Siemens

6DR2410-4

SIPART DR24 Multifunction Unit

Siemens 6DR2410-4 is the 24 V UC basic unit in the SIPART DR24 multifunction-controller family. It provides three analog inputs, three analog outputs, four binary inputs, eight binary outputs and user-program memory.

System position

Exact identity	System family	Functional role	Release basis
6DR2410-4	SIPART DR24	Multifunction Controller	Recorded test and diagnostics

Keep the hardware and configuration identities together

The 6DR2410-4 executes configured process-control and logic functions from a 72 x 144 mm SIPART DR24 format while retaining its installed signal modules and user program.

IDENTITY / RESOURCE	DOCUMENTED VALUE
Exact model	6DR2410-4
Product family	SIPART DR24
Hardware type	Multifunction unit
Auxiliary power	24 V UC
Analog inputs	3
Analog outputs	3

Technical evidence record: Siemens SIPART DR24 Manual C79000-G7476-C153-02 and Catalog MP 31

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Interfaces and integration

Define the installed role

The 6DR2410-4 executes configured process-control and logic functions from a 72 x 144 mm SIPART DR24 format while retaining its installed signal modules and user

Exact model	6DR2410-4
Product family	SIPART DR24
Hardware type	Multifunction unit

Map the host relationship

The complete 6DR2410-4 identity is matched to the host position, companion hardware and retained engineering record before any connection is disturbed.

Host	SIPART DR24
Primary role	multifunction process control with analog and
Acceptance	Diagnostics and functional response

Interface control matrix

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Electrical	Power, field wiring and protective earth
Communication	Address, network and companion configuration
Configuration	Switches, parameters, project and revision
Release	Controlled test with retained result

Configuration continuity

Retain the recorded SIPART DR24 position, connected interfaces and configuration baseline.

Acceptance evidence

Release 6DR2410-4 only after diagnostics and a controlled functional result are recorded.

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Technical resource bands

Only values tied to the complete product identity are listed. Installation-specific settings remain governed by the controlled site record.

PARAMETER	VALUE
Exact model	6DR2410-4
Product family	SIPART DR24
Hardware type	Multifunction unit
Auxiliary power	24 V UC
Analog inputs	3
Analog outputs	3

PARAMETER	VALUE
Binary inputs	4
Binary outputs	8
Program storage	User program memory
Panel format	72 x 144 mm
Acceptance	Power-up, signal paths and configured function

Identity decision

Accept only the complete 6DR2410-4 marking and the recorded hardware execution.

Host decision

Confirm the receiving SIPART DR24 position and every companion component.

Interface decision

Compare mechanical fit, power, field wiring, communication and protective earth.

Release decision

Record diagnostics and a controlled test of multifunction process control with analog and binary signal handling before handover.

Engineering boundary

Use 6DR2410-4 only after the exact host, installed position, companion parts, protection measures and commissioning record have been matched. Do not borrow ratings from a similar-looking variant.

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Controls and service logic

Installed-system renewal

Restores the documented 6DR2410-4 position while keeping the approved host and interfaces.

Controlled maintenance

Supports as-found recording, safe isolation and exact connection restoration.

Compatibility review

Compares the full marking, host, connectors, settings and companion hardware.

Commissioning evidence

Records diagnostics and a controlled functional test of multifunction process control with analog and

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Read 6DR2410-4 and all companion markings
2. Compare	Host, position, connections, settings and revision
3. Install	Restore wiring, shielding, retention and protection
4. Verify	Review diagnostics and execute controlled function test

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Engineering decisions

What does 6DR2410-4 identify?

6DR2410-4 identifies the sipart dr24 multifunction unit used for multifunction process control with analog and binary signal handling.

Which installed system must 6DR2410-4 match?

Match 6DR2410-4 to the recorded SIPART DR24 host, position and companion hardware.

Which markings must be checked on 6DR2410-4?

Verify the complete 6DR2410-4 text and every suffix, revision or assembly marking on the supplied item.

What should be recorded before removing 6DR2410-4?

Record the slot, connectors, cable labels, switches, parameters, adjacent hardware and diagnostic state.

Can 6DR2410-4 be replaced by appearance alone?

No. 6DR2410-4 requires an exact identity and interface match against the installed-system record.

How should 6DR2410-4 be isolated?

Use the approved maintenance state, remove connected energy and prove the affected circuit safe.

Related Apter Power pages

Siemens 6RY1803-0DA04 - View Apter Power product page

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