

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
- for power supply

1

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
- for horizontally arranged busbars / during operation
- during storage
- during transport

-20 ... +60 °C

-20 ... +70 °C

-40 ... +70 °C

-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
- wall mounting

Yes

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
- substation
- TIM control center

No

Yes

No

control center connection

control center with DNP3 function

<ul style="list-style-type: none"> • by means of a permanent connection • note 	supported
protocol / is supported	Connection to SCADA system using DNP3 services
<ul style="list-style-type: none"> • DNP3 • IEC 60870-5 	Yes 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	
<ul style="list-style-type: none"> • program download with SIMATIC STEP 7 • remote firmware update 	Yes Yes
product functions / management, configuration, engineering	
configuration software	
<ul style="list-style-type: none"> • required 	STEP 7 Basic/Professional
product functions / time	
protocol / is supported	
<ul style="list-style-type: none"> • NTP 	No
time synchronization	
<ul style="list-style-type: none"> • from control center 	Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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