SIMATIC S7-400 CP 443-5 EXTENDED

Product Data Sheet

6GK7443-5DX02-0XE0

PROFIBUS Communication Processor

PROFIBUS TRANSMISSION RATE	PROFIBUS ELECTRICAL INTERFACES	PROFIBUS CONNECTOR	INDUSTRIAL ETHERNET INTERFACES
9.6 kbit/s to 12 Mbit/s	**1**	**9-pin Sub-D socket; RS485**	**0**

Siemens 6GK7443-5DX02-0XE0 is the CP 443-5 Extended communication processor for SIMATIC S7-400. It connects the controller to PROFIBUS through one RS485 interface with a 9-pin Sub-D socket. The module supports the documented DP, S5-compatible, PG/OP and S7 communication functions, with network transmission rates from 9.6 kbit/s to 12 Mbit/s.

01 TECHNICAL DATA

PROFIBUS transmission rate	9.6 kbit/s to 12 Mbit/s
PROFIBUS electrical interfaces	1
PROFIBUS connector	9-pin Sub-D socket; RS485
Industrial Ethernet interfaces	0
Backplane supply	5 V DC
SEND/RECEIVE connections	16 maximum
SEND/RECEIVE payload	240 bytes maximum
S7 connections	48 maximum
Configuration software	STEP 7 V5.1 or later with NCM for PROFIBUS
Enclosure protection	IP20

Siemens 6GK7443-5DX02-0XE0 official technical data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

Operating temperature	0 to 60 C
Maximum relative humidity	95%; noncondensing

03 PRODUCT FUNCTION

The processor draws its 5 V DC supply from the S7-400 backplane and uses the single-width rack format. The data sheet lists up to sixteen SEND/RECEIVE connections with a maximum 240-byte payload and up to forty-eight S7 connections. Configuration requires the stated STEP 7 and NCM for PROFIBUS support. This version has no Industrial Ethernet interface and is specified for an IP20 installation at 0 to 60 C.

04 SYSTEM COMPATIBILITY

Connect the PROFIBUS segment through the 9-pin RS485 interface, retaining the segment termination and permitted cable arrangement. Select a baud rate supported by all participating nodes; the CP range extends from 9.6 kbit/s to 12 Mbit/s, but the installed segment may impose a lower limit.

05 REFERENCE

Siemens 6GK7443-5DX02-0XE0 official technical data; applicable specification pages.

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