

SIMATIC S7-400 COMMUNICATION PROCESSORS

Product Data Sheet

6GK7443-5DX05-0XE0

CP 443-5 PROFIBUS communication processor

FUNCTION	FAMILY	ORIGIN	WEIGHT
CP 443-5 PROFIBUS communication processor	SIMATIC S7-400 communication processors	Germany	Confirm before dispatch

Siemens Simatic Net 6GK7443-5DX05-0XE0 is a CP 443-5 PROFIBUS communication processor for the SIMATIC S7-400 communication processors. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6GK7443-5DX05-0XE0
Product Class	Cp 443-5 Profibus Communication Processor
Product Family	SIMATIC S7-400 communication processors
Controller Platform	SIMATIC S7-400
Network Protocol	PROFIBUS DP
Backplane Interface	S7-400 system bus
Transfer Rate	12 Mbit/s
Communication Services	S7 communication
Configuration Tool	STEP 7 / NCM
Time Synchronization	Network time services

Diagnostics	Module and network status
Supply Source	S7-400 backplane
Mounting	S7-400 rack slot
Status Indication	Front-panel LEDs

- Sequence cold-storage connectivity with Cp 443: Within the refrigeration controllers and supervisory stations, 6GK7443-5DX05-0XE0 performs its assigned control role as a CP 443-5 PROFIBUS communication processor. During refrigeration duty change, the system uses this function to maintain controller and monitoring communication across the utility network, helping it preserve visibility of temperatures and equipment states.
- Stabilize shuttle-system communication during aisle-controller restart: For the coordinated operation of the shuttle PLCs, safety devices and supervisory systems, 6GK7443-5DX05-0XE0 performs its assigned control role as a CP 443-5 PROFIBUS communication processor. During aisle-controller restart, the system uses this function to restore cyclic control data to the shuttle aisle, helping it return the aisle to coordinated operation.
- Protect distributed I/O networking during field-device reconnection: At the control layer of the remote I/O, analyzers and local controllers, 6GK7443-5DX05-0XE0 handles its designated signal or control duty as a CP 443-5 PROFIBUS communication processor. During field-device reconnection, the system uses this function to restore cyclic input and output data to the controller, helping it return the measurement and command points to normal scan.

Match 6GK7443-5DX05-0XE0 to the installed SIMATIC S7-400 communication processors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6GK7443-5DX05-0XE0>

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