

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

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	
<ul style="list-style-type: none"> • 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	
---------------	--

- to website: Selector SIMATIC NET SELECTION TOOL
- 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/snst>

<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

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

last modified:

08/26/2019