

Spare part SIPLUS NET CP 343-1 for medial exposure with conformal coating based on 6GK7343-1EX30-0XE0 .
 Communications processor for connection of SIMATIC S7-300 to Incl. Ethernet via ISO and TCP/IP, TCP/IP, PROFINET IO controller or PROFINET IO device, Integrated integrated 2-port switch ERTEC200 S7 comm., fetch/write, Send/Rcv with and without RFC1006, MULTICAST DHCP, NTC-CPU Sync, diagnostics, initialization via LAN, 2x RJ45 connection for LAN with 10/100 Mbit/s

Transmission rate

Transfer rate

- at the 1st interface

10 ... 100 Mbit/s

Interfaces

Number of interfaces / acc. to Industrial Ethernet

2

Number of electrical connections

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

2

1

Type of electrical connection

- at the 1st interface / acc. to Industrial Ethernet
- of Industrial Ethernet interface
- for power supply

RJ45 port

RJ45 port

2-pole plugable 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

24 V

Supply voltage / external

24 V

Supply voltage / external / at DC / Rated value

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
- from external supply voltage / at DC / at 24 V / typical
- from external supply voltage / at DC / at 24 V / maximum

0.2 A

0.16 A

0.2 A

Power loss [W]

5.8 W

Permitted ambient conditions

Ambient temperature

- during operation

0 ... 60 °C

<ul style="list-style-type: none"> • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport 	<p>0 ... 40 °C</p> <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	0 ... +60°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // 0 ... +50°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // 0 ... +40°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
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; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to mechanically active substances <ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over 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	0.22 kg

Performance data / open communication

Number of Multicast stations	16
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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	32
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Performance data / PROFINET communication / as PN IO-Controller

Number of external PN IO lines / with PROFINET / per rack	1
Amount of data <ul style="list-style-type: none"> • as user data for input variables / as PROFINET IO controller / maximum 	1 Kibyte

• as user data for input variables / as PROFINET IO controller / maximum	1 Kibyte
• as user data for input variables per PN IO device / as PROFINET IO controller / maximum	240 byte
• as user data for output variables per PN IO device / as PROFINET IO controller / maximum	240 byte

Performance data / PROFINET communication / as PN IO-Device

Amount of data	
• as user data for input variables / as PROFINET IO device / maximum	512 byte
• as user data for input variables / as PROFINET IO device / maximum	512 byte
• as user data for input variables / for each sub-module as PROFINET IO device	240 byte
• as user data for input variables / for each sub-module as PROFINET IO device	240 byte
• as user data for the consistency area for each sub-module	240 byte
Number of submodules / per PROFINET IO-Device	32
Product function / MIB support	Yes
Protocol / is supported	
• SNMP v1	Yes
• DCP	Yes
• LLDP	Yes
Configuration software	
• required	STEP 7 V5.4 SP2 or higher

Product functions / switch

Product feature / Switch	Yes
Product function	
• with IRT / PROFINET IO switch	Yes
• Configuration with STEP 7	Yes

Product functions / Redundancy

Product function	
• Ring redundancy	Yes
• Redundancy manager	No
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes

Product functions / Security

Product function	
• ACL - IP-based	Yes
• ACL - IP-based for PLC/routing	No
• switch-off of non-required services	Yes

Product functions / Time

Product function / SICLOCK support	Yes
Protocol / is supported	
• NTP	Yes

Accessories

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL <http://www.siemens.com/snst>
- to website: Industrial communication <http://www.siemens.com/simatic-net>
- to website: Information and Download Center <http://www.siemens.com/automation/net/catalog>
- to website: Image database <http://automation.siemens.com/bilddb>
- to website: CAx Download Manager <http://www.siemens.com/cax>

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