

Product type designation

SIPLUS NET CP 342-5

SIPLUS NET CP 342-5 PROFIBUS -25...+70 °C based on 6GK7342-5DA03-0XE0 . Communications processor CP 342-5 for connecting SIMATIC S7-300 to 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 interfaces / acc. to Industrial Ethernet

0

Number of electrical connections

- at the 1st interface / acc. to PROFIBUS 1
- for power supply 1

Type of electrical connection

- at the 1st interface / acc. to PROFIBUS 9-pin Sub-D socket (RS485)
- for power supply 4-pole terminal block

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage

DC

Supply voltage / 1 / from backplane bus

5 V

Supply voltage / external

24 V

Relative positive tolerance / at DC / at 24 V

20 %

Relative negative tolerance / at DC / at 24 V	15 %
Consumed current	
<ul style="list-style-type: none"> • from backplane bus / at DC / at 5 V / typical • from external supply voltage / at DC / at 24 V / typical 	0.15 A 0.25 A
Power loss [W]	6.75 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport 	-25 ... +70 °C -40 ... +70 °C -40 ... +70 °C
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	100 %
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"> • conformity acc. to EN 60721-3-3 	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"> • conformity acc. to EN 60721-3-3 	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"> • conformity acc. to EN 60721-3-3 	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 S7-300 single width
Width	40 mm
Height	125 mm
Depth	120 mm
Net weight	0.3 kg

Product properties, functions, components / general

Number of units	
<ul style="list-style-type: none"> • per CPU / maximum 	4

Performance data / open communication

Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	16
Amount of data <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • DPV0 	Yes
Number of DP slaves / on DP master / usable	124
Amount of data <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 • of the address area of the diagnostic data / per DP slave 	2160 byte 2160 byte 244 byte 244 byte 240 byte
Service / as DP slave <ul style="list-style-type: none"> • DPV0 	Yes
Amount of data <ul style="list-style-type: none"> • of the address area of the inputs / as DP slave / total • of the address area of the outputs / as DP slave / total 	240 byte 240 byte

Performance data / S7 communication

Number of possible connections / for S7 communication <ul style="list-style-type: none"> • maximum 	16
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Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode <ul style="list-style-type: none"> • without DP / maximum • with DP / maximum 	32 28
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Performance data / telecontrol

Protocol / is supported <ul style="list-style-type: none"> • TCP/IP 	No
Configuration software <ul style="list-style-type: none"> • required 	STEP 7 V5.1 SP2 or higher / STEP 7 Professional V12 (TIA Portal) or higher

Accessories

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager

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

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

<http://www.siemens.com/automation/net/catalog>

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

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

Security information

Security information

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