# SIEMENS

**Data sheet** **6AG1243-5DX30-2XE0**

| product type designation | **SIPLUS S7-1200 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

## 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 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 | 1 |

## performance data / PROFIBUS DP

| | |
|---|---|
| service / as DP master | |
| ● DPV1 | Yes |
| number of DP slaves | |
| ● on DP master / operable | 16 |
| 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 V11 (TIA Portal) or higher |

| further information / internet-Links | |
|---|---|
| Internet-Link | |
| ● to web page: selection aid TIA Selection Tool | http://www.siemens.com/snst |
| ● to website: Industrial communication | http://www.siemens.com/simatic-net |
| ● to website: Industry Mall | http://www.siemens.com/industrial-controls/mall |
| ● to website: Information and Download Center | http://www.siemens.com/automation/net/catalog |
| ● to website: Image database | http://automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | http://www.siemens.com/cax |
| ● to website: Industry Online Support | http://support.automation.siemens.com |

| security information | |
|---|---|
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