



COMMUNICATIONSPROCESSOR CP343-5 FOR CONNECTING SIMATIC S7-300 TO PROFIBUS, FMS, S5-COMPATIBLE PG/OP AND S7 COMMUNICATION 12 MBAUD, SINGLE-WIDTH

Transmission rate

Transfer rate	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of interfaces / acc. to Industrial Ethernet	0
Number of electrical connections	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	1
<ul style="list-style-type: none"> for power supply 	1
Type of electrical connection	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	9-pin Sub-D socket (RS485)
<ul style="list-style-type: none"> 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
Relative positive tolerance / for DC / at 24 V	20 %
Relative negative tolerance / for DC / at 24 V	15 %
Consumed current	
<ul style="list-style-type: none"> from backplane bus / for DC / at 5 V / typical 	0.15 A
<ul style="list-style-type: none"> from external supply voltage / for DC / at 24 V / typical 	0.25 A
Active power loss	5 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Module format	Compact module S7-300 single width
Width	40 mm
Height	125 mm
Depth	120 mm
Net weight	0.3 kg
Mounting type	
<ul style="list-style-type: none"> S7-300 rail mounting 	Yes

Product properties, functions, components / general

Number of units	
<ul style="list-style-type: none"> per CPU / maximum 	4

Performance data / open communication

Number of possible connections / for open communication / by means of SEND/RECEIVE blocks	
<ul style="list-style-type: none"> maximum 	16
Amount of data	
<ul style="list-style-type: none"> 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
Amount of data / of the variables	
<ul style="list-style-type: none"> for READ job / maximum for WRITE and REPORT job / maximum 	237 byte 233 byte
Number of variables	
<ul style="list-style-type: none"> Configurable from server to FMS partner Loadable from server to FMS partner 	256 256

Performance data / S7 communication

Number of possible connections / for S7 communication	
<ul style="list-style-type: none"> maximum 	16

Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode	48
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Performance data / telecontrol

Protocol / is supported	No
<ul style="list-style-type: none"> • TCP/IP 	

Product functions / management, configuration

Configuration software	STEP 7 V5.1 SP3 or higher and NCM S7 for PROFIBUS
<ul style="list-style-type: none"> • required 	

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

Security information

Security information	<p>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)</p>
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