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

Figure similar

transfer 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	0
type of electrical connection	
• at the 1st interface / acc. 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

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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 / acc. 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 acc. to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request
• conformity acc. to EN 60721-3-6	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	
• conformity acc. 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 acc. to EN 60721-3-6	Yes
resistance to mechanically active substances	
• conformity acc. 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 acc. 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 / acc. 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 / acc. 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 acc. 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

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height	100 mm
depth	75 mm
net weight	0.115 kg
mounting type	
• 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 slave	
• DPV0	Yes
• DPV1	Yes
amount of data	
• of the address area of the inputs / as DP slave / 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

further information / internet-Links

Internet-Link	
• to website: Selector TIA Selection Tool	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	http://www.siemens.com/industrial-controls/mall
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	http://support.automation.siemens.com

security information

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security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a comprehensive industrial security concept. Siemens products and solutions undergo continuous development with this factor in mind. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Products used from other manufacturers should also be taken into account here. You can find more information on Industrial Security at http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for our product-specific newsletter. You can find more information on this at http://support.automation.siemens.com. Version 3.4 14.11.2013- Siemens AG, I IA L CG, Nuremberg
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