SIEMENS

Data sheet 6AG1242-5DX30-2XE0

product type designation	**CM 1242-5**
	SIPLUS S7-1200 CM 1242-5 based on 6GK7242-5DX30-0XE0 with conformal coating, -25…+55 °C, communications module CM 1242-5, for connecting S7-1200 to PROFIBUS as DP slave module



Figure similar

product brand name	SIPLUS
Technical Product Detail Page	https://www.siemes.plc.com/?s=6AG1242-5DX30-2XE0
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	-25 ... +45 °C
● for horizontally arranged busbars / during operation	-25 ... +55 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +70 °C
installation altitude / at height above sea level / maximum	5000 m
ambient condition / relating to ambient temperature - air pressure - installation altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
relative humidity	
● with condensation / according to IEC 60068-2-38 / maximum	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
resistance to biologically active substances	
● conformity according to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request
● conformity according to EN 60721-3-6	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	

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● conformity according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation.
● conformity according to EN 60721-3-6	Yes
resistance to mechanically active substances	
● conformity according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
● conformity according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
coating / for equipped printed circuit board / according to EN 61086	Yes; Class 2 for high availability
type of coating / protection against pollution according to EN 60664-3	Yes; Protection of the type 1
type of test / of the coating / according to MIL-I-46058C	Yes; Coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal coating, class A
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	
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
performance data / telecontrol	
protocol / is supported	
● TCP/IP	No
product functions / management, configuration, engineering	
configuration software	
● required	STEP 7 Basic V11.0 or higher
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://www.siemens.plc.com/?s=6AG1242-5DX30-2XE0
● to web page: selection aid TIA Selection Tool	https://www.siemens.plc.com/?s=6AG1242-5DX30-2XE0
● to website: Industrial communication	https://www.siemens.plc.com/?s=6AG1242-5DX30-2XE0
● to web page: SiePortal	https://www.siemens.plc.com/?s=6AG1242-5DX30-2XE0
● to website: Image database	https://www.siemens.plc.com/?s=6AG1242-5DX30-2XE0
● to website: CAx-Download-Manager	
● to website: Industry Online Support	https://www.siemens.plc.com/?s=6AG1242-5DX30-2XE0
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

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Approvals / Certificates

General Product Approval



Manufacturer Declaration



China RoHS





General Product Approval	EMV	For use in hazardous locations

China RoHS







CCC-Ex



For use in hazardous locations	Maritime application



IECEx



DNV

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