

### 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	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to PROFIBUS</li> </ul>	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"> <li>at the 1st interface / acc. to PROFIBUS</li> </ul>	1
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	1
type of electrical connection	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to PROFIBUS</li> </ul>	9-pin Sub-D socket (RS485)
<ul style="list-style-type: none"> <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	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	
<ul style="list-style-type: none"> <li>from backplane bus / at DC / at 5 V / typical</li> </ul>	0.15 A
<ul style="list-style-type: none"> <li>from external supply voltage / at DC / at 24 V / typical</li> </ul>	0.25 A
power loss [W]	5 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	0 ... 60 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +70 °C
relative humidity	
<ul style="list-style-type: none"> <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
fastening method	Yes
<ul style="list-style-type: none"> <li>• S7-300 rail mounting</li> </ul>	
<b>product features, product functions, product components / general</b>	
number of units	4
<ul style="list-style-type: none"> <li>• per CPU / maximum</li> </ul>	
<b>performance data / open communication</b>	
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	16
data volume	240 byte
<ul style="list-style-type: none"> <li>• as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	
<b>performance data / FMS functions</b>	
number of possible connections / for FMS connection / maximum	16
data volume / of the variables	
<ul style="list-style-type: none"> <li>• for READ job / maximum</li> </ul>	237 byte
<ul style="list-style-type: none"> <li>• for WRITE and REPORT job / maximum</li> </ul>	233 byte
number of variables	
<ul style="list-style-type: none"> <li>• configurable from server to FMS partner</li> </ul>	256
<ul style="list-style-type: none"> <li>• loadable from server to FMS partner</li> </ul>	256
<b>performance data / S7 communication</b>	
number of possible connections / for S7 communication	16
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	
<b>performance data / multi-protocol mode</b>	
number of active connections / with multi-protocol mode	48
<b>performance data / telecontrol</b>	
protocol / is supported	No
<ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>	
<b>product functions / management, configuration, engineering</b>	
configuration software	STEP 7 V5.1 SP3 or higher and NCM S7 for PROFIBUS
<ul style="list-style-type: none"> <li>• required</li> </ul>	
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
<b>further information / internet-Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAx-Download-Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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 <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a> . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a> .

last modified:

1/24/2021 