

product type designation



CM 1243-5

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

product brand name

SIMATIC NET

Technical Product Detail Page

<https://l.siemens.com/1P6GK7243-5DX30-0XE0>

transfer rate

transfer rate

- at the 1st interface / according to PROFIBUS 9.6 kbit/s ... 12 Mbit/s

interfaces

number of interfaces / according to Industrial Ethernet

0

number of electrical connections

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

type of electrical connection

- at the 1st interface / according 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

- from external supply voltage / at DC / at 24 V / typical 0.1 A

power loss [W]

2.4 W

ambient conditions

ambient temperature

- for vertical installation / during operation 0 ... 45 °C
- for horizontally arranged busbars / during operation 0 ... 55 °C
- during storage -40 ... +70 °C
- during transport -40 ... +70 °C

relative humidity

- at 25 °C / without condensation / during operation / maximum 95 %

protection class IP

IP20

design, dimensions and weights

module format

Compact module S7-1200 single width

width

30 mm

height

100 mm

depth

75 mm

net weight

0.134 kg

fastening method	
• 35 mm DIN-rail mounting	Yes
• S7-300 rail mounting	No
• wall mounting	Yes
product features, product functions, product components / general	
number of units	
• per CPU / maximum	3
performance data / PROFIBUS DP	
service / as DP master	
• DPV1	Yes
number of DP devices	
• on DP master / operable	32
data volume	
• of the address range of the inputs / as DP master / total	512 byte
• of the address range of the outputs / as DP master / total	512 byte
• of the address range of the inputs / per DP device	244 byte
• of the address range of the outputs / per DP device	244 byte
• of the address range of the diagnostic data / per DP device	240 byte
service / as DP device	
• DPV0	No
• DPV1	No
performance data / S7 communication	
number of possible connections / for S7 communication	
• maximum	8; max. 4 connections to other S7 stations
• with PG connections / maximum	1
• with PG/OP connections / maximum	3
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, engineering	
configuration software	
• required	STEP 7 Basic/Professional
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
standards, specifications, approvals	
certificate of suitability / CE marking	Yes
certificate of suitability / UKCA marking	Yes
certificate of suitability / KC approval	Yes
certificate of suitability / Regulatory Compliance Mark (RCM)	Yes
certificate of suitability / RoHS conformity	Yes
certificate of suitability / EAC approval	Yes
standards, specifications, approvals / hazardous environments / header	
certificate of suitability / ATEX	Yes
certificate of suitability / IECEx	Yes
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
certificate of suitability / FM registration	Yes
standards, specifications, approvals / marine classification / header	
Marine classification association / American Bureau of Shipping Europe Ltd. (ABS)	Yes
Marine classification association / French marine classification society (BV)	Yes
Marine classification association / Det Norske Veritas (DNV)	Yes
Marine classification association / Lloyds Register of Shipping (LRS)	Yes
Marine classification association / Nippon Kaiji Kyokai (NK)	Yes

Marine classification association / Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
- total - during manufacturing - during operation - after end of life	89.58 kg 14.29 kg 75.11 kg 0.18 kg
further information / internet links	
internet link	
- to website: Selection guide for cables and connectors - to web page: selection aid TIA Selection Tool - to website: Industrial communication - to web page: SiePortal - to website: Image database - to website: CAX-Download-Manager - to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://siemens.com/cax https://support.industry.siemens.com
security information	
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Approvals / Certificates	
General Product Approval	
 EG-Konf.	Declaration of Conformity
	
	China RoHS
	Manufacturer Declaration
General Product Approval	
 UL	 RCM
	China RoHS
	 EG-Konf.
	
	
For use in hazardous locations	
 ATEX	 IECEX
	FM
	CCC-Ex
Maritime application	
	 ABS
	 BUREAU VERITAS
Maritime application	
Environment	



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