

6GK7443-5DX05-0XE0

SIMATIC S7-400 CP 443-5 Extended PROFIBUS Processor

Siemens 6GK7443-5DX05-0XE0 is a CP 443-5 Extended communications processor that connects a SIMATIC S7-400 station to PROFIBUS DP. It supports S5-compatible, PG/OP and S7 communication

PRODUCT SNAPSHOT

BRAND
Siemens

FAMILY
SIMATIC S7-400 CP 443-5 Extended

PART
6GK7443-5DX05-0XE0

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Siemens 6GK7443-5DX05-0XE0 provides PROFIBUS DP, S7, PG/OP and S5-compatible communication for a SIMATIC S7-400 station in a documented SIMATIC S7-400 CP 443-5 Extended installation.

CP 443-5 Extended

SIMATIC S7-400 integration

PROFIBUS DP communication

S7, PG/OP and S5-compatible services

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1 Siemens 6SN1123-1AA00-0EA1	2 Siemens C98043-A7044-L1-6-RSS70-DCF-40	3 Siemens 6SL3224-0BE15-5UA0
4 Bently Nevada 330173-00-06-10-02-00	5 Bently Nevada 330780-91-05	6 Bently Nevada 330709-000-050-10-12-05
7 Bently Nevada 330706-005-046-10-02-00	8 Bently Nevada 330704-0-50-10-02-05	9 Bently Nevada 330500-07-00

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximator Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented cabinet position, power source, interfaces and approved engineering configuration. Commissioning restores that architecture and verifies the affected control or communication function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	CP 443-5 Extended	PG communication	Supported
Host system	SIMATIC S7-400	OP communication	Supported
Fieldbus	PROFIBUS DP	S5-compatible communication	Supported
PROFIBUS role	Communication processor	Functional scope	Connection of S7-400 to configured PROFIBUS
S7 communication	Supported	Lifecycle status	Active product

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TECHNICAL NOTE

Install 6GK7443-5DX05-0XE0 only in the documented SIMATIC S7-400 CP 443-5 Extended position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and PROFIBUS DP, S7, PG/OP and S5-compatible communication for a SIMATIC S7-400 station before service release.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

S7-400 PROFIBUS master station

Coordinates the documented distributed-I/O and drive network.

Engineering access

Provides the approved PG communication path to the S7-400 system.

Operator-station communication

Supports configured OP data exchange.

Legacy PROFIBUS replacement

Restores bus addressing, communication services and diagnostics.

PRODUCT PRECAUTIONS

1

Confirm the complete 6GK7443-5DX05-0XE0 marking and the documented SIMATIC S7-400 CP 443-5

2

Place the machine, controller and affected process in the approved maintenance state.

3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.

4

Record the installed position, every terminal or port, and the active engineering configuration.

5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

6

Restore protective earth, shielding, wiring, communications and the approved project or

7

Energize under control and review all device, rack, network and process diagnostics.

8

Complete a controlled functional test of PROFIBUS DP, S7, PG/OP and S5-compatible communication for a

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ENGINEER FAQ

Q1 Why must the exact product designation value be confirmed when commissioning 6GK7443-5DX05-0XE0?

The official exact-article record identifies 6GK7443-5DX05-0XE0 as CP 443-5 Extended; match the full marking before installation.

Q2 Why must the exact host system value be confirmed when commissioning 6GK7443-5DX05-0XE0?

For 6GK7443-5DX05-0XE0, the official exact-article evidence specifies host system as SIMATIC S7-400. Record the installed condition and test the affected function before release.

Q3 What fieldbus for 6GK7443-5DX05-0XE0 affect the installed communication architecture?

For 6GK7443-5DX05-0XE0, the official exact-article evidence specifies fieldbus as PROFIBUS DP. Record the installed condition and test the affected function before release.

Q4 Why must the exact profibus role value be confirmed when commissioning 6GK7443-5DX05-0XE0?

For 6GK7443-5DX05-0XE0, the official exact-article evidence specifies profibus role as Communication processor. Record the installed condition and test the affected function before release.

Q5 Which s7 communication for 6GK7443-5DX05-0XE0 affect the installed communication architecture?

For 6GK7443-5DX05-0XE0, the official exact-article evidence specifies s7 communication as Supported. Record the installed condition and test the affected function before release.

Q6 How should the documented pg communication for 6GK7443-5DX05-0XE0 affect the installed communication architecture?

For 6GK7443-5DX05-0XE0, the official exact-article evidence specifies pg communication as Supported. Record the installed condition and test the affected function before release.

Q7 What op communication for 6GK7443-5DX05-0XE0 affect the installed communication architecture?

For 6GK7443-5DX05-0XE0, the official exact-article evidence specifies op communication as Supported. Record the installed condition and test the affected function before release.

Q8 Where does the s5-compatible communication for 6GK7443-5DX05-0XE0 affect the installed communication architecture?

For 6GK7443-5DX05-0XE0, the official exact-article evidence specifies s5-compatible communication as Supported. Record the installed condition and test the affected function before release.

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SOURCE Siemens SiePortal exact-article record for 6GK7443-5DX05-0XE0 | Official manufacturer evidence verified 28 September 2026

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