

Product-type designation

CP 343-1 Lean



SIMATIC NET,
CP 343-1 LEAN COMMUNICATION PROCESSOR FOR
CONNECTING SIMATIC S7-300 TO IND. ETHERNET VIA
TCP/IP AND UDP,
MULTICAST,
SEND/RECEIVE W. AND W/O RFC1006,
FETCH/ WRITE,
S7-COMMUNICATION(SERVER) PROFINET IO-DEVICE
INTEGRATED 2-PORT SWITCH ERTEC 200,
BG EXCHANGE W/O PG, SNMP DIAGNOSTICS,
INITIALIZ. VIA LAN,
2 X RJ45 CONNECT. FOR LAN WITH 10/100 MBIT/S

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
- for power supply

2
1

Design of the electrical connection

- at interface 1 / in accordance with Industrial Ethernet

RJ45 port

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage

DC

Supply voltage

- 1 / from backplane bus
- external

5 V
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
- from external supply voltage / at 24 V / with DC
 - typical
 - maximum

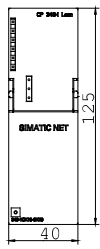
0.2 A

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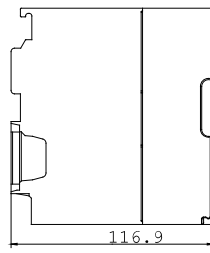
Resistive loss	5.8 W
Permitted ambient conditions	
Ambient temperature	
• during operating	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Width	40 mm
Height	125 mm
Depth	120 mm
Net weight	0.22 kg
Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	8
Data volume	
• as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum	8 Kibyte
• as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum	8 Kibyte
• 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	
• maximum	4
Service / of SIMATIC communication / as server	Yes
Performance data / multi-protocol mode	
Number of active connections / with multiprotocol mode	12
Performance data / PROFINET communication / as PN IO-Device	
Product function / PROFINET IO device	Yes
Amount of data	
• as useful data for input variables / as PROFINET IO device / maximum	512 byte
• as useful data for input variables / as PROFINET IO device / maximum	512 byte
• as useful data for input variables / for each sub-module under PROFINET IO device	240 byte
• as useful data for input variables / for each sub-module under PROFINET IO device	240 byte

• as useful data for the consistency area for each sub-module	240 byte
Number of submodules / per PROFINET IO-Device	32
Product functions / management, configuration	
Product function / MIB support	Yes
Protocol / is supported	
• SNMP v1	Yes
• DCP	Yes
• LLDP	Yes
Identification & maintenance	
• I&M0 - device-specific information	Yes
• I&M1 - plant identification/location name	Yes
Product functions / Diagnosis	
Product function / Web-based diagnostics	Yes
Product functions / switch	
Product feature / switch	Yes
Product function	
• switch-managed	No
• Configuration with STEP 7	Yes
Product functions / Redundancy	
Product function	
• Ring redundancy	Yes
• MRP redundancy protocol	Yes
Product functions / Security	
Product function	
• switchoff of non-required services	Yes
• blocking of communication via physical ports	Yes
Product functions / Time	
Product function	
• SICLOCK support	Yes
• pass on time synchronization	Yes
Protocol / will be supported / NTP	Yes
Maßzeichnung	

Vorne / Front



Links / Left



Oben / Top



letzte Änderung:

Feb 13, 2013