

### Product type designation

### CP 443-5 Basic

Communications processor CP 443-5 Basic for connection of SIMATIC S7-400 to PROFIBUS FMS, S5-compatible, PG/OP and S7 communication



### Transmission rate

#### Transfer rate

- 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

- at the 1st interface / acc. to PROFIBUS 1

Type of electrical connection

- at the 1st interface / acc. to PROFIBUS 9-pin Sub-D socket (RS485)

### Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage DC

Supply voltage / 1 / from backplane bus 5 V

Supply voltage 5 V

Relative symmetrical tolerance / at DC

- at 5 V 5 %

Consumed current

- from backplane bus / at DC / at 5 V / typical 1 A

<ul style="list-style-type: none"> <li>• from external supply voltage / at DC / at 24 V / typical</li> </ul>	1.2 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 weight

Module format	Compact module S7-400 single width
Width	25 mm
Height	290 mm
Depth	210 mm
Net weight	0.65 kg

### Product properties, functions, components / general

Number of units	
<ul style="list-style-type: none"> <li>• per CPU / maximum</li> </ul>	14
<ul style="list-style-type: none"> <li>• Note</li> </ul>	depending on CPU type

### Performance data / open communication

Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	32
Amount of data	
<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

### Performance data / FMS functions

Number of possible connections / for FMS connection / maximum	48
Amount of data / 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 job / maximum</li> </ul>	233 byte
Number of variables	
<ul style="list-style-type: none"> <li>• Configurable from server to FMS partner</li> </ul>	512
<ul style="list-style-type: none"> <li>• Loadable from server to FMS partner</li> </ul>	2640

### Performance data / S7 communication

Number of possible connections / for S7 communication	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	48
<b>Performance data / multi-protocol mode</b>	
Number of possible connections / of which 2 reserved for PG/OP communication / with multi-protocol mode / maximum	59
<b>Product functions / management, configuration</b>	
Configuration software	
<ul style="list-style-type: none"> <li>• required</li> </ul>	STEP 7 V5.2 SP1 or higher and NCM S7 for PROFIBUS
<b>Further Information / Internet Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>  <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>  <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>  <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>  <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>  <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>  <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>Security information</b>	
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 <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>. (V3.4)</p>
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