# SIEMENS

| **Data sheet** | **6AG1243-5DX30-2XE0** |
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| product type designation | **CM 1243-5** |
|---|---|
| | SIPLUS S7-1200 CM 1243-5 based on 6GK7243-5DX30-0XE0 with conformal coating, -25…+55 °C, communications module CM 1243-5, for connecting S7-1200 to PROFIBUS as DP master module |

Figure similar

| Technical Product Detail Page | https://i.siemens.com/1P6AG1243-5DX30-2XE0 |
|---|---|
| **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 | -25 ... +45 °C |
| ● for horizontally arranged busbars / during operation | -25 ... +55 °C |
| ● during storage | -40 ... +70 °C |
| ● during transport | -40 ... +70 °C |
| installation altitude / at height above sea level / maximum | 5000 m |
| ambient condition / relating to ambient temperature - air pressure - installation altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m) |
| relative humidity | |
| ● with condensation / according to IEC 60068-2-38 / maximum | 100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation |
| chemical resistance / to commercially available cooling lubricants | Yes; incl. airborne diesel and oil droplets |
| resistance to biologically active substances | |
| ● conformity according to EN 60721-3-3 | Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on |

| | |
|---|---|
| | request |
| ● conformity according to EN 60721-3-6 | Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna) |
| resistance to chemically active substances | |
| ● conformity according to EN 60721-3-3 | Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation. |
| ● conformity according to EN 60721-3-6 | Yes |
| resistance to mechanically active substances | |
| ● conformity according to EN 60721-3-3 | Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation. |
| ● conformity according to EN 60721-3-6 | Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation. |
| coating / for equipped printed circuit board / according to EN 61086 | Yes; Class 2 for high availability |
| type of coating / protection against pollution according to EN 60664-3 | Yes; Protection of the type 1 |
| type of test / of the coating / according to MIL-I-46058C | Yes; Coating discoloration during service life possible |
| product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A | Yes; Conformal coating, class A |
| 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 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 devices | |
| ● 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 device | 244 byte |
| ● of the address range of the outputs / per DP device | 244 byte |
| ● of the address range of the diagnostic data / per DP device | 240 byte |
| service / as DP device | |
| ● 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 |

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| product functions / management, configuration, engineering | |
|---|---|
| configuration software | |
| ● required | STEP 7 Basic/Professional |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |

| further information / internet links | |
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| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● 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://siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

| security information | |
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| 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 | | | | EMV |
|---|---|---|---|---|
| CE EG-Konf. | Manufacturer Declaration | UKCA | China RoHS | UL |
| | | | | RCM |

| For use in hazardous locations | | | Maritime application |
|---|---|---|---|
| CCC-Ex | ATEX | IECEx | DNV |

| last modified: | 10/28/2025 |
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