SIEMENS

Data sheet	6GK7243-5DX30-0XE0

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	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
Relative positive tolerance / for DC / at 24 V	20 %
Relative negative tolerance / for DC / at 24 V	20 %
Consumed current	
• from external supply voltage / for DC / at 24 V / typical	0.1 A
Active power loss	2.4 W

Permitted ambient conditions	
Ambient temperature	
• for vertical installation / during operation	0 ... 45 °C

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• 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 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	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	No
• wall mounting	Yes

Product properties, functions, components / general

Number of units	
• per CPU / maximum	3

Performance data / PROFIBUS DP

Service / as DP master	
• DPV1	Yes
Number of DP slaves / on DP master / usable	16
Amount of data	
• of the address area of the inputs / as DP master / total	512 byte
• of the address area of the outputs / as DP master / total	512 byte
• of the address area of the inputs / per DP slave	244 byte
• of the address area of the outputs / per DP slave	244 byte
• 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 V11 (TIA Portal) or higher

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/automation/net/catalog
● 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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