

product type designation

**CP 343-5**



-- spare part -- communications processor CP 343-5 for connection of SIMATIC S7-300 to PROFIBUS, FMS, S5-compatible, PG/OP and S7 communication, 12 Mbps, single-mode operation.

product brand name	SIMATIC NET
Technical Product Detail Page	<a href="https://l.siemens.com/1P6GK7343-5FA01-0XE0">https://l.siemens.com/1P6GK7343-5FA01-0XE0</a>
<b>transfer rate</b>	
transfer rate	
<ul style="list-style-type: none"> <li>at the 1st interface / according to PROFIBUS</li> </ul>	9.6 kbit/s ... 12 Mbit/s
<b>interfaces</b>	
number of interfaces / according to Industrial Ethernet	0
number of electrical connections	
<ul style="list-style-type: none"> <li>at the 1st interface / according 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 / according 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
<b>supply voltage, current consumption, power loss</b>	
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
<b>ambient conditions</b>	
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
<b>design, dimensions and weights</b>	
module format	Compact module S7-300 single width
width	40 mm
height	125 mm

depth	120 mm
net weight	0.3 kg
fastening method	
<ul style="list-style-type: none"> <li>• S7-300 rail mounting</li> </ul>	Yes
<b>product features, product functions, product components / general</b>	
number of units	
<ul style="list-style-type: none"> <li>• per CPU / maximum</li> </ul>	4
<b>performance data / open communication</b>	
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	16
data volume	
<ul style="list-style-type: none"> <li>• as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	240 byte
<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	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	16
<b>performance data / multi-protocol mode</b>	
number of active connections / with multi-protocol mode	48
<b>performance data / telecontrol</b>	
protocol / is supported	
<ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>	No
<b>product functions / management, configuration, engineering</b>	
configuration software	
<ul style="list-style-type: none"> <li>• required</li> </ul>	STEP 7 V5.1 SP3 or higher and NCM S7 for PROFIBUS
<b>standards, specifications, approvals</b>	
certificate of suitability / CE marking	Yes
certificate of suitability / UKCA marking	Yes
certificate of suitability / Regulatory Compliance Mark (RCM)	Yes
certificate of suitability / RoHS conformity	Yes
certificate of suitability / EAC approval	Yes
<b>standards, specifications, approvals / hazardous environments / header</b>	
certificate of suitability / ATEX	Yes
certificate of suitability / IECEx	Yes
certificate of suitability / ULhazloc approval	Yes
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
<b>standards, specifications, approvals / marine classification / header</b>	
Marine classification association / Polski Rejestr Statkow (PRS)	Yes
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> <li>• total</li> </ul>	229.03 kg
<ul style="list-style-type: none"> <li>• during manufacturing</li> </ul>	17.48 kg
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	211.19999 kg
<ul style="list-style-type: none"> <li>• after end of life</li> </ul>	0.35 kg
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>

- to web page: SiePortal
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

- <https://sieportal.siemens.com/>
- <https://www.automation.siemens.com/bilddb>
- <https://siemens.com/cax>
- <https://support.industry.siemens.com>

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### Approvals / Certificates

#### General Product Approval



EG-Konf.

[Declaration of Conformity](#)



CCC



[China RoHS](#)

#### General Product Approval

For use in hazardous locations



UL



RCM

[China RoHS](#)



EG-Konf.



ATEX

#### For use in hazardous locations

#### Maritime application

#### Environment



IECEX

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UL



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last modified:

5/5/2026