SIEMENS

Product data sheet 6GK7443-5DX04-0XE0

Product-type designation	CP 443-5 Extended
	COMMUNICATIONSPROCESSOR CP443-5 EXTENDED FOR CONNECTION OF SIMATIC S7-400 TO PROFIBUS, DP, S5 COMPATIBLE PG/OP AND S7 COMMUNICATION

Transmission rate

Transmission rate / at interface 1 / in accordance with PROFIBUS	9.6 kbit/s … 12 Mbit/s

Interfaces

Number of electrical connections / at interface 1 / in accordance with PROFIBUS	1
Design of electrical connection / at interface 1 / in accordance with PROFIBUS	9-pin Sub-D socket (RS485)

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage	DC
Supply voltage / 1 / from backplane bus	5 V
Relative symmetrical tolerance / at 5 V / with DC	5 %
Consumed current / from backplane bus / at 5 V / for DC / Typical	1 A
Resistive loss	5.5 W

Permitted ambient conditions

Ambient temperature	
• during operating	0 … 60 °C
• during storage	-40 … +70 °C
• during transport	-40 … +70 °C
Relative humidity / at 25 °C / without condensation / during operating / 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	0.65 kg

Product properties, functions, components / general	
Number of modules	
• per CPU / maximum	14
• note	The number of CPs that can be operated as DP masters depends on the number of CP 443-1 Advanced processors operating in the S7-400 station as PROFINET IO controllers. Up to 10 CPs can be operated in total: up to 4 as PROFINET IO controllers (CP 443-1 Advanced); up to 10 as DP masters (CP 443-5 Extended)

Performance data	
Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	32
Data volume / as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum	240 byte
Performance data / PROFIBUS DP	
Service / as DP master / DPV1	Yes
Number of DP slaves / on DP master / usable	125
Amount of data	
• of the address area of the inputs / as DP master / overall	4096 byte
• of the address area of the outputs / as DP master / overall	4096 byte
• of the address area of the inputs / per DP slave	244 byte
• of the address area of the outputs / per DP slave	244 byte
Performance data / S7 communication	
Number of possible connections / for S7 communication	
• maximum	48
Performance data / multi-protocol mode	
Number of active connections / with multi-protocol mode	
• without DP / maximum	59
• with DP / maximum	54
letzte Änderung:	Dec 2, 2013