

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



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

1

Type of electrical connection

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

9-pin Sub-D socket (RS485)

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

Permitted 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 / 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	0.134 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

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

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 / telecontrol

- Protocol / is supported
- TCP/IP No

Accessories

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>

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Security information

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