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Data sheet 6GK7243-5DX30-0XE0

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	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 / at DC / at 24 V	20 %
Relative negative tolerance / at DC / at 24 V	20 %
Consumed current	

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• from external supply voltage / at 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
• 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

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• 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: 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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last modified:	24.09.2015

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