

INDUSTRIAL AUTOMATION PRODUCT

6DR2004-1

Compact Controller

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
Complete model	6DR2004-1
Product role	Compact Controller
System family	SIPART DR20 Controller

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

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6DR2004-1

Technical Specifications

PARAMETER	VERIFIED 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

Model-Specific Engineering Note

ENGINEERING 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.

Pre-Installation Checks

NO.	REQUIRED CHECK
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 6DR5013-0FN00-0AA3	View Siemens 6DR5013-0FN00-0AA3
Siemens 6DR5020-0NG13-0AA0	View Siemens 6DR5020-0NG13-0AA0
Siemens 6DR5220-0EN00-0AA0	View Siemens 6DR5220-0EN00-0AA0
Siemens 6DR5310-0NG00-0AA0	View Siemens 6DR5310-0NG00-0AA0
Siemens 15499-146-8	View Siemens 15499-146-8

System Role and Architecture

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.

FUNCTION 1
Compact loop control

FUNCTION 2
Configurable control structure

FUNCTION 3
Optional serial networking

FUNCTION 4
SIPART panel operation

Common Applications

APPLICATION	ENGINEERING CONTEXT
Process control	Controls a configured industrial process loop.
Panel operation	Provides local indication and operator input.
PROFIBUS integration	Communicates through the documented optional interface.
Legacy maintenance	Maintains an installed SIPART DR20 loop.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 16267-1-2	View Siemens 16267-1-2
Siemens 39ACM24BAN-16139-76-09	View Siemens 39ACM24BAN-16139-76-09
Siemens 39ACM24BEN-16139-215-1	View Siemens 39ACM24BEN-16139-215-1
CONTROLLED ACCEPTANCE DUTY Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.	
39EAMCBN-A5E00282025-05	

Engineering Precautions

NO.	PRECAUTION
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.
6	Confirm the documented electrical and interface values for 6DR2004-1 before energization.
7	Restore wiring, shielding, grounding and mechanical retention exactly as documented.
8	Run model-specific diagnostics and a controlled functional test before production release.

Model-Specific FAQ - Part 1

QUESTION	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.
Which key technical value is documented?	Controller family: SIPART DR20.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 39MBXNAN-16180-1-14	View Siemens 39MBXNAN-16180-1-14
Siemens 39MBXNAN-16180-1-17	View Siemens 39MBXNAN-16180-1-17
Siemens 39RTMCAN-16207-61-10	View Siemens 39RTMCAN-16207-61-10
Siemens 39RTMCAN-16207-61-11	View Siemens 39RTMCAN-16207-61-11
Siemens 39RTMCAN-16207-61-13	View Siemens 39RTMCAN-16207-61-13

Model-Specific FAQ - Part 2

QUESTION	ANSWER
What must be checked before removal?	Record the slot, connectors, terminals, companion hardware and configured function from the installed system.
Can a nearby model be substituted?	No. A different suffix or family member requires documented electrical, mechanical, firmware and interface approval.
What installation controls are required?	Use the current manufacturer procedure, approved maintenance state, ESD controls and the documented wiring and grounding arrangement.
What confirms successful commissioning?	Identity and connections match the record, diagnostics pass and the controlled functional test has no unexplained fault.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 39SAMCAN-16133-71-04	View Siemens 39SAMCAN-16133-71-04
Siemens 39SAMCAN-16133-71-13	View Siemens 39SAMCAN-16133-71-13
Siemens 39SAMCAN-16133-71-8	View Siemens 39SAMCAN-16133-71-8
Siemens 39SAMCAN-16133-71-9	View Siemens 39SAMCAN-16133-71-9
Siemens 39SDM024DCCBN-16101-174-8	View Siemens 39SDM024DCCBN-16101-174-8
Siemens 39VIMCCN-16171-126-3	View Siemens 39VIMCCN-16171-126-3
Siemens 39VIMCCN-16171-126-6	View Siemens 39VIMCCN-16171-126-6
Siemens 39VIMCCN-A5E00282175-07	View Siemens 39VIMCCN-A5E00282175-07
Siemens 3RN2011-1BA30	View Siemens 3RN2011-1BA30
Siemens 3RT5044-1AN20	View Siemens 3RT5044-1AN20
Siemens 3RT6015-1BB41	View Siemens 3RT6015-1BB41

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