

Product type designation

SIPLUS S7-1200 CM 1243-5

SIPLUS S7-1200 CM 1243-5; -25 ... +55 DEGREES C WITH CONFORMAL COATING BASED ON 6GK7243-5DX30-0XE0 . COMMUNICATION MODULE CM 1243-5, TO THE CONNECTION OFF S7-1200 TO PROFIBUS AS A DP MASTER ASSEMBLY



Figure similar

Transmission rate

Transfer rate

- at the 1st interface / acc. to PROFIBUS 9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of interfaces / acc. to Industrial Ethernet

0

Number of electrical connections

- at the 1st interface / acc. to PROFIBUS 1
- for power supply 1

Type of electrical connection

- at the 1st interface / acc. 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 | |
| <ul style="list-style-type: none"> • from external supply voltage / at DC / at 24 V / typical | 0.1 A |
| Power loss [W] | 2.4 W |

Permitted ambient conditions

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|--|---|
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation | -25 ... +55 °C |
| <ul style="list-style-type: none"> • for vertical installation / during operation | -25 ... +45 °C |
| <ul style="list-style-type: none"> • for horizontally arranged busbars / during operation | -25 ... +55 °C |
| <ul style="list-style-type: none"> • during storage | -40 ... +70 °C |
| <ul style="list-style-type: none"> • during transport | -40 ... +70 °C |
| Ambient condition / relating to ambient temperature - air pressure - installation altitude | -25 ... +55°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // -25 ... +45°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // -25 ... +35°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m) |
| Relative humidity / with condensation / maximum | 100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state) |
| Resistance to biologically active substances / conformity acc. to EN 60721-3-3 | Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation! |
| Resistance to chemically active substances / conformity acc. to EN 60721-3-3 | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3). The supplied plug covers must remain in place over the unused interfaces during operation! |
| Resistance to mechanically active substances / conformity acc. 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! |
| Protection class IP | IP20 |

Design, dimensions and weight

| | |
|---|-------------------------------------|
| Module format | Compact module S7-1200 single width |
| Width | 30 mm |
| Height | 100 mm |
| Depth | 75 mm |
| Net weight | 0.134 kg |
| Mounting type | |
| <ul style="list-style-type: none"> • 35 mm DIN rail mounting | Yes |
| <ul style="list-style-type: none"> • S7-300 rail mounting | No |
| <ul style="list-style-type: none"> • wall mounting | Yes |

Product properties, functions, components / general

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|---|---|
| Number of units | |
| <ul style="list-style-type: none"> • per CPU / maximum | 1 |

Performance data / PROFIBUS DP

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|--|-----|
| Service / as DP master | |
| <ul style="list-style-type: none"> • DPV1 | Yes |

| | |
|---|----------|
| Number of DP slaves / on DP master / usable | 16 |
| Amount of data | |
| <ul style="list-style-type: none"> of the address area of the inputs / as DP master / total | 512 byte |
| <ul style="list-style-type: none"> of the address area of the outputs / as DP master / total | 512 byte |
| <ul style="list-style-type: none"> of the address area of the inputs / per DP slave | 244 byte |
| <ul style="list-style-type: none"> of the address area of the outputs / per DP slave | 244 byte |
| <ul style="list-style-type: none"> of the address area of the diagnostic data / per DP slave | 240 byte |
| Service / as DP slave | |
| <ul style="list-style-type: none"> DPV0 | No |
| <ul style="list-style-type: none"> DPV1 | No |

Performance data / S7 communication

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|--|---|
| Number of possible connections / for S7 communication | |
| <ul style="list-style-type: none"> maximum | 8 |
| <ul style="list-style-type: none"> with PG connections / maximum | 1 |
| <ul style="list-style-type: none"> with PG/OP connections / maximum | 3 |
| <ul style="list-style-type: none"> Note | max. 4 connections to other S7 stations |

Performance data / multi-protocol mode

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|--|---|
| Number of active connections / with multi-protocol mode | |
| <ul style="list-style-type: none"> without DP / maximum | 8 |
| <ul style="list-style-type: none"> with DP / maximum | 8 |

Performance data / telecontrol

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| Protocol / is supported | |
| <ul style="list-style-type: none"> TCP/IP | No |
| Configuration software | |
| <ul style="list-style-type: none"> required | STEP 7 Basic/Professional V11 (TIA Portal) or higher |

Further Information / Internet Links

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|---|---|
| Internet-Link | |
| <ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| <ul style="list-style-type: none"> to website: Industrial communication | http://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> to website: Industry Mall | https://mall.industry.siemens.com |
| <ul style="list-style-type: none"> to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| <ul style="list-style-type: none"> to website: Image database | http://automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> to website: CAx Download Manager | http://www.siemens.com/cax |
| <ul style="list-style-type: none"> to website: Industry Online Support | https://support.industry.siemens.com |

Security information

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last modified:

08/01/2016