

SIEMENS

Product data sheet

6GK7342-5DA03-0XE0



COMMUNICATIONPROCESSOR CP342-5 FOR
CONNECTING SIMATIC S7-300 TO PROFIBUS,
DP, S5-COMPATIBLE-,
PG/OP- AND S7-COMMUNICATION

Transmission rate

Transmission rate / at interface 1 / in accordance with PROFIBUS	9.6 kbit/s ... 12 Mbit/s
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Interfaces

Number of electrical connections / at interface 1	
• in accordance with PROFIBUS	1
Number of electrical connections	
• for power supply	1

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage	DC
Supply voltage	
• 1 / from backplane bus	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	

<ul style="list-style-type: none"> • from backplane bus / at 5 V / for DC / [nicht versorgt - typisch] 	0.15 A
<ul style="list-style-type: none"> • [nicht versorgt - aus externer Versorgungsspannung] / [nicht versorgt - bei 24 V] / [nicht versorgt - bei DC] 	
<ul style="list-style-type: none"> • [nicht versorgt - typisch] 	0.25 A
Resistive loss	6.75 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operating 	0 ... 60 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
Relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operating / maximum 	95 %
Protection class IP	IP20
Design, dimensions and weight	
Width	40 mm
Height	125 mm
Depth	120 mm
Net weight	0.3 kg
Product properties, functions, components / general	
Number of modules	
<ul style="list-style-type: none"> • 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 / [nicht versorgt - als DP-Master] / [nicht versorgt - DPV0]	Yes
Number of DP slaves / on DP master / usable	124
Amount of data	

• of the address area of the inputs / [nicht versorgt - als DP-Master] / [nicht versorgt - gesamt]	2160 byte
• of the address area of the outputs / [nicht versorgt - als DP-Master] / [nicht versorgt - gesamt]	2160 byte
• of the address area of the inputs / [nicht versorgt - je DP-Slave]	244 byte
• of the address area of the outputs / [nicht versorgt - je DP-Slave]	244 byte
• [nicht versorgt - des Adressbereiches der Diagnosedaten] / [nicht versorgt - je DP-Slave]	240 byte
Service / [nicht versorgt - als DP-Slave]	
• [nicht versorgt - DPV0]	Yes
Amount of data	
• of the address area of the inputs / [nicht versorgt - als DP-Slave] / [nicht versorgt - gesamt]	240 byte
• of the address area of the outputs / [nicht versorgt - als DP-Slave] / [nicht versorgt - gesamt]	240 byte
Performance data / S7 communication	
Number of possible connections / [nicht versorgt - für S7-Kommunikation]	
• [nicht versorgt - maximal]	16
Performance data / multi-protocol mode	
Number of active connections / with multi-protocol mode	
• without DP / maximum	32
• with DP / maximum	28
letzte Änderung:	Feb 28, 2012