

Installation Identity and Scope

Siemens 6DR2004-1 is a SIPART DR20 compact controller for configured industrial control loops. Confirm the complete hardware and option arrangement from the installed controller before replacement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6DR2004-1
Manufacturer	Siemens
Hardware type	Compact Controller
System family	SIPART DR20 Controller
Official source	Siemens Industry Support publication for SIPART DR20 controllers and 6DR2004 family

CONTROLLED ENGINEERING COPY

Use only the complete Siemens 6DR2004-1 identity and the current manufacturer documentation. Confirm installed hardware, wiring, firmware or parameter compatibility and the approved maintenance record before replacement or release.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 3RT6024-1AN20	View Siemens 3RT6024-1AN20
Siemens 3RT6025-1AN20	View Siemens 3RT6025-1AN20
Siemens 3SK2122-1AA10	View Siemens 3SK2122-1AA10

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6DR2004-1

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete Siemens 6DR2004-1 marking before work.
2	Review the current Siemens source documentation and the installed-system record.
3	Record the slot, connector, terminal and companion-hardware arrangement before removal.
4	Place the controller, drive or machine in the approved maintenance state before handling.
5	Use ESD controls and protect keyed connectors, terminals and circuit-board components.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 3TY7540-0A	View Siemens 3TY7540-0A
Siemens 3TY7560-0A	View Siemens 3TY7560-0A
Siemens 3VL9300-3HF05	View Siemens 3VL9300-3HF05
Siemens 505-7003	View Siemens 505-7003

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	6DR2004-1
Physical interface	SIPART DR20 panel installation
Companion check	Input/output field wiring
Configuration	Optional communications module
Functional proof	Loop tuning and controlled functional test

RELEASE HOLD POINT

Do not disturb the installed device until the exact marking, connections, companion hardware and configured function are documented.

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record Siemens 6DR2004-1 exactly.
Installed position	Record rack, slot and mounting orientation.
Connectors	Label every keyed connector and terminal.
Companion hardware	Verify the documented controller, rack or field device.
Power	Confirm supply and isolation requirements.
Configuration	Back up parameters, firmware and network settings where applicable.
Grounding	Restore shielding and protective grounding.
Function	Run diagnostics and the controlled functional test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 562-001	View Siemens 562-001
Siemens 6AG1195-7HD10-2XA0	View Siemens 6AG1195-7HD10-2XA0
Siemens 6AR1304-0CA00-0AA0	View Siemens 6AR1304-0CA00-0AA0
Siemens 6AR1306-0DC00-0AA0	View Siemens 6AR1306-0DC00-0AA0
Siemens 6AU1435-2AD00-0AA0	View Siemens 6AU1435-2AD00-0AA0
Siemens 6AU1455-2AD00-0AA0	View Siemens 6AU1455-2AD00-0AA0

CONFIGURATION BOUNDARY

Use only the complete Siemens 6DR2004-1 identity and the current manufacturer documentation. Confirm installed hardware, wiring, firmware or parameter compatibility and the approved maintenance record before replacement or release.

Expected Technical Values

PARAMETER	VALUE
Complete model	6DR2004-1
Controller family	SIPART DR20
Communications options	Documented PROFIBUS-DP or serial RS232C/RS485 option depending on installed module
PROFIBUS station range	0 to 31 documented for the supported option

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	Siemens 6DR2004-1 is recorded without abbreviation.
Interface	Connectors, terminals and companion hardware match the approved record.
Configuration	Electrical, firmware and parameter values are verified.
Operation	Diagnostics and the controlled functional test are acceptable.

Technical Questions to Resolve

QUESTION	ENGINEERING ANSWER
What is Siemens 6DR2004-1?	Siemens 6DR2004-1 is a SIPART DR20 compact controller for configured industrial control loops. Confirm the complete hardware and option arrangement from the installed controller before replacement.
Which product family includes 6DR2004-1?	The official manufacturer record identifies it within the SIPART DR20 Controller family.
Which exact identity must be retained?	Record the complete Siemens 6DR2004-1 marking; do not shorten or replace the suffix.

Related Products on Apter Power

Which key technical value is documented?	Controller family: SIPART DR20.
MODEL	APTER POWER PAGE
Siemens 6AV2123-2DB03-0AX0	View Siemens 6AV2123-2DB03-0AX0
Siemens 6AV2124-0GC01-0AX0	View Siemens 6AV2124-0GC01-0AX0
Siemens 6AV2124-0JC01-0AX0	View Siemens 6AV2124-0JC01-0AX0
Siemens 6AV2124-0MC01-0AX0	View Siemens 6AV2124-0MC01-0AX0
Siemens 6AV2124-0QC02-0AX0	View Siemens 6AV2124-0QC02-0AX0
Siemens 6AV2124-0QC02-0AX1	View Siemens 6AV2124-0QC02-0AX1

Source, Related Products and Release

MODEL	APTER POWER PAGE
Siemens 6AV2124-0UC24-1AX0-6AV7424-7GA03-0AS0	View Siemens 6AV2124-0UC24-1AX0-6AV7424-7GA03-0AS0
Siemens 6AV2124-1MC01-0AX0	View Siemens 6AV2124-1MC01-0AX0
Siemens 6AV3503-1DB10	View Siemens 6AV3503-1DB10
Siemens 6AV3617-1JC20-0AX1	View Siemens 6AV3617-1JC20-0AX1
Siemens 6AV3627-1LK00-1AX0	View Siemens 6AV3627-1LK00-1AX0
Siemens 6AV6542-0AG10-0AX0	View Siemens 6AV6542-0AG10-0AX0
Siemens 6AV6545-0DB10-0AX0	View Siemens 6AV6545-0DB10-0AX0
Siemens 6AV6640-0BA11-0AX0	View Siemens 6AV6640-0BA11-0AX0
Siemens 6AV6640-0CA11-0AX1	View Siemens 6AV6640-0CA11-0AX1
Siemens 6AV6642-0EA01-3AX0	View Siemens 6AV6642-0EA01-3AX0

MANUFACTURER SOURCE RECORD

SIPART DR20 PROFIBUS-DP Communications Manual
Siemens Industry Support publication for SIPART DR20 controllers and 6DR2004 family

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	6DR2004-1 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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