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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

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● 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	
reference code	
● according to IEC 81346-2:2019	KEC
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
● total	89.58 kg
● during manufacturing	14.29 kg
● during operation	75.11 kg
● after end of life	0.18 kg
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial

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Approvals / Certificates

General Product Approval

EG-Konf.	Declaration of Conformity	UKCA	CCC	UL	RCM

EMV	For use in hazardous locations				Marine / Shipping
KC	ATEX	IECEx	FM	CCC-Ex	ABS

Marine / Shipping					Environment
BUREAU VERITAS	DNV	LRS	NK / Nippon Kaiji Kyokai	RINA	Confirmation

Environment

EPD

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