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6GK7342-5DA03-0XE0 (EAN: 4019169190886 / UPC: 040892922264)

Communication processor CP 342-5

Product details | Technical data | CAx data

Technical data



(https://www.automation.siemens.com/bilddb/index.aspx?objKey=G_IK10_XX_90364)

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 / according to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of interfaces / according to Industrial Ethernet	0
number of electrical connections	
● at the 1st interface / according to PROFIBUS	1
● for power supply	1
type of electrical connection	
● at the 1st interface / according to PROFIBUS	9-pin Sub-D socket (RS485)
● for power supply	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
● from external supply voltage / at DC / at 24 V / typical	0.25 A
power loss [W]	6.75 W
ambient conditions	
ambient temperature	
● during operation	0 ... 60 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +70 °C
relative humidity	
● at 25 °C / without condensation / during operation / maximum	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 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

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● of the address range of the diagnostics 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	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
performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	
● without DP / maximum	32
● with DP / maximum	28
performance data / telecontrol	
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; GB3836.1, GB3836.8
● 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 (http://www.siemens.com/tia-selection-tool)
● to website: Industrial communication	http://www.siemens.com/simatic-net (http://www.siemens.com/simatic-net)
● to website: Industry Mall	https://mall.industry.siemens.com (https://mall.industry.siemens.com)
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter (http://www.siemens.com/industry/infocenter)
● to website: Image database	http://automation.siemens.com/bilddb (http://automation.siemens.com/bilddb)
● to website: CAx-Download-Manager	http://www.siemens.com/cax (http://www.siemens.com/cax)
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security information	
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11/13/2023

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Technical data for the product is also available in the following languages:
- German
- French
- Italian
- Spanish
- Chinese
- Russian
- Portuguese
- Japanese

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