

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

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

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	
<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 / telecontrol

Protocol / is supported	
• TCP/IP	No

Product functions / management, configuration

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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