SIEMENS

Product data sheet

Product-type designation

6GK7342-5DA02-0XE0

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510.			
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CP 342-5

COMMUNICATIONSPROCESSOR CP342-5 FOR CONNECTING SIMATIC S7-300 TO PROFIBUS, DP,

S5-COMPATIBLE PG/OP AND S7 COMMUNICATION

Transmission rate Framewission rate / at interface 1 / in accordance with PROFIBUS 9.6 kbit/s 12 Mbit/s Interfaces Interfaces Number of electrical connections / at interface 1 / in accordance with PROFIBUS 1 Number of electrical connections 1 effective of electrical connections 1 Design of electrical connection / at interface 1 / in accordance with PROFIBUS 9-pin Sub-D socket (RS485) Supply voltage, current consumption, power loss 1 Supply voltage / of supply voltage DC supply voltage 5 V • external 24 V Relative positive tolerance / at 24 V / with DC 20 % Relative negative tolerance / at 24 V / with DC 15 % Consumed current 0.15 A • from backplane bus / at 5 V / for DC / Typical 0.15 A • typical 0.25 A					
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• from external supply voltage / at 24 V / with DC	Consumed current				
	 from backplane bus / at 5 V / for DC / Typical 	0.15 A			
• typical 0.25 A	 from external supply voltage / at 24 V / with DC 				
••	• typical	0.25 A			

Resistive loss	5 W
Permitted ambient conditions	
Ambient temperature	
during operating	0 60 °C
during operating outring storage	-40 +70 °C
during storage during transport	-40 +70 °C
	95 %
Relative humidity / at 25 $^{\circ}\text{C}$ / without condensation / during operating / maximum	93 %
Protection class IP	IP20
Design, dimensions and weight	
Module format	Compact module S7-300 single width
Width	40 mm
Height	125 mm
Depth	120 mm
Net weight	0.3 kg
Product properties, functions, components / general	
Number of units	
• per CPU / maximum	4
Performance data	
Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	16
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 / DPV0	Yes
Number of DP slaves / on DP master / usable	124
Amount of data	
• of the address area of the inputs / as DP master / overall	2160 byte
• of the address area of the outputs / as DP master / overall	2160 byte
 of the address area of the inputs / per DP slave 	244 byte
• of the address area of the outputs / per DP slave	244 byte
• of the address area of the diagnostic data / per DP slave	240 byte
Service / as DP slave	
• DPV0	Yes
• DPV1	No
Amount of data	
• of the address area of the inputs / as DP slave / overall	240 byte
• of the address area of the outputs / as DP slave / overall	240 byte
Performance data / S7 communication	

Number of possible connections / for S7 communication	
• maximum	16
Performance data / multi-protocol mode	
Number of active connections / with multi-protocol mode	
• without DP / maximum	32
• with DP / maximum	28
letzte Änderung:	Oct 28, 2013