SIEMENS

Data sheet

6GK7342-5DA03-0XE0

product	type	designation



CP 342-5

Communications processor CP 342-5 for connection of SIMATIC S7-300 to PROFIBUS DP, S5-compatible, PG/OP and S7 communication.

transfer rate at the 1st Interface / according to PROFIBUS 9.6 kbit/s 12 Mbit/s interfaces number of interfaces / according to Industrial Ethemet number of electrical connections at the 1st Interface / according to PROFIBUS for power supply the st Interface / according to PROFIBUS interfaces at the 1st Interface / according to PROFIBUS interfaces at the 1st Interface / according to PROFIBUS interface / according to PROFIBUS supply voltage / according to PROFIBUS supply voltage / according to PROFIBUS supply voltage / 1 fmo backplane bus supply voltage / 1 fmo backplane bus supply voltage / 1 fmo backplane bus supply voltage / 4 them / at DC / rated value 24 V supply voltage / acternal at DC / at 24 V b % consumed current from backplane bus / at DC / at 24 V / typical arbitent temperature during operation arbitent temperature during storage arbitent temperature during storage arbitent temperature arbitent temoretat	transfer rate		
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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 0.15 A • from backplane bus / at DC / at 5 V / typical 0.15 A power loss [W] 0.25 A ambient conditions 6.75 W ambient conditions -40 +70 °C • during operation 0 60 °C • during transport -40 +70 °C • during transport -40 +70 °C • during transport -40 +70 °C relative humidity - • at 25 °C / without condensation / during operation / 95 % maximum IP20 design, dimensions and weights Compact module \$7-300 single width width 40 mm height 125 mm depth 120 mm net weight 0.3 kg	supply voltage / 1 / from backplane bus	5 V	
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• during transport -40 +70 °C relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP IP20 design, dimensions and weights IP20 module format Compact module \$7-300 single width width 40 mm height 125 mm depth 120 mm net weight 0.3 kg	during operation	0 60 °C	
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• at 25 °C / without condensation / during operation / maximum 95 % protection class IP IP20 design, dimensions and weights IP20 module format Compact module S7-300 single width width 40 mm height 125 mm depth 120 mm net weight 0.3 kg product features, product functions, product components / general	 during transport 	-40 +70 °C	
maximum IP20 protection class IP IP20 design, dimensions and weights Compact module S7-300 single width module format Compact module S7-300 single width width 40 mm height 125 mm depth 120 mm net weight 0.3 kg product features, product functions, product components / general	relative humidity		
design, dimensions and weights module format Compact module S7-300 single width width 40 mm height 125 mm depth 120 mm net weight 0.3 kg product features, product functions, product components / general		95 %	
module format Compact module S7-300 single width width 40 mm height 125 mm depth 120 mm net weight 0.3 kg product features, product functions, product components / general	protection class IP	IP20	
width 40 mm height 125 mm depth 120 mm net weight 0.3 kg product features, product functions, product components / general	design, dimensions and weights		
height 125 mm depth 120 mm net weight 0.3 kg product features, product functions, product components / general	module format	Compact module S7-300 single width	
depth 120 mm net weight 0.3 kg product features, product functions, product components / general	width	40 mm	
net weight 0.3 kg product features, product functions, product components / general	height	125 mm	
product features, product functions, product components / general	depth	120 mm	
	net weight	0.3 kg	
number of units	product features, product functions, product components / general		
	number of units		

• per CPU / maximum	4
performance data / open communication	
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	16
data volume	
 as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	240 byte
performance data / PROFIBUS DP	
service / as DP master	
• DPV0	Yes
number of DP slaves	
on DP master / operable	124
data volume	
 of the address range of the inputs / as DP master / total 	2160 byte
 of the address range of the outputs / as DP master / total 	2160 byte
 of the address range of the inputs / per DP slave 	244 byte
 of the address range of the outputs / per DP slave 	244 byte
of the address range of the diagnostic data / per DP slave	240 byte
service / as DP slave	
• DPV0	Yes
data volume	
 of the address range of the inputs / as DP slave / total of the address range of the sutputs / as DP slave / total 	240 byte
of the address range of the outputs / as DP slave / total	240 byte
performance data / S7 communication	
number of possible connections / for S7 communication maximum 	16
maximum performance data / multi-protocol mode	10
number of active connections / with multi-protocol mode without DP / maximum 	32
with DP / maximum	28
performance data / telecontrol	20
protocol / is supported	
• TCP/IP	No
product functions / management, configuration, engineering	
configuration software	
required	STEP 7 V5.1 SP2 or higher / STEP 7 Professional V12 (TIA Portal) or higher
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
• as marking	Ex nA IIC T4 Gc
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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