



# SIEMENS 6ED1052-1MD08-0BA2 Programmable Relay Instruction Manual

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# SIEMENS

03/2024 Edition

LOGO!

Compact Operating Instructions

Original instructions

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## Notes on Safety and Product Conformity

### Function

SIMATIC products control, regulate and monitor applications in automation systems, for example in the field of industrial automation technology and process engineering.

### EU and UK Declaration of Conformity

- You can find the EU Declaration of Conformity here on the Internet  
(<https://support.industry.siemens.com/cs/ww/en/ps/13617/cert?ct=444&ci=526>).
- You can find the UK Declaration of Conformity here on the Internet  
(<https://support.industry.siemens.com/cs/ww/en/ps/13617/cert?ct=444&ci=5596>).

### Firmware

You will find the latest firmware versions for LOGO! on the Internet

(<https://support.industry.siemens.com/cs/search?t=all&search=LOGO!&type=Download&lc=en-WW>).

## Documentation

The complete documentation for LOGO! consists of operating manuals, product information documents and the system manual. You will find these on the Internet

(<https://support.industry.siemens.com/cs/ww/en/view/109744222>).

## Retention of the documentation

Retain this documentation for later use.

1. Download the documentation after receiving your product and before initial installation/commissioning.
2. Retain this version of the documentation.

## Updating the documentation

The documentation of the product is updated in digital form. In particular in the case of function extensions, the new performance features are provided in an updated version.

1. Download the current version as described above.
2. Also retain this version of the documentation.

## Intended use

The product may be operated only by personnel qualified for the specific task in accordance with the relevant documentation, in particular its warning notices and safety information. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products.

### WARNING

#### Intended use

SIMATIC products are intended for automation of machine plants, process control and process engineering. Refer to the associated documentation (<https://support.industry.siemens.com/cs/ww/en/view/109744222>) to learn about the intended area of application of the respective product (e.g. ambient conditions, possible use in safety-critical systems).

If third-party products and components are used, these have to be recommended or approved by Siemens.

Proper transport, proper storage, setup, assembly/disassembly, installation, commissioning, operation, maintenance and decommissioning are required to ensure that the product and its accessories operate safely and without any problems.

Non-observance may result in death or serious physical injury.

Read the notes in the corresponding documentation (<https://support.industry.siemens.com/cs/ww/en/view/109744222>).

Observe the ambient conditions for intended operation as described in the “Technical specifications” section of the system and equipment manuals.

### WARNING

#### Connection of the power supply

The power supply may only be connected by qualified and authorized personnel. In particular, observe the information in the documentation (<https://support.industry.siemens.com/cs/ww/en/view/109744222>) and on the nameplate of the device.

#### NOTE

The power supply must be connected by the operator/user in accordance with the national regulations regarding installation.

### WARNING

#### Danger from voltage/current!

Only perform assembly and disassembly work when the device is de-energized.

Only install products with IP20 degree of protection according to IEC 60529 in enclosures, cabinets, or electrical

equipment rooms suitable for the end use that meet at least this degree of protection.

## **WARNING**

Electric shock due to externally supplied plant units

Even if the main supply to the plant is disconnected, externally supplied plant units can continue to carry voltage. An electric shock on contact with live parts can lead to death or serious injury.

Therefore, ensure that the plant is completely disconnected from the power supply before starting work. This means that all externally supplied plant units must also be disconnected from the power supply.

## **WARNING**

### **Electric shock due to permissible electric potential difference**

Due to the permissible electric potential difference, a dangerous voltage may be present at the inputs of modules. An electric shock on contact with live parts can lead to death or serious injury.

Therefore, ensure that the plant is completely disconnected from the power supply before starting work. This means that all externally supplied plant units must also be disconnected from the power supply.

### **Electromagnetic Compatibility**

The product is intended for operation in the Industrial EMC environment class and residential environments.

Ensure that your automation system is installed in compliance with EMC requirements, as described in the documentation (<https://support.industry.siemens.com/cs/ww/en/view/109744222>) for the product.

## **NOTICE**

### **Interference emission / Interference immunity**

LOGO! is intended for use in the industrial field as well as in residential environments.

If higher EMI is expected at the place of use than is intended for the industrial area according to EN61000-6-2, additional measures are required (e.g. ESD, overvoltage protection).

### **Cleaning**

If you need to clean the product, use dry ESD cleaning cloths (observing the protective measures for ESD).

Requirement: All supply voltages present on the device are switched off. Observe the five safety rules for working in and on electrical installations.

### **Maintenance and repair**

The product is maintenance-free. Repairs to the product may only be carried out by the manufacturer.

### **Recycling and disposal**

For environmentally sustainable recycling and disposal of your electronic waste, contact a company certified for the disposal of electronic waste. Dispose of the product in accordance with the applicable regulations in your country.

### **Accessories**

You can find information on the approved accessories in the documentation (<https://support.industry.siemens.com/cs/ww/en/view/109744222>).

### **Accessories for LOGO! CIM**

Information on the radio modules, antennas and cables that can be used with LOGO! CIM can be found in the operating manual Logo! CIM (<https://support.industry.siemens.com/cs/ww/en/view/109813749>) in the Accessories section.

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines, and networks.

In order to protect plants, systems, machines, and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For more information on protective industrial cybersecurity measures for implementation, please visit (<https://www.siemens.com/global/en/products/automation/topic-areas/industrial-cybersecurity.html>).

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customers' exposure to cyber threats.

To stay informed about product updates at all times, subscribe to the Siemens Industrial Cybersecurity RSS Feed under (<https://new.siemens.com/global/en/products/services/cert.html>).

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## Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.



Siemens Aktiengesellschaft  
Digital Industries  
Postfach 48 48  
90026 NÜRNBERG  
GERMANY  
A5E52459864-AD  
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## Documents / Resources

	<p><b>SIEMENS 6ED1052-1MD08-0BA2 Programmable Relay</b> [pdf] Instruction Manual          6ED1052-1MD08-0BA2 Programmable Relay, 6ED1052-1MD08-0BA2, Programmable Relay, Relay</p>
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## References

- [illegible]

- [S Industrial Cybersecurity - Siemens Global](#)
- [User Manual](#)

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