

product type designation



CP 1243-1

CP 1243-1 - communications processor for expanding the SIMATIC S7-1200 G2 communication functions: network separation telecontrol protocols DNP3 available soon: telecontrol protocol IEC 60870 and Telecontrol Basic Security (firewall, VPN) CloudConnect (MQTT)

product brand name

SIMATIC NET

Technical Product Detail Page

<https://l.siemens.com/1P6GK7243-1BX50-0XE0>

transfer rate

transfer rate

- at the 1st interface 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

supply voltage, current consumption, power loss

type of voltage / of the supply voltage

DC

supply voltage / external / at DC / rated value

24 V

supply voltage / external / at DC / rated value

19.2 ... 28.8 V

consumed current

- from external supply voltage / at DC / at 24 V / typical 0.1 A

power loss [W]

2.5 W

ambient conditions

ambient temperature

- for vertical installation / during operation -20 ... +60 °C
- for horizontally arranged busbars / during operation -20 ... +70 °C

relative humidity

- at 25 °C / without condensation / during operation / maximum 95 %

protection class IP

IP20

design, dimensions and weights

width

30 mm

height

134 mm

depth

100 mm

net weight

0.18 kg

fastening method

- 35 mm DIN-rail mounting Yes
- wall mounting Yes

product features, product functions, product 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	40
performance data / S7 communication	
number of possible connections / for S7 communication	
• maximum	40
performance data / IT functions	
number of possible connections	
• as email client / maximum	1
performance data / telecontrol	
suitability for use	
• substation	Yes
protocol / is supported	
• DNP3	Yes
product function / data buffering if connection is aborted	Yes
number of data points per device / maximum	500
product functions / management, configuration, engineering	
protocol / is supported	
• SNMP v1	Yes
• SNMP v3	Yes
• DCP	Yes
• LLDP	Yes
product function / is supported / identification link	Yes
product functions / diagnostics	
product function / web-based diagnostics	Yes; via S7-1200 G2 CPU
product functions / time	
protocol / is supported	
• NTP	Yes
time synchronization	
• from NTP-server	Yes
• from control center	Yes
standards, specifications, approvals	
certificate of suitability / CE marking	Yes
certificate of suitability / RoHS conformity	Yes
Approvals / Certificates	
General Product Approval	Environment



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