SIEMENS

Data sheet **6GK7343-5FA01-0XE0**

product type designation	CP 343-5
	Communications processor CP 343-5 for connection of SIMATIC S7-300 to PROFIBUS, FMS, S5-compatible, PG/OP and S7 communication, 12 Mbit/s, Single-width

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	24 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]	5 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
fastening method	

● S7-300 rail mounting	Yes

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 / FMS functions

number of possible connections / for FMS connection / maximum	16
data volume / of the variables	
● for READ job / maximum	237 byte
● for WRITE and REPORT job / maximum	233 byte
number of variables	
● configurable from server to FMS partner	256
● loadable from server to FMS partner	256

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	48

performance data / telecontrol

protocol / is supported	
● TCP/IP	No

product functions / management, configuration, engineering

configuration software	
● required	STEP 7 V5.1 SP3 or higher and NCM S7 for PROFIBUS

standards, specifications, approvals

reference code	
● according to IEC 81346-2:2019	KEC

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO_2 eq]	
● total	229.03 kg
● during manufacturing	17.48 kg
● during operation	211.2 kg
● after end of life	0.35 kg

further information / internet links

internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available

and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

CE EG-Konf.	Declaration of Conformity	UK CA	CCC	UL	RCM

For use in hazardous locations				Marine / Shipping	Environment
ATEX	IECEx	CCC-Ex	UL	PRS	Confirmation

Environment

EPD

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