



PLEASE NOTE: SALES WILL BE RESTRICTED AS OF APR. 30TH 2012 [HTTP://SUPPORT.AUTOMATION.SIEMENS.COM/WW/VIEW/EN/58567948](http://support.automation.siemens.com/ww/view/en/58567948) SIEMENS BUILDING TECHNOLOGIES COMMUNICATIONS PROCESSOR CP 343-1 BACNET FOR CONNECTION OF SIMATIC S7-300 TO BACNET. ADDITIONAL RUNTIME LICENSE REQUIRED FOR USE OF BAC NET PROTOCOL ON CP ATTENTION: ORDER PLACEMENT ONLY VIA ORG-ID: A1201396 !

Transmission rate

Transfer rate / at the interface 1 10 ... 100 Mbit/s

Interfaces

Number of electrical connections

- at interface 1 / in accordance with Industrial Ethernet 1
- 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

- from backplane bus / at 5 V / for DC / Typical 0.2 A
- from external supply voltage / at 24 V / with DC
 - maximum 0.2 A

Resistive loss 5.8 W

Permitted ambient conditions

Ambient temperature

- 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	0.22 kg
Product properties, functions, components / general	
Number of units	
<ul style="list-style-type: none"> per CPU / maximum 	1
Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	8
Data volume	
<ul style="list-style-type: none"> as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	8 Kibyte
<ul style="list-style-type: none"> as user data per UDP connection / for open IE communication / by means of SEND/RECEIVE blocks / maximum 	2 Kibyte
Number of Multicast stations	8
Performance data / S7 communication	
Number of possible connections / for S7 communication	
<ul style="list-style-type: none"> maximum 	4
<ul style="list-style-type: none"> with PG connections / maximum 	2
<ul style="list-style-type: none"> with PG/OP connections / maximum 	2
Performance data / multi-protocol mode	
Number of active connections / with multiprotocol mode	12
Performance data / BACnet	
Protocol / is supported / BACnet/IP	Yes
Product function	
<ul style="list-style-type: none"> BACnet device type AAC (Advanced Application Controller) 	Yes
<ul style="list-style-type: none"> peer-to-peer between BACnet automation stations 	Yes
<ul style="list-style-type: none"> BBMD (BACnet Broadcast Management Device) 	Yes
Number of BACnet I/O objects / maximum	800
Total number of BACnet objects / maximum	1500
Memory capacity / of the working memory of the S7-CPU / required	4 Kibyte
Product functions / management, configuration	
Product function / MIB support	Yes
Protocol / is supported	

• SNMP v1	Yes
• DCP	Yes
• LLDP	Yes

Product functions / Diagnosis

Product function / Web-based diagnostics	No
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Product functions / switch

Product feature / switch	Yes
Product function	
• switch-managed	No
• Configuration with STEP 7	Yes

Product functions / Time

Product function	
• SICLOCK support	Yes
• pass on time synchronization	Yes
Protocol / is supported / NTP	Yes

letzte Änderung: Jul 17, 2012