SIEMENS

Data sheet	6AG1243-1JX30-7XE0

Product type designation

SIPLUS S7-1200 CP 1243-1
SIPLUS S7-1200 CP 1243-1 -40 ... +70 DEGREES C WITH
CONFORMAL COATING BASED ON 6GK7243-1JX30-0XE0 .
COMMUNICATION MODULE CP 1243-1 DNP3 TO THE
CONNECTION FROM S7-1200 TO CONTROL CENTRE WITH
DNP3 PROTOCOL

Figure similar

Transmission rate	
Transfer rate	
● for GPRS transmission	
— with downlink / maximum	86 kbit/s
— with uplink / maximum	43 kbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	1
Number of electrical connections	
● at the 1st interface / acc. to Industrial Ethernet	1
● for power supply	0
Type of electrical connection	
● at the 1st interface / acc. to Industrial Ethernet	RJ45 port
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 %

Permitted ambient conditions

Ambient temperature	
• for vertical installation / during operation	-20 ... +60 °C
• for horizontally arranged busbars / during operation	-20 ... +70 °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	0.122 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 / open communication

Number of possible connections / for open communication	
• by means of T blocks / maximum	like CPU

Performance data / S7 communication	
Number of possible connections / for S7 communication	
● Note	like CPU

Performance data / telecontrol	
Suitability for use	
● Node station	No
● substation	Yes
● TIM control center	No
Control center connection	control center with DNP3 function
● by means of a permanent connection	supported
● Note	Connection to SCADA system using DNP3 services
Protocol / is supported	
● DNP3	Yes
● IEC 60870-5	No
Product function / data buffering if connection is aborted	Yes; 64,000 values
Number of data points per station / maximum	200

Performance data / Teleservice	
Diagnostics function / online diagnostics with SIMATIC STEP 7	Yes
Product function	
● program download with SIMATIC STEP 7	Yes
● Remote firmware update	Yes
Configuration software	
● required	STEP 7 Basic/Professional V12 SP1 (TIA Portal) or higher

Product functions / Time	
Protocol / is supported	
● NTP	No

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

Security information	

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 holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. 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. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)
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