



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

Transmission rate

Transmission rate / at interface 1 / in accordance with PROFIBUS 9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of electrical connections

- at interface 1 / in accordance with PROFIBUS 1
- for power supply 1

Design of electrical connection

- at interface 1 / in accordance with PROFIBUS 9-pin Sub-D socket (RS485)

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage DC

Supply voltage

- 1 / from backplane bus 5 V
- external 24 V

Relative positive tolerance / at 24 V / with DC 20 %

Relative negative tolerance / at 24 V / with DC 15 %

Consumed current

- from backplane bus / at 5 V / for DC / Typical 0.15 A
- from external supply voltage / at 24 V / with DC
 - typical 0.25 A

Resistive loss 5 W

Permitted ambient conditions

Ambient temperature	
• during operating	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Width	40 mm
Height	125 mm
Depth	120 mm
Net weight	0.3 kg
Product properties, functions, components / general	
Number of modules	
• per CPU / maximum	4
Performance data	
Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	16
Data volume / 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 multiprotocol mode	48
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