

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

| transfer rate | |
|--|------------------------------------|
| transfer rate | |
| <ul style="list-style-type: none"> at the 1st interface / according to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |
| interfaces | |
| number of interfaces / according to Industrial Ethernet | 0 |
| number of electrical connections | |
| <ul style="list-style-type: none"> at the 1st interface / according to PROFIBUS | 1 |
| <ul style="list-style-type: none"> for power supply | 1 |
| type of electrical connection | |
| <ul style="list-style-type: none"> at the 1st interface / according to PROFIBUS | 9-pin Sub-D socket (RS485) |
| <ul style="list-style-type: none"> 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 | 0.15 A |
| <ul style="list-style-type: none"> from external supply voltage / at DC / at 24 V / typical | 0.25 A |
| power loss [W] | 5 W |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> during operation | 0 ... 60 °C |
| <ul style="list-style-type: none"> during storage | -40 ... +70 °C |
| <ul style="list-style-type: none"> during transport | -40 ... +70 °C |
| relative humidity | |
| <ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| design, dimensions and weights | |
| module format | Compact module S7-300 single width |
| width | 40 mm |
| height | 125 mm |
| depth | 120 mm |
| net weight | 0.3 kg |
| fastening method | |

| | |
|--|--|
| <ul style="list-style-type: none"> • S7-300 rail mounting | Yes |
| product features, product functions, product components / general | |
| number of units | |
| <ul style="list-style-type: none"> • per CPU / maximum | 4 |
| performance data / open communication | |
| number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum | 16 |
| data volume | |
| <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 |
| data volume / of the variables | |
| <ul style="list-style-type: none"> • for READ job / maximum | 237 byte |
| <ul style="list-style-type: none"> • for WRITE and REPORT job / maximum | 233 byte |
| number of variables | |
| <ul style="list-style-type: none"> • configurable from server to FMS partner | 256 |
| <ul style="list-style-type: none"> • loadable from server to FMS partner | 256 |
| performance data / S7 communication | |
| number of possible connections / for S7 communication | |
| <ul style="list-style-type: none"> • maximum | 16 |
| performance data / multi-protocol mode | |
| number of active connections / with multi-protocol mode | 48 |
| performance data / telecontrol | |
| protocol / is supported | |
| <ul style="list-style-type: none"> • TCP/IP | No |
| product functions / management, configuration, engineering | |
| configuration software | |
| <ul style="list-style-type: none"> • required | STEP 7 V5.1 SP3 or higher and NCM S7 for PROFIBUS |
| standards, specifications, approvals | |
| reference code | |
| <ul style="list-style-type: none"> • according to IEC 81346-2:2019 | KEC |
| standards, specifications, approvals / Environmental Product Declaration | |
| Environmental Product Declaration | Yes |
| Global Warming Potential [CO2 eq] | |
| <ul style="list-style-type: none"> • total | 229.03 kg |
| <ul style="list-style-type: none"> • during manufacturing | 17.48 kg |
| <ul style="list-style-type: none"> • during operation | 211.2 kg |
| <ul style="list-style-type: none"> • after end of life | 0.35 kg |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| <ul style="list-style-type: none"> • to website: Industrial communication | https://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> • to web page: SiePortal | https://sieportal.siemens.com/ |
| <ul style="list-style-type: none"> • to website: Image database | https://www.automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> • to website: CAx-Download-Manager | https://siemens.com/cax |
| <ul style="list-style-type: none"> • to website: Industry Online Support | https://support.industry.siemens.com |
| security information | |
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General Product Approval

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last modified:

12/8/2024