

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,
 INITIALIZATION VIA LAN,
 2 X RJ45 CONNECTION 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	2
• for power supply	1
Design of the electrical connection	
• at interface 1 / in accordance with Industrial Ethernet	RJ45 port

Supply voltage, current consumption, power loss

Type 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	
• typical	0.16 A
• maximum	0.2 A

Resistive loss	5.8 W
Permitted ambient conditions	
Ambient temperature	
• for vertical installation / during operating phase	0 ... 40 °C
• for horizontal installation / during operating phase	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	
Module format	Compact module S7-300 single width
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

<ul style="list-style-type: none"> • as useful data for input variables / for each sub-module under PROFINET IO device 	240 byte
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • SNMP v1 	Yes
<ul style="list-style-type: none"> • DCP 	Yes
<ul style="list-style-type: none"> • LLDP 	Yes
Identification & maintenance function	
<ul style="list-style-type: none"> • I&M0 - device-specific information 	Yes
<ul style="list-style-type: none"> • I&M1 – higher level designation/location designation 	Yes
Product functions / Diagnosis	
Product function / Web-based diagnostics	Yes
Product functions / switch	
Product feature / switch	Yes
Product function	
<ul style="list-style-type: none"> • switch-managed 	No
<ul style="list-style-type: none"> • Configuration with STEP 7 	Yes
Product functions / Redundancy	
Product function	
<ul style="list-style-type: none"> • Ring redundancy 	Yes
<ul style="list-style-type: none"> • Media Redundancy Protocol (MRP) 	Yes
Product functions / Security	
Product function	
<ul style="list-style-type: none"> • switchoff of non-required services 	Yes
<ul style="list-style-type: none"> • blocking of communication via physical ports 	Yes
Product functions / Time	
Product function	
<ul style="list-style-type: none"> • SICLOCK support 	Yes
<ul style="list-style-type: none"> • pass on time synchronization 	Yes
Protocol / is supported / NTP	Yes
Further Information / Internet Links	
Internet-Link	
<ul style="list-style-type: none"> • to website: Industry Mall 	http://www.siemens.com/industrial-controls/mall
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb

- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/cax>

<http://support.automation.siemens.com>

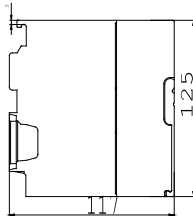
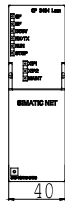
Security information

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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>. Version 3.4 – 14.11.2013-Siemens AG, I IA L CG, Nuremberg

Maßzeichnung

DRIVE FRONT / FRONT DRIVE / FRONT LINKS / LEFT



letzte Änderung:

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