

Product type designation

CM 1242-5

Communication module CM 1242-5; for connection of SIMATIC S7-1200 to PROFIBUS as DP Slave module



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
- for power supply

1

0

Type of electrical connection

- at the 1st interface / acc. 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

Permitted ambient conditions

| | |
|--|--|
| Ambient temperature | |
| <ul style="list-style-type: none"> • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport | 0 ... 45 °C 0 ... 55 °C -40 ... +70 °C -40 ... +70 °C |
| Relative humidity / at 25 °C / without condensation / during operation / maximum | 95 % |
| 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 | 0.115 kg |
| Mounting type | |
| <ul style="list-style-type: none"> • 35 mm DIN rail mounting • S7-300 rail mounting • wall mounting | Yes No Yes |

Product properties, functions, components / general

| | |
|---|---|
| Number of units | |
| <ul style="list-style-type: none"> • per CPU / maximum | 3 |

Performance data / PROFIBUS DP

| | |
|---|----------------------|
| Service / as DP slave | |
| <ul style="list-style-type: none"> • DPV0 • DPV1 | Yes Yes |
| Amount of data | |
| <ul style="list-style-type: none"> • of the address area of the inputs / as DP slave / total • of the address area of the outputs / as DP slave / total | 240 byte 240 byte |

Performance data / telecontrol

| | |
|--|----|
| Protocol / is supported | |
| <ul style="list-style-type: none"> • TCP/IP | No |

Product functions / management, configuration

| | |
|--|---------------------------|
| Configuration software | |
| <ul style="list-style-type: none"> • required | STEP 7 Basic/Professional |

Further Information / Internet Links

| | |
|---|---|
| Internet-Link | |
| <ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |

- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/simatic-net>
<https://mall.industry.siemens.com>
<http://www.siemens.com/industry/infocenter>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<https://support.industry.siemens.com>

Security information

Security information

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