SIEMENS

Data sheet

Product type designation

6GK7243-1EX01-0XE0

CP 243-1

Communications processor CP 243-1 for connection 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
Number of electrical connections	
• at the 1st interface / acc. to Industrial Ethernet	1
• for power supply	1
Type of 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
Supply voltage / external / at DC / Rated value	24 V
Relative positive tolerance / at DC / at 24 V	20 %

Consumed durrent from backplane bus / at DC / at 5 V / typical from external supply voltage / at DC / at 24 V / power loss [W] from external supply voltage / at DC / at 24 V / power loss [W] from external supply voltage / at DC / at 24 V / power loss [W] from external supply voltage / at DC / at 24 V / power loss [W] from external supply voltage / at DC / at 24 V / power loss [W] from external supply voltage / at DC / at 24 V / power loss [W] from vortical installation / during operation our 45 °C our vortical installation / during operation during storage from + 40 +70 °C during transport from + 40 +70 °C during transport from external supply voltage / at 0 +70 °C during transport from + 40 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0 +70 °C from external supply voltage / at 0	Relative negative tolerance / at DC / at 24 V	15 %
• from backplane bus / at DC / at 5 V / typical 0.06 Å • from external supply voltage / at DC / at 24 V / typical 0.053 Å • from external supply voltage / at DC / at 24 V / maximum 0.06 Å Power loss [M] 1.5 W Ambient temperature • for vertical installation / during operation • for torizontally arranged busbars / during operation • during storage • during transport • at 25 °C / without condensation / during operation / maximum Protection class IP Protexion due S7-200 double width 71.2 mm Height 80 mm Compact module S7-200 double width Vidth 71.2 mm Height 0.15 kg Protexion class IP Vumber of units • per CPU / maximum 1 Number of units • per CPU / maximum 1 Note - Performance data / S7 communication vith PG connections / for S7 communication • maximum with PG connections / maximum 1 with PG/OP connections / maximum 1 with PG/OP connections / maximu	_	
from external supply voltage / at DC / at 24 V / typical form external supply voltage / at DC / at 24 V / maximum for wer toss [W] 1.5 W Ambient temperature for vertical installation / during operation for horizontally arranged busbars / during operation during storage during transport during transport during transport during voltage / at DC / at 24 V / 0.06 A 45 °C 0 45 °C 0 55 °C 0 55 °C 0 55 °C 0 55 °C 0 470 °C during transport 40 470 °C Relative humidity • at 25 °C / without condensation / during operation / maximum Protection class IP IP20 Design, dimensions and weight Module format Compact module S7-200 double width Width 71.2 mm Height 0.15 kg Product properties, functions, components / general Number of units oper CPU / maximum 1 Number of possible connections / for S7 communication maximum with PG connections / maximum 8 with PG connections / maximum 1 with PG connections / maximum 1		0.06 A
typical 0.06 A maximum 1.5 W Ambient temperature 0		0.053 A
maximum Instrume of provide a relation in the product of the prod		
Ambient temperature for vertical installation / during operation for horizontally arranged busbars / during operation during storage during storage during transport during transport		0.06 A
• for vertical installation / during operation 045 °C • for horizontally arranged busbars / during operation 055 °C • during storage -40 +70 °C • during transport -40 +70 °C Relative humidity -40 +70 °C • at 25 °C / withbout condensation / during operation / maximum 95 % Protection class IP IP20 Design, dimensions and weight Compact module S7-200 double width 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 - • per CPU / maximum 1 • Note - Performance data / S7 communication 8 • with PG connections / for S7 communication 8 • with PG connections / maximum 8 • with PG connections / maximum 8	Power loss [W]	1.5 W
• for horizontally arranged busbars / during operation 0 55 °C • during storage -40 +70 °C • during transport -40 +70 °C • during transport -40 +70 °C Relative humidity -40 +70 °C • at 25 °C / without condensation / during operation / maximum 95 % Protection class IP IP20 Design, dimensions and weight 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 Image: State of S7 Number of units - • per CPU / maximum 1 • Note - Performance data / S7 communication 8 • with PG connections / for S7 - communication 8 • with PG connections / maximum 1	Ambient temperature	
operation -40 +70 °C • during storage -40 +70 °C • during transport -40 +70 °C Relative humidity -40 +70 °C • at 25 °C / without condensation / during operation / maximum 95 % Protection class IP IP20 Design, dimensions and weight IP20 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 - • per CPU / maximum 1 • Note - Performance data / S7 communication 8 • with PG connections / for S7 communication 8 • with PG connections / maximum 8	 for vertical installation / during operation 	0 45 °C
• during transport -40 +70 °C • during transport -40 +70 °C Relative humidity 95 % • at 25 °C / without condensation / during operation / maximum 95 % Protection class IP IP20 Design, dimensions and weight 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 - • 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		0 55 °C
Relative humidity 95 % • at 25 °C / without condensation / during operation / maximum 95 % Protection class IP IP20 Design, dimensions and weight Compact module \$7-200 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 - • per CPU / maximum 1 • Note - Performance data / S7 communication 8 • with PG connections / maximum 1 • with PG/OP connections / maximum 8	 during storage 	-40 +70 °C
• at 25 °C / without condensation / during operation / maximum 95 % Protection class IP IP20 Design, dimensions and weight Compact module S7-200 double width 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 8 • maximum 8 • with PG connections / maximum 1 • with PG/OP connections / maximum 1 • with PG/OP connections / maximum 8	 during transport 	-40 +70 °C
operation / maximum IP20 Protection class IP IP20 Design, dimensions and weight Compact module S7-200 double width 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 8 • maximum 8 • with PG connections / maximum 1 • with PG/OP connections / maximum 8	Relative humidity	
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 - • per CPU / maximum 1 • Note - Performance data / S7 communication • maximum 8 • with PG connections / maximum 1 • with PG/OP connections / maximum 8	-	95 %
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 • per CPU / maximum • 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	Protection class IP	IP20
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 • per CPU / maximum • 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	Design dimensions and weight	
Height 80 mm Depth 62 mm Net weight 0.15 kg Product properties, functions, components / general Image: stress of the		Compact module S7-200 double width
Depth 62 mm Net weight 0.15 kg Product properties, functions, components / general Image: CPU / maximum Number of units 1 • per CPU / maximum 1 • Note - Performance data / S7 communication - Number of possible connections / for S7 communication 8 • with PG connections / maximum 1 • with PG connections / maximum 8	Width	71.2 mm
Net weight 0.15 kg Product properties, functions, components / general Number of units • per CPU / maximum • Note Performance data / S7 communication Number of possible connections / for S7 communication • maximum • with PG connections / maximum • with PG connections / maximum • with PG/OP connections / maximum	Height	80 mm
Product properties, functions, components / general Number of units 1 • per CPU / maximum 1 • Note - Performance data / S7 communication - Number of possible connections / for S7 communication 8 • maximum 8 • with PG connections / maximum 1 • with PG/OP connections / maximum 8	Depth	62 mm
Number of units 1 • 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	Net weight	0.15 kg
Number of units 1 • 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	Product properties, functions, components / genera	I
Note - Performance data / S7 communication Number of possible connections / for S7 communication maximum e maximum with PG connections / maximum with PG/OP connections / maximum 8		
Performance data / S7 communication Number of possible connections / for S7 communication • maximum 8 • with PG connections / maximum 1 • with PG/OP connections / maximum 8	• per CPU / maximum	1
Number of possible connections / for S7 communication • maximum • with PG connections / maximum • with PG/OP connections / maximum 8	Note	-
Number of possible connections / for S7 communication • maximum • with PG connections / maximum • with PG/OP connections / maximum 8	Performance data / S7 communication	
• maximum 8 • with PG connections / maximum 1 • with PG/OP connections / maximum 8		
with PG/OP connections / maximum with PG/OP connections / maximum 8	communication	
• with PG/OP connections / maximum 8	• maximum	8
	 with PG connections / maximum 	1
	 with PG/OP connections / maximum 	8
Performance data / IT functions	Performance data / IT functions	
Number of possible connections	Number of possible connections	
• as client / by means of FTP / maximum 1	 as client / by means of FTP / maximum 	1
Number of possible connections	Number of possible connections	
• as server / by means of HTTP / maximum 4	 as server / by means of HTTP / maximum 	4
• as e-mail client / maximum 1	• as e-mail client / maximum	1
Number of emails with 1024 characters / of email 32 client / maximum 32		32

Number of access authorizations / of access protection	
protocion	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	
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	
Further Information / Internet Links	
	http://www.siemens.com/snst
Internet-Link • to website: Selector SIMATIC NET	http://www.siemens.com/snst http://www.siemens.com/simatic-net
Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL	
Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication	http://www.siemens.com/simatic-net
Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center	http://www.siemens.com/simatic-net https://mall.industry.siemens.com
Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database	http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter
Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center	http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb

Security information

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