SIEMENS

Product data sheet

6GK7243-1EX01-0XE0



CP 243-1

COMMUNICATIONSPROCESSOR CP243-1 FOR CONNECTING OF SIMATIC S7-22X TO INDUSTRIAL ETHERNET; FTP CLIENT COMMUNICATION; HTTP SERVER; FTP SERVER; E-MAIL CLIENT

Transmission rate	
Transfer rate	
• at the 1st interface	10 100 Mbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	1
at the 1st interface / acc. to Industrial Ethernet	1
• for power supply	1
Design of the electrical connection	
• at the 1st interface / acc. to Industrial Ethernet	RJ45 port
• 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
Relative positive tolerance / for DC / at 24 V	20 %
Relative negative tolerance / for DC / at 24 V	15 %
Consumed current	
• from backplane bus / for DC / at 5 V / typical	0.06 A
from external supply voltage / for DC / at 24 V	
• typical	0.053 A

Active power loss15 WPermitted analization / during operation1	• maximum	0.06 A
Ambient temperature 0 • for vortical installation / during operation 0 45 °C • during storage 40 47 °C • during storage 40 47 °C • during storage 40 47 °C • during storage 98 % • during storage 100 47 °C Relative humidity / at 25 °C / without condensation / during operation 192 Protection class IP IP20 Design, dimensions and weight 12 zm Model format 0 mm 400 Virdith 12 zm Norther 10 so tooble width Virdith 10 so tooble width Number of units 1 • per CPU / maximum 1 • per CPU / maximum 1 • with PG connections / for 57 communication I • madmum 8 • with PG connections / maximum 1 • so tiend / by means of FTP / maximum 1 • so tiend / by means of FTP / maximum 2 • so tiend / maximum 2 • so tiend	Active power loss	1.5 W
• for vertical installation / during operation045 °C• for horizontally arranged busbars / during operation-055 °C• during storage-00470 °C• during transport8%Pathese humidify at 25 °C / without condensation / during operation8%Pathese humidify at 25 °C / without condensation / during operation8%Pathese humidify at 25 °C / without condensation / during operation8%Pathese humidify at 25 °C / without condensation / during operation8%Pathese humidify at 25 °C / without condensation / during operation8%Pathese humidify at 25 °C / without condensation / during operation8%Pathese humidify at 25 °C / without condensation / during operation80Pathese humidify at 25 °C / without condensation60Pathese humidified for patheter60Patheter hum	Permitted ambient conditions	
for horizontally arranged busbase/ during operation055 °Cduring toraspe40470 °Ceduring torasport-00470 °CRelative humidity / at 25 °C without condensation / during operation9%Protection class IP1920Design, dimensions and weightProtection class IPCompact module S7-200 double withWidth012 runnHeight80 runnDepth60 runnDepth80 runnDepth80 runnProtection duss IP01 stgProtection duss IP01 stgDuring for durits1• per CPU / maximum8• Note-• Number of possible connections / for S7 communication-• with PG connections / maximum8• se clent / by means of FTP / maximum1• se server-• se server1• server<	Ambient temperature	
during storage40 470 °Cduring storage40 470 °Celuting transport55 %Relative humidhly at 25 °C / without condensation / during operation55 %Protection class IPI20Desting, climensions and weight12 mmModule formatCompact module S7-200 double widthVidth112 mmHeight00 mmDepth015 k0Depth015 k0Protection class IP15 k0Vidth11 k0Number of units9• per CPU / maximum1• horiz9• horiz1• horiz1• horiz8• per CPU / maximum1• horiz8• horiz8• horiz8• with PG connections / for S7 communication1• with PG connections / maximum1• with PG connections / maximum1• with PG connections / maximum1• with PG ope connections / maximum1• with PG ope connections / maximum1• with PG ope connections / maximum1• second fill functions1• second fill functions1• second fill functions / dacces protection1• second fill fill maximum2• second fill fill maximum <td< td=""><td> for vertical installation / during operation </td><td>0 45 °C</td></td<>	 for vertical installation / during operation 	0 45 °C
during transport40 *70 °CRelative humidity / at 25 °C / without condensation / during operation / maximum55 %Protection class IPje20Design, dimensions and weightCompact module S7-200 double widthModule formatCompact module S7-200 double widthWidth1.2 nmHeight80 nmDepth0.15 kgProtections, functions, components / generalNumber of units1• per CPU / maximum1• hole-Number of units-• per CPU / maximum1• Note-• note of possible connections / for S7 communication-• with PGO connections / maximum1• with PGO connections / maximum1• with PGO connections / maximum1• se enrel (by means of FIP / maximum1• se server-• by means of HTTP / maximum2• by means of HTTP / maximum2• se enrel (bet / maximum3•	 for horizontally arranged busbars / during operation 	0 55 °C
Relative human 95% Protection class IP 920 Design dimensions and weight 520 Design dimensions and weight 60mpact module S7:200 double width Module format 60mpact module S7:200 double width Height 12 nm Height 80 nm Depth 62 nm Net weight 115 kg Product properties, functions, components / general 1 Number of units 1 • per CPU / maximum 1 • Note 9 Profusce dat / S7 communication 1 • with PG connections / for S7 communication 1 • with PG connections / maximum 8 • with PG connections / maximum 8 • with PG connections / maximum 1 • set on a CFTP / maximum 1	during storage	-40 +70 °C
/ maximum/ maximumProtection class IPIP20Design, dimensions and weightCompact module S7-200 double widthWidth01.2 mmWidth01.2 mmHeight00 mmDepth02 mmNet weight015 kgProduct properties, functions, components / general	during transport	-40 +70 °C
Design, dimensions and weight Module format Compact module S7-200 double width Width 71.2 mm Height 80 mm Depth 62 mm Net weight 0.15 kg Product properties, functions, components / general . Number of units 1 • per CPU / maximum 1 • Note - Performance data / S7 communication . • maximum 8 • with PG connections / for S7 communication . • maximum 8 • with PG connections / maximum 8 • with PG connections / maximum 1 • with PG connections / maximum 8 • with PG onenections / maximum 1 • with PG connections / maximum 1 • as client / by means of FTP / maximum 1 • as enail client / maximum 1 • as enail client / maximum 1 • as enail client / maximum 32 • as enail client / maximum 32 • unber of enaiss with 1024 characters / of email client / maximu 32		95 %
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Product properties, functions, components / general Number of units	Depth	62 mm
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	Product properties, functions, components / general	
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Performance data / telecontrol Protocol / is supported	as flash memory file system	8 Mibyte
Protocol / is supported	Number of possible write cycles / of the flash memory cells	100000
	Performance data / telecontrol	
• TCP/IP Yes	Protocol / is supported	
	• TCP/IP	Yes

Product functions / management, configuration	
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 / Diagnosis	
Product function / Web-based diagnostics	Yes
Product functions / switch	
Product feature / Switch	No
Further Information / Internet Links	
Internet-Link	
to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Industrial communication	http://www.siemens.com/simatic-net
to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
to website: Image database	http://automation.siemens.com/bilddb
to website: CAx Download Manager	http://www.siemens.com/cax
to website: Industry Online Support	http://support.automation.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. 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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