

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

PRODUCT SNAPSHOT

BRAND
Siemens

FAMILY
Siemens SIPART DR21

PART
6DR2104-4

DOCUMENT STATUS
Controlled engineering copy

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PRODUCT OVERVIEW

6DR2104-4 provides configurable process control, signal conditioning and operator indication within a documented SIPART DR21 installation.



Configurable analog-input processing



Selectable control algorithm and setpoint command



Analog and digital output functions



Documented display and serial-interface configuration

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
6DR2104-4 product assembly	Matched host system
Documented field interfaces	Approved configuration record

ENGINEERING CONTEXT

The controller's function is defined by the installed wiring, option slots and complete DR21 configuration. Commissioning restores all switch settings and process parameters before closed-loop operation.

TECHNICAL DATA

PARAMETER	VALUE
Controller family	SIPART DR21
Documented execution	6DR2104
Controller form	K-controller execution in DR21 block diagram
Analog inputs	AI1A to AI4A; function and range configured by switch
Digital inputs	DI functions assigned through configuration
Analog output	AO / IY configurable function

PARAMETER	VALUE
Digital outputs	Configured switching and limit-alarm functions
Setpoint command	Configurable through S42 to S45
Control algorithm	Configurable through S46 to S48
Display functions	Y and x/w display settings
Serial interface	Configurable interface functions S84 to S91
Option slots	Documented option-dependent

RELATED GE PRODUCT PAGES

1 General Electric is200tbtc1bbb

2 General Electric is200trtdh1ccc-594440

3 General Electric is200acleh1bcb

4 ABB dsqc223-yb560103-bd

5 ABB dsqc346e

6 General Electric ds200tcda1bcm

7 General Electric is200ectbg1a

8 General Electric is200emioh1aca

9 General Electric is200staoh2aaa

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

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.

5

Record terminals, ranges, setpoint source, controller action and output limits.

6

Restore the exact hardware, wiring and DR21 configuration.

7

Review display, input, output and serial-interface diagnostics after energization.

8

Complete manual, setpoint, alarm and closed-loop response tests before release.

ENGINEER FAQ

Q1 How is the exact 6DR2104-4 execution identified?

Match 6DR2104-4 and the complete SIPART DR21 nameplate.

Q2 What documented function does 6DR2104-4 perform?

It provides configurable process-control, indication and signal-interface functions.

Q3 Which installed system must be matched before fitting 6DR2104-4?

Match the installed panel, option slots, field loops and final control element.

Q4 Which interfaces must be recorded for 6DR2104-4?

Record all terminals, switch settings, ranges, setpoint source and serial interface.

Q5 What handling controls apply to 6DR2104-4?

Isolate supply and field circuits; retain the as-found configuration before handling.

Q6 What must be restored after installing 6DR2104-4?

Restore all hardware, switch settings, process parameters and output limits.

Q7 What evidence confirms 6DR2104-4 is ready for service?

Retain input/output diagnostics, alarms, manual response and closed-loop test results.

Q8 Which manufacturer record supports the 6DR2104-4 page?

Siemens SIPART DR21 manual C73000-B7476-C143-08 documents the 6DR2104 controller family and configuration.

RELATED APTER POWER PAGES

1 General Electric is200tbch1bbb

2 General Electric is200trtdh1ccc-594440

3 General Electric is200acleh1bcb

4 ABB dsqc223-yb560103-bd

5 ABB dsqc346e

6 General Electric ds200tcda1bcm

7 General Electric is200ectbg1a

8 General Electric is200emioh1aca

9 General Electric is200staoh2aaa

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