

6ED1052-1MD00-0BA5

LOGO! modular 12/24 Logic Module

Siemens 6ED1052-1MD00-0BA5 is a LOGO! modular 12/24 logic module. It executes the user program as the control element of a modular LOGO! micro-automation installation.

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

Siemens LOGO! modular micro-automation

PART

6ED1052-1MD00-0BA5

HS CODE

8537101190

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PRODUCT OVERVIEW

Siemens 6ED1052-1MD00-0BA5 is a LOGO! modular 12/24 logic module. It executes the user program as the control element of a modular LOGO! micro-automation installation.

- 1 Executes the programmed LOGO! control sequence
- 2 Provides the base logic-module position for a modular micro-automation installation
- 3 Coordinates the documented set components through the LOGO! engineering workflow
- 4 Supports compact machine and utility control tasks

SYSTEM COMPONENTS

LOGO! modular expansion arrangement

LOGO! Soft Comfort engineering software

Documented Micro Automation Set 24 components

Control-panel wiring and protected supply

TECHNICAL DATA

PARAMETER	VALUE
Product family	LOGO! modular 12/24
Component type	Logic module
Set reference	Micro Automation Set 24

PARAMETER	VALUE
Order number	6ED1052-1MD00-0BA5
Engineering software	LOGO! Soft Comfort

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7332-5HD01-0AB0	SIMATIC S7-300 analog output module	View 6ES7332-5HD01-0AB0 page
6EP3334-8SB00-0AY0	SITOP compact power supply	View 6EP3334-8SB00-0AY0 page
6ES7954-8LC04-0AA0	SIMATIC S7-1500 memory card	View 6ES7954-8LC04-0AA0 page
6AV2124-0QC02-0AX1	SIMATIC HMI operator panel	View 6AV2124-0QC02-0AX1 page
6ES7590-1AB60-0AA0	SIMATIC S7-1500 front connector	View 6ES7590-1AB60-0AA0 page
6ES7414-3EM07-0AB0	SIMATIC S7-400 CPU	View 6ES7414-3EM07-0AB0 page
6GK1561-2AA00	SIMATIC PROFIBUS communications adapter	View 6GK1561-2AA00 page
6ES7432-1HF00-0AB0	SIMATIC S7-400 analog output module	View 6ES7432-1HF00-0AB0 page

TECHNICAL NOTE

Confirm the complete order number and the approved LOGO! project before wiring, then download the validated program and perform a controlled I/O response test before release.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Compact machine sequencing

Executes the programmed LOGO! control sequence

Utility skid interlocks

Provides the base logic-module position for a modular micro-automation installation

Small conveyor logic

Coordinates the documented set components through the LOGO! engineering workflow

Standalone panel automation

Supports compact machine and utility control tasks

PRODUCT PRECAUTIONS

- 1 Verify the complete 6ED1052-1MD00-0BA5 marking and the assigned Siemens LOGO! modular micro-automation position before field work.
- 2 Isolate the applicable power, bus and field energy before disconnecting 6ED1052-1MD00-0BA5.
- 3 Use ESD controls and protect the keyed connectors and backplane interface of 6ED1052-1MD00-0BA5.
- 4 Record the installed wiring, station address and configuration before replacement of 6ED1052-1MD00-0BA5.
- 5 Confirm LOGO! modular expansion arrangement and LOGO! Soft Comfort engineering software against the approved project configuration.
- 6 Restore 6ED1052-1MD00-0BA5 under controlled conditions and review module diagnostics before release.
- 7 Run a limited functional test for compact machine sequencing before returning the process to automatic control.
- 8 Retain the as-left settings, diagnostic status and test evidence for 6ED1052-1MD00-0BA5 in the maintenance record.

ENGINEER FAQ

Q1 Does 6ED1052-1MD00-0BA5 match LOGO! modular expansion arrangement in a Compact machine sequencing installation?

Verify the complete 6ED1052-1MD00-0BA5 marking, the documented Siemens LOGO! modular micro-automation position and the installed LOGO! modular expansion arrangement before fitting the assembly.

Q3 Which Siemens LOGO! modular micro-automation records should be captured before removing 6ED1052-1MD00-0BA5?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 6ED1052-1MD00-0BA5 before disconnection.

Q5 Which LOGO! Soft Comfort engineering software condition should be checked when 6ED1052-1MD00-0BA5 reports an abnormal state?

Check the LOGO! Soft Comfort engineering software supply, seating and connection first, then compare channel diagnostics with the recorded 6ED1052-1MD00-0BA5 baseline.

Q7 What maintenance evidence is required after 6ED1052-1MD00-0BA5 is used for Small conveyor logic?

Retain the nameplate record, corrective action, final diagnostics and a controlled small conveyor logic functional-test result for 6ED1052-1MD00-0BA5.

Q2 How should 6ED1052-1MD00-0BA5 be wired when it must executes the programmed logo! control sequence?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 6ED1052-1MD00-0BA5; then continuity-test the affected path.

Q4 What controlled test confirms that 6ED1052-1MD00-0BA5 can provides the base logic-module position for a modular micro-automation installation?

Apply the approved field or simulated stimulus, observe the Siemens LOGO! modular micro-automation indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 6ED1052-1MD00-0BA5 be moved directly into Utility skid interlocks without validating Control-panel wiring and protected supply?

No. Confirm the Control-panel wiring and protected supply, revision, connection scheme and Siemens LOGO! modular micro-automation configuration before transferring 6ED1052-1MD00-0BA5 to that duty.

Q8 How should 6ED1052-1MD00-0BA5 be returned to service in Standalone panel automation?

Restore power under control, verify coordinates the documented set components through the logo! engineering workflow, exercise the intended signal path and release 6ED1052-1MD00-0BA5 only after the Siemens LOGO! modular micro-automation remains in its approved operating state.