SIEMENS

Data sheet   **6GK7243-5DX30-0XE0**

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.

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 top hat 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 slaves	
● 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 slave	244 byte
● of the address range of the outputs / per DP slave	244 byte
● of the address range 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; 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
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
further information / internet-Links	
Internet-Link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● 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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