

### Product type designation

### CP 343-5

COMMUNICATIONSPROCESSOR CP343-5 FOR CONNECTING SIMATIC S7-300 TO PROFIBUS, FMS, S5-COMPATIBLE PG/OP AND S7 COMMUNICATION 12 MBAUD, 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
- for power supply

1

1

Type of electrical connection

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

9-pin Sub-D socket (RS485)

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	
• 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]	5 W

### Permitted ambient conditions

Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-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	
• S7-300 rail mounting	Yes

### Product properties, functions, components / general

Number of units	
• 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	
• 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	
• for READ job / maximum	237 byte
• for WRITE and REPORT job / maximum	233 byte
Number of variables	
• 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

### 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

Security information

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