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Data sheet

6GK7243-1EX01-0XE0

product type designation	**CP 243-1**

********** spare part ********** communications processor CP 243-1 for connection of SIMATIC S7-22X to Industrial Ethernet; FTP client communication; HTTP server; FTP server; Email client.

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	1
type of electrical connection	
● at the 1st interface / according to Industrial Ethernet	RJ45 port
type of electrical connection	
● for power supply	3-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage / 1 / from backplane bus	5 V
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	15 %
consumed current	
● from backplane bus / at DC / at 5 V / typical	0.06 A
● from external supply voltage / at DC / at 24 V / typical	0.053 A
● from external supply voltage / at DC / at 24 V / maximum	0.06 A
power loss [W]	1.5 W
ambient conditions	
ambient temperature	
● for vertical installation / during operation	0 ... 45 °C
● for horizontally arranged busbars / during operation	0 ... 55 °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 S7-200 double width
width	71.2 mm
height	80 mm
depth	62 mm

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net weight	0.15 kg
product features, product functions, product components / general	
number of units	
● per CPU / maximum	1
● note	-
performance data / S7 communication	
number of possible connections / for S7 communication	
● maximum	8
● with PG connections / maximum	1
● with PG/OP connections / maximum	8
performance data / IT functions	
number of possible connections	
● as client / by means of FTP / maximum	1
number of possible connections	
● as server / by means of HTTP / maximum	4
● as email client / maximum	1
number of emails with 1024 characters / of email client / maximum	32
number of access authorizations / of access protection	8
storage capacity / of the user memory	
● as flash memory file system	8 Mibyte
number of possible write cycles / of the flash memory cells	100000
performance data / telecontrol	
protocol / is supported	
● TCP/IP	Yes
product functions / management, configuration, engineering	
product function / MIB support	No
protocol / is supported	
● SNMP v1	No
configuration software	
● required	STEP 7-Micro/WIN Version V4.0 SP8 or higher
product functions / diagnostics	
product function / web-based diagnostics	Yes
product functions / switch	
product feature / switch	No
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://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 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	

| CE | Declaration of Conformity | UKCA | CCC | EAC | UL |

General Product Approval	EMV	For use in hazardous locations			
RCM	KC	IECEx	ATEX	FM	CCC-Ex

Marine / Shipping				Environment
DNV	GL	LRS	PRS	Confirmation

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