

### Product type designation

### SIPLUS NET CP 443-5

SIPLUS NET CP 443-5 for medial 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

## Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	<p>0 ... 60 °C</p> <p>-40 ... +70 °C</p> <p>-40 ... +70 °C</p>
Ambient condition / relating to ambient temperature - air pressure - installation altitude	-25 ... +70°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // -25 ... +60°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // -25 ... +50°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Relative humidity / with condensation / maximum	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Resistance to biologically active substances	
<ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> </ul>	Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to chemically active substances	
<ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> </ul>	Yes; Compliant with EN 60721-3-3, Class 3C4 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.
Resistance to mechanically active substances	
<ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> </ul>	Yes; Compliant with EN 60721-3-3, Class 3S4 incl. sand, dust; the supplied plug covers must remain in place on the unused interfaces during operation.
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	
<ul style="list-style-type: none"> <li>per CPU / maximum</li> <li>Note</li> </ul>	<p>14</p> <p>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)</p>

## Performance data / open communication

Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	32
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Amount of data <ul style="list-style-type: none"> <li>• as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	240 byte
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### Performance data / PROFIBUS DP

Service / as DP master <ul style="list-style-type: none"> <li>• DPV1</li> </ul>	Yes
Number of DP slaves / on DP master / usable	125
Amount of data <ul style="list-style-type: none"> <li>• of the address area of the inputs / as DP master / total</li> <li>• of the address area of the outputs / as DP master / total</li> <li>• of the address area of the inputs / per DP slave</li> <li>• of the address area of the outputs / per DP slave</li> </ul>	4096 byte 4096 byte 244 byte 244 byte

### Performance data / S7 communication

Number of possible connections / for S7 communication <ul style="list-style-type: none"> <li>• maximum</li> </ul>	48
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### Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode <ul style="list-style-type: none"> <li>• without DP / maximum</li> <li>• with DP / maximum</li> </ul>	59 54
Configuration software <ul style="list-style-type: none"> <li>• required</li> </ul>	STEP 7 V5.4 SP4 or higher / STEP 7 Professional V12 (TIA Portal) or higher

### Accessories

### Further Information / Internet Links

Internet-Link <ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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### Security information

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Security information

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