

Product type designation

SIPLUS NET CP 443-5

SIPLUS NET CP 443-5 for media exposure based on 6GK7443-5DX05-0XE0 . Communications processor extended for connection of SIMATIC S7-400 on PROFIBUS, DP, S5-compatible PG/OP and S7 communication



Figure similar

Transmission rate

Transfer rate

- at the 1st interface / acc. to PROFIBUS 9.6 kbit/s ... 12 Mbit/s

Interfaces

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

Relative symmetrical tolerance / at DC

- at 5 V 5 %

Consumed current

- from backplane bus / at DC / at 5 V / typical 0.6 A

Power loss [W]

5.5 W

Ambient conditions	
Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
• in horizontal mounting position / during operation	60 ... 0 °C
• during storage and transport	70 ... -40 °C
Installation altitude / at height above sea level / maximum	5000 m
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
• with condensation / maximum	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
• with condensation / acc. to IEC 60068-2-38 / maximum	100 %
Resistance to biologically active substances	
• conformity acc. to EN 60721-3-3	Yes
• conformity acc. to EN 60721-3-6	Yes
Resistance to chemically active substances	
• conformity acc. to EN 60721-3-3	Yes
• conformity acc. to EN 60721-3-6	Yes
Resistance to mechanically active substances	
• conformity acc. to EN 60721-3-3	Yes
• conformity acc. to EN 60721-3-6	Yes
Coating / for equipped printed circuit board / acc. to EN 61086	Yes
Type of coating / protection against pollution according to EN 60664-3	Yes
Type of test / of the coating / acc. to MIL-I-46058C	Yes
Product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A	Yes
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 units	

- per CPU / maximum
- Note

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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 / 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 / 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 / total • of the address area of the outputs / as DP master / total • of the address area of the inputs / per DP slave • of the address area of the outputs / per DP slave	4096 byte 4096 byte 244 byte 244 byte

Performance data / S7 communication

Number of possible connections / for S7 communication • maximum	48
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Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode • without DP / maximum • with DP / maximum	59 54
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Product functions / management, configuration

Configuration software • required	STEP 7 V5.4 SP4 or higher / STEP 7 Professional V12 (TIA Portal) or higher
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Further Information / Internet Links

Internet-Link	
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- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

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