SIMATIC S7-400 CP 443-5 BASIC

Product Data Sheet

6GK7443-5FX01-0XE0

PROFIBUS Basic Communication Processor

PROFIBUS SPEED RANGE	PROFIBUS PORTS	ELECTRICAL INTERFACE	ETHERNET PORTS
9.6 kbit/s to 12 Mbit/s	**1**	**9-pin Sub-D socket; RS485**	**0**

Siemens 6GK7443-5FX01-0XE0 is the CP 443-5 Basic processor for connecting SIMATIC S7-400 to PROFIBUS. It supports the documented FMS, S5-compatible, PG/OP and S7 communication services through a single RS485 interface. The 9-pin Sub-D connection operates at selectable rates from 9.6 kbit/s to 12 Mbit/s.

01 TECHNICAL DATA

PROFIBUS speed range	9.6 kbit/s to 12 Mbit/s
PROFIBUS ports	1
Electrical interface	9-pin Sub-D socket; RS485
Ethernet ports	0
Backplane voltage	5 V DC +/-5%
Power loss	6.5 W
Rack format	S7-400 single width
Operating temperature	0 to 60 C
Storage temperature	-40 to 70 C
Maximum humidity at 25 C	95%; noncondensing

02 ADDITIONAL PRODUCT DATA

Degree of protection	IP20

03 PRODUCT FUNCTION

The single-width S7-400 module uses a 5 V DC backplane supply with a five-percent tolerance and has a specified power loss of 6.5 W. It has no Ethernet interface. The IP20 construction is rated for operation at 0 to 60 C and up to 95 percent relative humidity without condensation. Its FX01 identity remains distinct from the later FX02 replacement and its different performance characteristics.

04 SYSTEM COMPATIBILITY

Wire the PROFIBUS connection through the RS485 Sub-D port and preserve the segment termination. Coordinate the bus address and rate with the remaining nodes, keeping the selected rate within 9.6 kbit/s to 12 Mbit/s and the installed segment limits.

05 REFERENCE

Siemens 6GK7443-5FX01-0XE0 data sheet, 13 August 2019; exact-model specifications.

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