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Data sheet 6GK7243-1JX30-0XE0

product type designation	**CP 1243-1 DNP3**
	- - spare part - - communications processor CP 1243-1 DNP3 for connection of SIMATIC S7-1200 to control center with DNP3 protocol.

transfer rate	
transfer rate	
● at the 1st interface	10 ... 100 Mbit/s
interfaces	
number of interfaces / according to Industrial Ethernet	1
number of electrical connections	
● at the 1st interface / according to Industrial Ethernet	1
● for power supply	0
type of electrical connection	
● at the 1st interface / according to Industrial Ethernet	RJ45 port
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	0.25 A
power loss [W]	1.25 W
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
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	110 mm
depth	75 mm
net weight	0.122 kg
fastening method	
● 35 mm top hat DIN rail mounting	Yes
● wall mounting	Yes
product features, product functions, product components / general	
number of units	
● per CPU / maximum	3
performance data / S7 communication	

number of possible connections / for S7 communication	
● maximum	like CPU
performance data / IT functions	
number of possible connections	
● as email client / maximum	1
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
product functions / management, configuration, engineering	
configuration software	
● required	STEP 7 Basic/Professional
product functions / time	
protocol / is supported	
● NTP	No
time synchronization	
● from control center	Yes
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● 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, 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 necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)
Approvals / Certificates	
General Product Approval	

Declaration of Conformity

For use in hazardous locations			Marine / Shipping		Environment
IECEx	ATEX	FM	DNV	LRS	Confirmation

last modified: 12/8/2024