

### product type designation



Figure similar

### CP 443-5 Extended

Communications processor CP 443-5 Extended for connection of SIMATIC S7-400 to PROFIBUS DP, S5-compatible, PG/OP and S7 communication conformal coating.

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
type of electrical connection	
• at the 1st interface / according 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
relative symmetrical tolerance / at DC	
• at 5 V	5 %
consumed current	
• from backplane bus / at DC / at 5 V / typical	0.6 A
power loss [W]	3 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 S7-400 single width
width	25 mm
height	290 mm
depth	210 mm
net weight	0.65 kg
product features, product functions, product components / general	
number of units	
• per CPU / maximum	14
• note	The number of CPs that can be operated as DP masters depends on the number of CP 443-1 Advanced processors operating in the S7-400 station as PROFINET IO controllers. Up to 10 CPs can be operated in total: up to 4 as PROFINET IO controllers (CP 443-1 Advanced); up to 10 as DP masters (CP

	443-5 Extended)
<b>performance data / open communication</b>	
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	32
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 / PROFIBUS DP</b>	
service / as DP master <ul style="list-style-type: none"> <li>• DPV1</li> </ul>	Yes
number of DP slaves <ul style="list-style-type: none"> <li>• on DP master / operable</li> </ul>	125
data volume <ul style="list-style-type: none"> <li>• of the address range of the inputs / as DP master / total</li> <li>• of the address range of the outputs / as DP master / total</li> <li>• of the address range of the inputs / per DP slave</li> <li>• of the address range of the outputs / per DP slave</li> </ul>	4096 byte 4096 byte 244 byte 244 byte
<b>performance data / S7 communication</b>	
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 active connections / with multi-protocol mode <ul style="list-style-type: none"> <li>• without DP / maximum</li> <li>• with DP / maximum</li> </ul>	59 54
<b>product functions / management, configuration, engineering</b>	
configuration software <ul style="list-style-type: none"> <li>• required</li> </ul>	STEP 7 V5.4 SP4 or higher / STEP 7 Professional V12 (TIA Portal) or higher
product function / is supported / identification link	Yes
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability / CCC / for hazardous zone according to GB standard <ul style="list-style-type: none"> <li>• as marking</li> </ul>	Yes Ex nA IIC T4 Gc
<b>further information / internet links</b>	
internet link <ul style="list-style-type: none"> <li>• to web page: selection aid TIA 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/tia-selection-tool">http://www.siemens.com/tia-selection-tool</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	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)

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