

INDUSTRIAL AUTOMATION PRODUCT

6DR2104-4

SIPART DR21 Process Controller

Siemens 6DR2104-4 is a SIPART DR21 process-controller execution documented in the DR21 manual. It combines configurable analog, digital, control-algorithm, display, output and serial-interface functions.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	Siemens SIPART DR21
Part number	6DR2104-4
Document status	Controlled product and system reference

DOCUMENT SCOPE

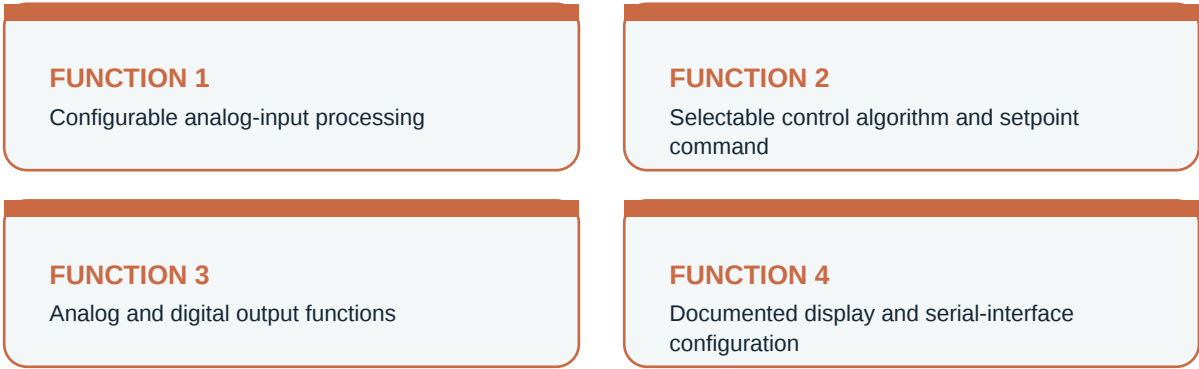
Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Use the exact 6DR2104-4 identity and record every DR21 switch setting, option slot, analog range, digital assignment, setpoint source, control algorithm and serial-interface parameter before removal. Do not copy a nearby DR21 configuration.

System Role and Architecture

Siemens 6DR2104-4 is a SIPART DR21 process-controller execution documented in the DR21 manual. It combines configurable analog, digital, control-algorithm, display, output and serial-interface functions.



MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Siemens SIPART DR21
02	Matched extension cable and ClickLoc connector loop
03	3300 XL Proximity Sensor host channel
04	AISI 4140 steel target or approved equivalent

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Siemens SIPART DR21
Interface role	SIPART DR21 Process Controller
Field / power context	The controller's function is defined by the installed wiring, option slots and complete DR21
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm 6DR2104-4 and the complete SIPART DR21 nameplate.
- 2

Place the process and all final elements in the approved maintenance state.
- 3

Record every switch setting, option slot and process parameter.
- 4

Isolate supply, analog loops, digital circuits and serial interfaces.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Controller family	SIPART DR21	Digital outputs	Configured switching and limit-alarm functions
Documented execution	6DR2104	Setpoint command	Configurable through S42 to S45
Controller form	K-controller execution in DR21 block diagram	Control algorithm	Configurable through S46 to S48
Analog inputs	AI1A to AI4A; function and range configured by switch	Display functions	Y and x/w display settings
Digital inputs	DI functions assigned through configuration	Serial interface	Configurable interface functions S84 to S91
Analog output	AO / IY configurable function	Option slots	Documented option-dependent assignments

RELATED GE PRODUCT PAGES

1General Electric ds200tcdaf1bcm

2General Electric is200ectbg1a

3General Electric is200emioh1aca

4General Electric is200staoh2aaa

5General Electric is200tbтч1bbb

6General Electric is200trtdh1ccc-594440

7General Electric is200acleh1bcb

8ABB dsqc223-yb560103-bd

9ABB dsqc346e

ENGINEERING BOUNDARY

Confirm 6DR2104-4, installed option slots, switch settings, analog ranges, digital assignments, setpoint source, control algorithm, output limits, serial interface and controlled process-test evidence before commissioning.

PRE-INSTALLATION CHECKS

- 1

Confirm 6DR2104-4 and the complete SIPART DR21 nameplate.
- 2

Place the process and all final elements in the approved maintenance state.
- 3

Record every switch setting, option slot and process parameter.
- 4

Isolate supply, analog loops, digital circuits and serial interfaces.

Applications and Engineering Context

Single-loop process control

Runs the approved DR21 control strategy.

Analog signal conditioning

Processes configured field inputs and ranges.

Limit and switching functions

Executes documented digital outputs and alarms.

Legacy controller maintenance

Restores the exact switch and option configuration.

TECHNICAL NOTE

Use the exact 6DR2104-4 identity and record every DR21 switch setting, option slot, analog range, digital assignment, setpoint source, control algorithm and serial-interface parameter before removal. Do not copy a nearby DR21 configuration.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6DR2104-4 recorded
Host / carrier	Siemens SIPART DR21
Physical interface	Exact identity, installed position and every connected interface matched
Configuration	Recorded hardware and software configuration restored
Functional proof	Diagnostics and controlled functional response recorded

IMPORTANT NOTICE

Confirm 6DR2104-4, installed option slots, switch settings, analog ranges, digital assignments, setpoint source, control algorithm, output limits, serial interface and controlled process-test evidence before commissioning.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

General Electric ds200tcdaf1bcm

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2

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3

General Electric is200emioh1aca

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4

General Electric is200staoh2aaa

View General Electric is200staoh2aaa page

5

General Electric is200tbтч1bbb

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6

General Electric is200trtdh1ccc-594440

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7

General Electric is200acleh1bcb

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9

ABB dsqc346e

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MANUFACTURER SOURCE RECORD

SIPART DR21 Manual | Siemens C73000-B7476-C143-08

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.