SIEMENS

Data sheet   6AG1242-5DX30-2XE0

Product type designation	**SIPLUS S7-1200 CM 1242-5**
	SIPLUS S7-1200 CM 1242-5; -25 ... +55 DEGREES C WITH CONFORMAL COATING BASED ON 6GK7242-5DX30-0XE0 . COMMUNICATION MODULE CM 1242-5, TO THE CONNECTION OFF S7-1200 TO PROFIBUS AS A DP SLAVE ASSEMBLY

Figure similar

Transmission 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

Permitted ambient conditions

Ambient temperature	
• during operation	-25 ... +55 °C
• 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
Ambient condition / relating to ambient temperature - air pressure - installation altitude	-25 ... +55°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // -25 ... +45°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // -25 ... +35°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity / with condensation / maximum	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Resistance to biologically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to chemically active substances / conformity acc. to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3). The supplied plug covers must remain in place over the unused interfaces during operation!
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!
Protection class IP	IP20

Design, dimensions and weight

Module format	Compact module S7-1200 single width
Width	30 mm
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 properties, functions, 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
Configuration software	
• required	STEP 7 Basic V11.0 or higher

Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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

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