SIEMENS

## Data sheet 6GK7342-5DA03-0XE0

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| **product type designation** | **CP 342-5** |



communications processor CP 342-5 for connection of SIMATIC S7-300 to PROFIBUS DP, S5-compatible, PG/OP and S7 communication.

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| **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 / 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] | 6.75 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 |


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| **product features, product functions, product 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 |
| 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 / operable | 124 |
| data volume | |
| ● of the address range of the inputs / as DP master / total | 2160 byte |
| ● of the address range of the outputs / as DP master / total | 2160 byte |
| ● of the address range of the inputs / per DP slave | 244 byte |
| ● of the address range of the outputs / per DP slave | 244 byte |
| ● of the address range of the diagnostic data / per DP slave | 240 byte |
| service / as DP slave | |
| ● DPV0 | Yes |
| data volume | |
| ● of the address range of the inputs / as DP slave / total | 240 byte |
| ● of the address range of the outputs / as DP slave / total | 240 byte |
| **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 | |
| ● without DP / maximum | 32 |
| ● with DP / maximum | 28 |
| **performance data / telecontrol** | |
| protocol / is supported | |
| ● TCP/IP | No |
| **product functions / management, configuration, engineering** | |
| configuration software | |
| ● required | STEP 7 V5.1 SP2 or higher / STEP 7 Professional V12 (TIA Portal) or higher |
| **standards, specifications, approvals / hazardous environments** | |
| certificate of suitability / CCC / for hazardous zone according to GB standard | Yes |
| **further information / internet-Links** | |
| Internet-Link | |
| ● to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| ● to website: Industrial communication | http://www.siemens.com/simatic-net |
| ● to website: Industry Mall | https://mall.industry.siemens.com |
| ● to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| ● to website: Image database | http://automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | http://www.siemens.com/cax |
| ● to website: Industry Online Support | 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' |


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