SIEMENS

Data sheet 6GK7242-5DX30-0XE0

product type designation	**CM 1242-5**
	communications module CM 1242-5; for connection of SIMATIC S7-1200 to PROFIBUS as DP slave module.



Technical Product Detail Page	https://i.siemens.com/1P6GK7242-5DX30-0XE0
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	0
type of electrical connection	
● at the 1st interface / according to PROFIBUS	9-pin Sub-D socket (RS485)
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage / 1 / from backplane bus	5 V
consumed current	
● from backplane bus / at DC / at 5 V / typical	0.15 A
power loss [W]	0.75 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	0.115 kg
fastening method	
● 35 mm DIN-rail mounting	Yes
● S7-300 rail mounting	No
● wall mounting	Yes
product features, product functions, product components / general	

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number of units	
● per CPU / maximum	3
performance data / PROFIBUS DP	
service / as DP device	
● DPV0	Yes
● DPV1	Yes
data volume	
● of the address range of the inputs / as DP device / total	240 byte
● of the address range of the outputs / as DP device / total	240 byte
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	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 website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● 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://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,

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Approvals / Certificates

General Product Approval

CE EG-Konf. | Declaration of Conformity | UKCA | CCC | EAC | China RoHS

General Product Approval		EMV	For use in hazardous locations		
UL	RCM	KC	ATEX	IECEx	FM

For use in hazardous locations	Maritime application				
CCC-Ex	ABS	BUREAU VERITAS	DNV	LRS	NK / Nippon Kaiji Kyokai

Maritime application	Environment
RINA	EPD

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