# **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	
Transfer rate	
• at the 1st interface / acc. to PROFIBUS	9.6 kbit/s 12 Mbit/s
Interferen	
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	0
Number of electrical connections	
• at the 1st interface / acc. to PROFIBUS	1
<ul><li>for power supply</li></ul>	1
Type of electrical connection	
• at the 1st interface / acc. to PROFIBUS	9-pin Sub-D socket (RS485)
<ul><li>for power supply</li></ul>	4-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				
• from backplane bus / at DC / at 5 V / typical	0.15 A			
<ul> <li>from external supply voltage / at DC / at 24 V / typical</li> </ul>	0.25 A			
Power loss [W]	6.75 W			
Ambient conditions				
Ambient temperature				
<ul><li>during operation</li></ul>	0 60 °C			
<ul><li>during storage</li></ul>	-40 +70 °C			
<ul> <li>during transport</li> </ul>	-40 +70 °C			
Relative humidity				
<ul> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %			
Protection class IP	IP20			
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 compo	nents / general			
Number of units	nents / general			
• per CPU / maximum	4			
Performance data / open communication				
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	16			
Amount of data				
<ul> <li>as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	240 byte			
Performance data / PROFIBUS DP				
Service / as DP master				
• DPV0	Yes			
Number of DP slaves				
• on DP master / usable	124			
Amount of data				
<ul> <li>of the address area of the inputs / as DP master / total</li> </ul>	2160 byte			
<ul> <li>of the address area of the outputs / as DP master / total</li> </ul>	2160 byte			

<ul> <li>of the address area of the inputs / per DP slave</li> </ul>	244 byte
<ul> <li>of the address area of the outputs / per DP slave</li> </ul>	244 byte
<ul> <li>of the address area of the diagnostic data / per DP slave</li> </ul>	240 byte
Service / as DP slave	
• DPV0	Yes
Amount of data	
<ul> <li>of the address area of the inputs / as DP slave / total</li> </ul>	240 byte
• of the address area of the outputs / as DP slave / total	240 byte
Performance data / S7 communication	
Number of possible connections / for S7	
communication	
• maximum	16
Performance data / multi-protocol mode	
Number of active connections / with multi-protocol	
mode	
<ul> <li>without DP / maximum</li> </ul>	32

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• with DP / maximum

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

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### Further information / Internet-Links

Internet-Link

• to website: Selector SIMATIC NET

SELECTION TOOL

http://www.siemens.com/snst

• to website: Industrial communication <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>

• to website: Industry Mall <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>

• to website: Information and Download Center <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>

• to website: Image database <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>

• to website: CAx Download Manager <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>

• to website: Industry Online Support

<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

#### 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. Thirdparty 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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