

INDUSTRIAL AUTOMATION PRODUCT

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 services.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMATIC S7-400 CP 443-5 Extended
Part number	6GK7443-5DX05-0XE0
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING 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.

System Role and Architecture

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 services.



RELATED APTER POWER PAGES		
1 Siemens A5E00755411	2 Siemens A5E00297628	3 Siemens A5E03915589
4 Siemens A5E36228241	5 Siemens A5E00282044	6 Siemens 6SN1145-1BB00-0FA1
7 Siemens 6SN1123-1AA00-0JA1	8 Siemens 6SN1123-1AA00-0DA0	9 Siemens 6SL3210-1PE27-5AL0

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	SIMATIC S7-400 CP 443-5 Extended
02	Matched SIMATIC S7-400 CP 443-5 Extended host or field system
03	Documented power, signal, communication and protective interfaces
04	Approved engineering configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SIMATIC S7-400 CP 443-5 Extended
Interface role	PROFIBUS DP, S7, PG/OP and S5-compatible communication for a SIMATIC S7-400 station
Field / power context	documented SIMATIC S7-400 CP 443-5 Extended installation
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

1 Confirm the complete 6GK7443-5DX05-0XE0 marking and the documented SIMATIC S7-400 CP 443-5 Extended PROFIBUS Processor execution.	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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

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 devices
S7 communication	Supported	Lifecycle status	Active product

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8 Siemens 6SN1123-1AA00-0DA0

9 Siemens 6SL3210-1PE27-5AL0

ENGINEERING BOUNDARY

Confirm 6GK7443-5DX05-0XE0, its exact SIMATIC S7-400 CP 443-5 Extended host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

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

Applications and Engineering Context

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6GK7443-5DX05-0XE0 recorded
Host / carrier	SIMATIC S7-400 CP 443-5 Extended
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms PROFIBUS DP, S7, PG/OP and S5-compatible communication for a SIMATIC S7-400 station

IMPORTANT NOTICE

Confirm 6GK7443-5DX05-0XE0, its exact SIMATIC S7-400 CP 443-5 Extended host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Siemens A5E00755411

View Siemens A5E00755411 page

2

Siemens A5E00297628

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3

Siemens A5E03915589

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Siemens 6SN1145-1BB00-0FA1

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Siemens 6SN1123-1AA00-0JA1

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Siemens 6SN1123-1AA00-0DA0

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Siemens 6SL3210-1PE27-5AL0

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MANUFACTURER SOURCE RECORD

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

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.