

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	
<ul style="list-style-type: none"> at the 1st interface 	10 ... 100 Mbit/s

interfaces

number of interfaces / according to Industrial Ethernet	1
number of electrical connections	
<ul style="list-style-type: none"> at the 1st interface / according to Industrial Ethernet 	1
<ul style="list-style-type: none"> for power supply 	1
type of electrical connection	
<ul style="list-style-type: none"> at the 1st interface / according to Industrial Ethernet 	RJ45 port
type of electrical connection	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> from backplane bus / at DC / at 5 V / typical 	0.06 A
<ul style="list-style-type: none"> from external supply voltage / at DC / at 24 V / typical 	0.053 A
<ul style="list-style-type: none"> from external supply voltage / at DC / at 24 V / maximum 	0.06 A
power loss [W]	1.5 W

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> for vertical installation / during operation 	0 ... 45 °C
<ul style="list-style-type: none"> for horizontally arranged busbars / during operation 	0 ... 55 °C
<ul style="list-style-type: none"> during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> during transport 	-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 S7-200 double width
width	71.2 mm
height	80 mm

depth	62 mm
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
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://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 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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