

Data sheet

6AG1342-5DA03-7XE0

product type designation



Figure similar

SIPLUS NET CP 342-5

SIPLUS NET CP 342-5 PROFIBUS based on 6GK7342-5DA03-0XE0 with conformal coating, -25...+70 °C, communications processor CP 342-5 for connecting SIMATIC S7-300 to PROFIBUS, DP, S5-compatible, PG/OP and S7 communication

transfer rate

transfer rate	9.6 kbit/s ... 12 Mbit/s
• at the 1st interface / according to PROFIBUS	

interfaces

number of interfaces / according to Industrial Ethernet	0
number of electrical connections	
• at the 1st interface / according to PROFIBUS	1
• for power supply	1
type of electrical connection	
• at the 1st interface / according 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	
• from backplane bus / at DC / at 5 V / typical	0.15 A
• from external supply voltage / at DC / at 24 V / typical	0.25 A
power loss [W]	6.75 W

ambient conditions

ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-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	
• with condensation / according 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	
• conformity according to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request
• conformity according to EN 60721-3-6	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	

• conformity according to EN 60721-3-3	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.
• conformity according to EN 60721-3-6	Yes
resistance to mechanically active substances <ul style="list-style-type: none"> • conformity according to EN 60721-3-3 • conformity according 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 / according 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 / according 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 according to IPC-CC-830A	Yes; Conformal coating, class A
protection class IP	IP20
design, dimensions and weights	
module format	Compact module S7-300 single width
width	40 mm
height	125 mm
depth	120 mm
net weight	0.3 kg
product features, product functions, product 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
data volume <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 <ul style="list-style-type: none"> • on DP master / operable 	124
data volume <ul style="list-style-type: none"> • of the address range of the inputs / as DP master / total • of the address range of the outputs / as DP master / total • of the address range of the inputs / per DP slave • of the address range of the outputs / per DP slave • of the address range 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
data volume <ul style="list-style-type: none"> • of the address range of the inputs / as DP slave / total • of the address range 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
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
performance data / telecontrol	
protocol / is supported <ul style="list-style-type: none"> • TCP/IP 	No
product functions / management, configuration, engineering	
configuration software <ul style="list-style-type: none"> • required 	STEP 7 V5.1 SP2 or higher / STEP 7 Professional V12 (TIA Portal) or higher
further information / internet links	

internet link

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://www.siemens.com/tstcloud>
<https://www.siemens.com/simatic-net>
<https://sieportal.siemens.com>
<https://www.automation.siemens.com/bilddb>
<https://www.siemens.com/cax>
<http://support.automation.siemens.com>

security information

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Approvals / Certificates

General Product Approval

EMV



[Miscellaneous](#)

EG-Konf.

[Manufacturer Declaration](#)



[KC](#)



RCM

For use in hazardous locations

[CCC-Ex](#)



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