

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

- 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 | |
| • at the 1st interface / according to PROFIBUS | 1 |
| • for power supply | 1 |
| type of electrical connection | |
| • at the 1st interface / according 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 | |
| • 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 |

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 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 data volume <ul style="list-style-type: none"> • as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	16 240 byte
performance data / FMS functions	
number of possible connections / for FMS connection / maximum data volume / of the variables <ul style="list-style-type: none"> • for READ job / maximum • for WRITE and REPORT job / maximum 	16 237 byte 233 byte
number of variables <ul style="list-style-type: none"> • configurable from server to FMS partner • loadable from server to FMS partner 	256 256
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 / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
further information / internet-Links	
Internet-Link <ul style="list-style-type: none"> • to web page: selection aid TIA 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/tia-selection-tool 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	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com . (V3.4)

last modified:

7/7/2022 