troubleshooting

Problem	Possible Cause	Solution
Contactor does not energize	No control voltage; incorrect control voltage; faulty coil; loose wiring.	Verify 24V DC control voltage at coil terminals; check wiring connections; replace contactor if coil is faulty.
Contactor hums or chatters	Insufficient control voltage; mechanical obstruction; foreign material.	Ensure stable 24V DC control voltage; inspect for obstructions; clean contactor.
Overheating	Overcurrent; poor ventilation; loose connections.	Check load current against rating; improve ventilation; tighten all connections.

If issues persist after troubleshooting, contact a qualified electrician or technical support.

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact UOFKIPBA customer service through their official channels. Keep your purchase receipt as proof of purchase.