

Product type designation

CM 1243-5

Communication module CM 1243-5 for connection of SIMATIC S7-1200 to PROFIBUS as DP Master module; PG/OP communication; S7 communication



Transfer 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	0.1 A
<ul style="list-style-type: none"> from external supply voltage / at DC / at 24 V / typical 	
Power loss [W]	2.4 W

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> for vertical installation / during operation 	0 ... 45 °C
<ul style="list-style-type: none"> for horizontally arranged busbars / during operation 	0 ... 55 °C
<ul style="list-style-type: none"> during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> during transport 	-40 ... +70 °C
Relative humidity	
<ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum 	95 %
Protection class IP	IP20
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 features, product functions, product components / general

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

Performance data / PROFIBUS DP

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	

- DPV0 No
- DPV1 No

Performance data / S7 communication

- Number of possible connections / for S7 communication
- maximum 8
 - with PG connections / maximum 1
 - with PG/OP connections / maximum 3
 - Note max. 4 connections to other S7 stations

Performance data / multi-protocol mode

- Number of active connections / with multi-protocol mode
- without DP / maximum 8
 - with DP / maximum 8

Performance data / PROFINET CBA

- Protocol / is supported
- TCP/IP No

Product functions / management, configuration, engineering

- Configuration software
- required STEP 7 Basic/Professional

Further information / Internet-Links

- Internet-Link
- to website: Selector SIMATIC NET SELECTION TOOL <http://www.siemens.com/snst>
 - to website: Industrial communication <http://www.siemens.com/simatic-net>
 - to website: Industry Mall <https://mall.industry.siemens.com>
 - to website: Information and Download Center <http://www.siemens.com/industry/infocenter>
 - to website: Image database <http://automation.siemens.com/bilddb>
 - to website: CAx Download Manager <http://www.siemens.com/cax>
 - to website: Industry Online Support <https://support.industry.siemens.com>

Security information

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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)

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