

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	
<ul style="list-style-type: none"> at the 1st interface 	10 ... 100 Mbit/s
interfaces	
number of interfaces / acc. to Industrial Ethernet	1
number of electrical connections	
<ul style="list-style-type: none"> at the 1st interface / acc. to Industrial Ethernet for power supply 	1 0
type of electrical connection	
<ul style="list-style-type: none"> 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 / 1 / from backplane bus	5 V
consumed current	
<ul style="list-style-type: none"> from backplane bus / at DC / at 5 V / typical 	0.25 A
power loss [W]	1.25 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 35 mm top hat DIN rail mounting wall mounting 	Yes Yes
product features, product functions, product components / general	
number of units	
<ul style="list-style-type: none"> per CPU / maximum 	3

performance data / S7 communication	
number of possible connections / for S7 communication <ul style="list-style-type: none"> • maximum 	like CPU
performance data / IT functions	
number of possible connections <ul style="list-style-type: none"> • as email client / maximum 	1
performance data / telecontrol	
suitability for use <ul style="list-style-type: none"> • node station • substation • TIM control center 	No Yes No
control center connection <ul style="list-style-type: none"> • by means of a permanent connection • note 	control center with DNP3 function supported Connection to SCADA system using DNP3 services
protocol / is supported <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
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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