MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6GK7443-5FX01-0XE0

PROFIBUS BASIC COMMUNICATION PROCESSOR

Used with the applicable SIMATIC S7-400 CP 443-5 Basic configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

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

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Data sheet 6GK7443-5FX01-0XE0

Product type designation	**CP 443-5 Basic** SIMATIC NET, CP 443-5 BASIC COMMUNICATIONS PROCESSOR FOR CONNECTING SIMATIC S7-400 TO PROFIBUS, FMS, S5-COMPATIBLE PG/OP AND S7 COMMUNICATION

Transmission rate	
Transfer rate	
• at the 1st interface / acc. to PROFIBUS	9.6 kbit/s ... 12 Mbit/s

Interfaces	
Number of interfaces / acc. to Industrial Ethernet	0
Number of electrical connections	
• at the 1st interface / acc. to PROFIBUS	1
Type of electrical connection	
• at the 1st interface / acc. to PROFIBUS	9-pin Sub-D socket (RS485)

Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage / 1 / from backplane bus	5 V
Supply voltage	5 V
Relative symmetrical tolerance / at DC	
• at 5 V	5 %
Power loss [W]	6.5 W

Ambient conditions	
Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight	
Module format	Compact module S7-400 single width
Width	25 mm
Height	290 mm
Depth	210 mm
Net weight	0.7 kg

Product properties, functions, components / general

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Number of units	
• per CPU / maximum	14
• Note	depending on CPU type
Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	32
Amount of data	
• as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum	240 byte
Performance data / FMS functions	
Number of possible connections / for FMS connection / maximum	48
Amount of data / of the variables	
• for READ job / maximum	237 byte
• for WRITE job / maximum	233 byte
Number of variables	
• Configurable from server to FMS partner	512
• Loadable from server to FMS partner	2640
Performance data / S7 communication	
Number of possible connections / for S7 communication	
• maximum	48
Performance data / multi-protocol mode	
Number of possible connections / of which 2 reserved for PG/OP communication / with multi-protocol mode / maximum	59
Product functions / management, configuration	
Configuration software	
• required	STEP 7 V5.1 SP1 or higher and NCM S7 for PROFIBUS
Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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