SIEMENS

## Data sheet 6GK7243-5DX30-0XE0

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|---|---|
| **product type designation** | **CM 1243-5** |

communications module CM 1243-5 for connection of SIMATIC S7-1200 to PROFIBUS as DP Master module; PG/OP communication; 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 | 3-pole terminal block |
| **supply voltage, current consumption, power loss** | |
| type of voltage / of the supply voltage | DC |
| 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 | 20 % |
| consumed current | |
| ● from external supply voltage / at DC / at 24 V / typical | 0.1 A |
| power loss [W] | 2.4 W |
| **ambient conditions** | |
| ambient temperature | |
| ● for vertical installation / during operation | 0 ... 45 °C |
| ● for horizontally arranged busbars / during operation | 0 ... 55 °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 S7-1200 single width |
| width | 30 mm |
| height | 100 mm |
| depth | 75 mm |
| net weight | 0.134 kg |
| fastening method | |
| ● 35 mm top hat DIN rail mounting | Yes |
| ● S7-300 rail mounting | No |

| | |
|---|---|
| ● wall mounting | Yes |
| **product features, product functions, product components / general** | |
| number of units | |
| ● per CPU / maximum | 3 |
| **performance data / PROFIBUS DP** | |
| service / as DP master | |
| ● DPV1 | Yes |
| number of DP slaves | |
| ● on DP master / operable | 32 |
| data volume | |
| ● of the address range of the inputs / as DP master / total | 512 byte |
| ● of the address range of the outputs / as DP master / total | 512 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 | No |
| ● DPV1 | No |
| **performance data / S7 communication** | |
| number of possible connections / for S7 communication | |
| ● maximum | 8; max. 4 connections to other S7 stations |
| ● with PG connections / maximum | 1 |
| ● with PG/OP connections / maximum | 3 |
| **performance data / multi-protocol mode** | |
| number of active connections / with multi-protocol mode | |
| ● without DP / maximum | 8 |
| ● with DP / maximum | 8 |
| **performance data / telecontrol** | |
| protocol / is supported | |
| ● TCP/IP | No |
| **product functions / management, configuration, engineering** | |
| configuration software | |
| ● required | STEP 7 Basic/Professional |
| **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' 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) |
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