# SIEMENS

**Data sheet** **6GK7242-5DX30-0XE0**

| product type designation | **CM 1242-5** |
|---|---|
|  | communications module CM 1242-5; for connection of SIMATIC S7-1200 to PROFIBUS as DP slave module. |

| 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 | 0 |
| type of electrical connection | |
| ● at the 1st interface / according to PROFIBUS | 9-pin Sub-D socket (RS485) |
| **supply voltage, current consumption, power loss** | |
| type of voltage / of the supply voltage | DC |
| supply voltage / 1 / from backplane bus | 5 V |
| consumed current | |
| ● from backplane bus / at DC / at 5 V / typical | 0.15 A |
| power loss [W] | 0.75 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 | 0.115 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 |

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| performance data / PROFIBUS DP | |
|---|---|
| service / as DP slave | |
| ● DPV0 | Yes |
| ● DPV1 | 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 / 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; GB3836.1, GB3836.8 |
| certificate of suitability / CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| **standards, specifications, approvals / Environmental Product Declaration** | |
| Environmental Product Declaration | Yes |
| Global Warming Potential [CO2 eq] | |
| ● total | 89.58 kg |
| ● during manufacturing | 14.29 kg |
| ● during operation | 75.11 kg |
| ● after end of life | 0.18 kg |
| **further information / internet links** | |
| internet link | |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to website: Industrial communication | https://www.siemens.com/simatic-net |
| ● to web page: SiePortal | https://sieportal.siemens.com |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://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 cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

### Approvals / Certificates

#### General Product Approval

CE — EG-Konf.   Declaration of Conformity   UKCA   CCC   UL   RCM

| EMV | For use in hazardous locations |
|---|---|

KC                ATEX              IECEx                FM               CCC-Ex              UL

**Marine / Shipping**

ABS            BUREAU VERITAS        DNV            Lloyd's Register        NK / Nippon Kaiji Ky-        RINA
                                                    LRS                     okai

**Environment**

Confirmation         EPD

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