

Product-type designation

CP 342-5



COMMUNICATIONSPROCESSOR CP342-5 FOR CONNECTING SIMATIC S7-300 TO PROFIBUS, DP, S5-COMPATIBLE PG/OP AND S7 COMMUNICATION

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

Number of electrical connections

- 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
- external

5 V

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

0.15 A

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 | |
| Module format | Compact module S7-300 single width |
| Width | 40 mm |
| Height | 125 mm |
| Depth | 120 mm |
| Net weight | 0.3 kg |
| Product properties, functions, components / general | |
| Number of units | |
| • 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 / PROFIBUS DP | |
| Service / as DP master / DPV0 | Yes |
| Number of DP slaves / on DP master / usable | 124 |
| Amount of data | |
| • of the address area of the inputs / as DP master / overall | 2160 byte |
| • of the address area of the outputs / as DP master / overall | 2160 byte |
| • of the address area of the inputs / per DP slave | 244 byte |
| • of the address area of the outputs / per DP slave | 244 byte |
| • of the address area of the diagnostic data / per DP slave | 240 byte |
| Service / as DP slave | |
| • DPV0 | Yes |
| • DPV1 | No |
| Amount of data | |
| • of the address area of the inputs / as DP slave / overall | 240 byte |
| • of the address area of the outputs / as DP slave / overall | 240 byte |
| Performance data / S7 communication | |

Number of possible connections / for S7 communication

- maximum

Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode

- without DP / maximum
- with DP / maximum

letzte Änderung:

16

32

28

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