



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

transfer rate	
transfer rate	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	1
type of electrical connection	
<ul style="list-style-type: none"> 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
relative symmetrical tolerance / at DC	
<ul style="list-style-type: none"> at 5 V 	5 %
consumed current	
<ul style="list-style-type: none"> from backplane bus / at DC / at 5 V / typical 	0.6 A
power loss [W]	3 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> per CPU / maximum note 	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	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> DPV1 	Yes
number of DP slaves	
<ul style="list-style-type: none"> on DP master / operable 	125
data volume	
<ul style="list-style-type: none"> of the address range of the inputs / as DP master / total 	4096 byte
<ul style="list-style-type: none"> of the address range of the outputs / as DP master / total 	4096 byte
<ul style="list-style-type: none"> of the address range of the inputs / per DP slave 	244 byte
<ul style="list-style-type: none"> of the address range of the outputs / per DP slave 	244 byte

performance data / S7 communication

number of possible connections / for S7 communication	
<ul style="list-style-type: none"> maximum 	48

performance data / multi-protocol mode

number of active connections / with multi-protocol mode	
<ul style="list-style-type: none"> without DP / maximum 	59
<ul style="list-style-type: none"> with DP / maximum 	54

product functions / management, configuration, engineering

configuration software	
<ul style="list-style-type: none"> required 	STEP 7 V5.4 SP4 or higher / STEP 7 Professional V12 (TIA Portal) or higher

standards, specifications, approvals / hazardous environments

certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
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further information / internet-Links

Internet-Link	
<ul style="list-style-type: none"> 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	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 http://www.siemens.com/industrialsecurity . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com . (V3.4)
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