

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.

BRAND	Siemens	DOCUMENT	TECHNICAL REFERENCE
MODEL	6DR2004-1	PRODUCT	Compact Controller
FAMILY	SIPART DR20 Controller	SOURCE	Siemens Industry Support publication for SIPART DR20 controllers and 6DR2004 family

MANUFACTURER SOURCE RECORD

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

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 531

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



6DR2004-1

Product Overview

SYSTEM FUNCTION

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

TECHNICAL NOTE Related Products on Apter Power

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

MODEL	APTER POWER PAGE
Siemens 6AV6643-0CD01-1AX1	View Siemens 6AV6643-0CD01-1AX1
Siemens 6AV6644-0AB01-2AX0	View Siemens 6AV6644-0AB01-2AX0
Siemens 6AV6647-0AG11-3AX0	View Siemens 6AV6647-0AG11-3AX0
Siemens 6AV6647-0AH11-3AX0	View Siemens 6AV6647-0AH11-3AX0
Siemens 6AV6648-0EC11-3AX0	View Siemens 6AV6648-0EC11-3AX0

Technical Data and Acceptance

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

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.

Acceptance Path

1 IDENTITY

Siemens 6DR2004-1 is recorded without abbreviation.

2 INTERFACE

Connectors, terminals and companion hardware match the approved record.

3 CONFIGURATION

Electrical, firmware and parameter values are verified.

4 OPERATION

Diagnostics and the controlled functional test are acceptable.

Applications and Engineering FAQ

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.

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 6DD1600-0AK0	View Siemens 6DD1600-0AK0
Siemens 6DD1600-0BA1	View Siemens 6DD1600-0BA1
Siemens 6DD1601-0AH0	View Siemens 6DD1601-0AH0
Siemens 6DD1606-1AA0	View Siemens 6DD1606-1AA0
Siemens 6DD1640-0AH0	View Siemens 6DD1640-0AH0

FAQ, Related Products and Source

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.

MANUFACTURER SOURCE RECORD

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

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6DD1641-0A C0-416016	View Siemens 6DD1641-0AC0-416016
Siemens 6DD1660-0AE0	View Siemens 6DD1660-0AE0
Siemens 6DD1681-0AH2	View Siemens 6DD1681-0AH2
Siemens 6DD1681-0AJ1	View Siemens 6DD1681-0AJ1
Siemens 6DD1682-0BE0	View Siemens 6DD1682-0BE0
Siemens 6DD1682-0CH0	View Siemens 6DD1682-0CH0
Siemens 6DD1683-0BE0	View Siemens 6DD1683-0BE0
Siemens 6DD1683-0CH0	View Siemens 6DD1683-0CH0
APTER POWER SALES TEAM WHATSAPP / PHONE +86 180 3023 5313 EMAIL sales13@apterpower.com WEBSITE www.apterpower.com 	
6DR2004-1	