

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

transfer rate	
transfer rate	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of electrical connections	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	1
type of electrical connection	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> at 5 V 	5 %
consumed current	
<ul style="list-style-type: none"> from backplane bus / at DC / at 5 V / typical 	0.6 A
power loss [W]	5.5 W

ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
installation altitude / at height above sea level / maximum	5000 m
ambient condition / relating to ambient temperature - air pressure - installation altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
relative humidity	
<ul style="list-style-type: none"> with condensation / acc. to IEC 60068-2-38 / maximum 	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
resistance to biologically active substances	
<ul style="list-style-type: none"> conformity acc. to EN 60721-3-3 conformity acc. to EN 60721-3-6 	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	
<ul style="list-style-type: none"> conformity acc. to EN 60721-3-3 conformity acc. to EN 60721-3-6 	Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation. Yes
resistance to mechanically active substances	
<ul style="list-style-type: none"> conformity acc. to EN 60721-3-3 conformity acc. to EN 60721-3-6 	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation. Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
coating / for equipped printed circuit board / acc. to EN 61086	Yes; Class 2 for high availability
type of coating / protection against pollution according to EN 60664-3	Yes; Protection of the type 1
type of test / of the coating / acc. to MIL-I-46058C	Yes; Coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A	Yes; Conformal coating, class A
protection class IP	IP20
design, dimensions and weights	
module format	Compact module S7-400 single width
width	25 mm
height	290 mm
depth	210 mm

net weight	0.65 kg
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product features, product functions, product components / general

number of units	14
<ul style="list-style-type: none"> per CPU / maximum 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 / open communication

number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	32
amount of data	240 byte
<ul style="list-style-type: none"> as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	

performance data / PROFIBUS DP

service / as DP master	Yes
<ul style="list-style-type: none"> DPV1 	
number of DP slaves	125
<ul style="list-style-type: none"> on DP master / usable 	
amount of data	4096 byte
<ul style="list-style-type: none"> 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	48
<ul style="list-style-type: none"> maximum 	

performance data / multi-protocol mode

number of active connections / with multi-protocol mode	59
<ul style="list-style-type: none"> without DP / maximum with DP / maximum 	54

product functions / management, configuration, engineering

configuration software	
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- required

STEP 7 V5.4 SP4 or higher / STEP 7 Professional V12 (TIA Portal) or higher

further information / internet-Links

Internet-Link

- to website: Selector TIA 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

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