

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 / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
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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