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### 6ED1052-2CC08-0BA1

# User Manual

Original Simatic 6ED1052-2CC08-0BA1 LOGO! 24CEo Logic Module

## PRODUCT OVERVIEW

The Original Simatic 6ED1052-2CC08-0BA1 LOGO! 24CEo Logic Module is a programmable logic controller (PLC) designed for various automation tasks. It serves as a direct replacement for the 6ED1052-2CC01-0BA8 model, offering enhanced capabilities and reliability. This module is certified with CE, ensuring compliance with European safety, health, and environmental protection requirements.



**Figure 1:** Front view of the Simatic 6ED1052-2CC08-0BA1 LOGO! 24CEo Logic Module. The image displays the grey casing of the module with various input/output terminals labeled at the top and bottom. The "LOGO!" branding is visible on the front, along with a small display panel and control buttons. The module also features a "KEMATION" label and regulatory markings like "CE" and "AC."

## SAFETY INFORMATION

Always adhere to local and national electrical codes and regulations during installation and operation. Ensure the power supply is disconnected before performing any wiring or maintenance. This device should only be installed and serviced by qualified personnel. Do not operate the module if it is damaged or if any components are missing.

- Disconnect power before installation or maintenance.
- Ensure proper grounding.
- Avoid exposure to moisture or extreme temperatures.
- Do not open the casing unless instructed by official documentation.

## SETUP AND INSTALLATION

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The LOGO! 24CEo Logic Module is designed for DIN rail mounting. Follow these steps for proper installation:

1. **Mounting:** Securely attach the module to a standard DIN rail in an electrical enclosure. Ensure adequate ventilation around the module.
2. **Power Supply Connection:** Connect the 24V DC power supply to the designated terminals (L+ and M). Observe polarity.
3. **Input Wiring:** Connect your digital and analog input signals to the respective input terminals (e.g., I1-I8 for digital inputs). Refer to the terminal labels on the module.
4. **Output Wiring:** Connect your output devices (e.g., relays, contactors) to the output terminals (e.g., Q1-Q4). Ensure the load current does not exceed the module's specifications.
5. **Network Connection (LAN):** If using network communication, connect an Ethernet cable to the LAN port.
6. **Memory Card (Optional):** Insert a compatible memory card into the slot if program storage or data logging is required.

Verify all connections are secure before applying power.

## OPERATING INSTRUCTIONS

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Once installed and powered, the LOGO! module can be programmed and operated. Programming is typically done using Siemens LOGO! Soft Comfort software.

- **Power On:** Apply 24V DC power. The module's status indicators should illuminate.
- **Program Download:** Use LOGO! Soft Comfort software to create and download your control program to the module via the Ethernet connection or memory card.
- **Run/Stop Mode:** The module typically has a run/stop switch or software control to switch between operating modes. Ensure the module is in 'Run' mode for program execution.
- **Monitoring:** Monitor input/output status and program execution through the module's display or via the software.
- **Manual Control:** Some basic functions or diagnostics might be accessible directly from the module's front panel buttons and display.

For detailed programming and operational procedures, refer to the comprehensive LOGO! Soft Comfort software manual and Siemens' official documentation.

## MAINTENANCE

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The LOGO! 24CEo Logic Module is designed for minimal maintenance. However, regular checks can ensure optimal performance and longevity.

- **Cleaning:** Periodically clean the exterior of the module with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Connection Checks:** Annually inspect all wiring connections for tightness and signs of corrosion. Re-tighten if necessary.

- **Environmental Conditions:** Ensure the operating environment remains within the specified temperature and humidity ranges to prevent damage.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates. Follow official instructions carefully when performing updates.

## TROUBLESHOOTING

This section provides solutions to common issues you might encounter with the LOGO! 24CEo Logic Module.

Problem	Possible Cause	Solution
Module does not power on.	No power supply; incorrect wiring; faulty power supply.	Verify 24V DC power supply connection and voltage. Check wiring for correct polarity and secure connections. Test power supply unit.
Inputs not responding.	Incorrect input wiring; faulty sensor/switch; program logic error.	Check input wiring against diagram. Test sensor/switch functionality. Review LOGO! program for correct input assignments and logic.
Outputs not activating.	Incorrect output wiring; faulty actuator; program logic error; overloaded output.	Verify output wiring. Test actuator. Check program logic for output conditions. Ensure output current does not exceed module limits.
Communication issues (LAN).	Incorrect IP settings; faulty Ethernet cable; network configuration problem.	Check IP address and subnet mask settings on both module and PC. Replace Ethernet cable. Verify network router/switch configuration.

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

## SPECIFICATIONS

Feature	Detail
Model Number	6ED1052-2CC08-0BA1
Product Type	PLC Module (Logic Module)
Input Voltage	24V DC
Certification	CE
Origin	Mainland China
Manufacturer	DAVITU
Material (Internal/External)	Copper (internal components)
Replacement For	6ED1052-2CC01-0BA8

## WARRANTY AND SUPPORT

This product is typically covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller directly. Technical support for the LOGO! series

modules is generally provided by Siemens or authorized distributors.

For further assistance, please contact your supplier or visit the official Siemens support website for LOGO! products.

- **Seller:** Moocus
- **Return Policy:** 30 days for refund/replacement