

Product type designation

CP 343-5

Communications processor CP 343-5 for connection of SIMATIC S7-300 to PROFIBUS, FMS, S5-compatible, PG/OP and S7 communication, 12 Mbit/s, Single-width



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 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 <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]	5 W

Permitted 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
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
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
Mounting type <ul style="list-style-type: none"> • S7-300 rail mounting 	Yes

Product properties, functions, components / general

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

Number of possible connections / for FMS connection / maximum	16
Amount of data / of the variables <ul style="list-style-type: none"> • for READ job / maximum • for WRITE and REPORT job / maximum 	237 byte 233 byte
Number of variables <ul style="list-style-type: none"> • Configurable from server to FMS partner 	256

- Loadable from server to FMS partner

256

Performance data / S7 communication

Number of possible connections / for S7 communication

- maximum

16

Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode

48

Performance data / telecontrol

Protocol / is supported

- TCP/IP

No

Configuration software

- required

STEP 7 V5.1 SP3 or higher and NCM S7 for PROFIBUS

Accessories

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET 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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