

product type designation

**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.



Figure similar

transfer rate	
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
interfaces	
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
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)
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	
<ul style="list-style-type: none"> <li>at 5 V</li> </ul>	5 %
consumed current	
<ul style="list-style-type: none"> <li>from backplane bus / at DC / at 5 V / typical</li> </ul>	0.6 A
power loss [W]	3 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	0 ... 60 °C -40 ... +70 °C -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 S7-400 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	
<ul style="list-style-type: none"> <li>per CPU / maximum</li> <li>note</li> </ul>	14  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)

**performance data / open communication**

number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum

32

data volume

- as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum

240 byte

**performance data / PROFIBUS DP**

service / as DP master

- DPV1

Yes

number of DP slaves

- on DP master / operable

125

data volume

- of the address range of the inputs / as DP master / total
- of the address range of the outputs / as DP master / total
- of the address range of the inputs / per DP slave
- of the address range of the outputs / per DP slave

4096 byte

4096 byte

244 byte

244 byte

**performance data / S7 communication**

number of possible connections / for S7 communication

- maximum

48

**performance data / multi-protocol mode**

number of active connections / with multi-protocol mode

- without DP / maximum
- with DP / maximum

59

54

**product functions / management, configuration, engineering**

configuration software

- required

STEP 7 V5.4 SP4 or higher / STEP 7 Professional V12 (TIA Portal) or higher

product function / is supported / identification link

Yes

**standards, specifications, approvals / hazardous environments**

certificate of suitability / CCC / for hazardous zone according to GB standard

Yes

- as marking

Ex nA IIC T4 Gc

**further information / internet links**

internet link

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/tia-selection-tool><http://www.siemens.com/simatic-net><https://mall.industry.siemens.com><http://www.siemens.com/industry/infocenter><http://automation.siemens.com/bilddb><http://www.siemens.com/cax><https://support.industry.siemens.com>**security information**

security information

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