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**CAMBIA**

**SIEMENS 6GK7343-1EX30-0XE0 DATASHEET**

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COMMUNIKATIONSPROCESSOR CP343-1 FOR CONNECTING SIMATIC S7-300 TO IND. ETHERNET VIA ISO AND TCP/IP, PROFINET IO-CONTROLLER OR PROFINET IO-DEVICE, INTEGR. 2-PORT SWITCH ERTEC200 S7-COMM., FETCH/WRITE, SEND/RCV W. AND W/O RFC1006, MULTICAST DHCP, NTC-CPU SYNC, DIAGNOSTIC, INITIALIZATION 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 2
- 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
  - typical 0.16 A
  - maximum 0.2 A

Resistive loss 5.8 W

### Permitted ambient conditions

Ambient temperature

<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +70 °C
Relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operating / maximum</li> </ul>	95 %
Protection class IP	IP20
<b>Design, dimensions and weight</b>	
Width	40 mm
Height	125 mm
Depth	120 mm
Net weight	0.22 kg
<b>Performance data / open communication</b>	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	16
Data volume	
<ul style="list-style-type: none"> <li>as user data per ISO connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul style="list-style-type: none"> <li>as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul style="list-style-type: none"> <li>as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul style="list-style-type: none"> <li>as user data per UDP connection / for open IE communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	2 Kibyte
Number of Multicast stations	16
<b>Performance data / S7 communication</b>	
Number of possible connections / for S7 communication	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	16
<b>Performance data / multi-protocol mode</b>	
Number of active connections / with multiprotocol mode	32
<b>Performance data / PROFINET communication / as PN IO-Controller</b>	
Number of PN IO-Devices / on PROFINET IO-Controller / usable / total	32
Amount of data	
<ul style="list-style-type: none"> <li>as useful data for input variables / as PROFINET IO controller / maximum</li> </ul>	1 Kibyte
<ul style="list-style-type: none"> <li>as useful data for input variables / with PROFINET IO controller / maximum</li> </ul>	1 Kibyte
<ul style="list-style-type: none"> <li>as useful data for input variables per PN IO device / with PROFINET IO controller / maximum</li> </ul>	240 byte
<ul style="list-style-type: none"> <li>as useful data for output variables per PN IO device / with PROFINET IO controller / maximum</li> </ul>	240 byte
<ul style="list-style-type: none"> <li>as user data for input variable per PN IO device / per submodule as PROFINET IO controller / maximum</li> </ul>	240 byte

<ul style="list-style-type: none"> <li>• as user data for output variables per PN IO device / per submodule as PROFINET IO controller / maximum</li> </ul>	240 byte
<b>Performance data / PROFINET communication / as PN IO-Device</b>	
Product function / PROFINET IO device	Yes
Amount of data	
<ul style="list-style-type: none"> <li>• as useful data for input variables / as PROFINET IO device / maximum</li> </ul>	512 byte
<ul style="list-style-type: none"> <li>• as useful data for input variables / as PROFINET IO device / maximum</li> </ul>	512 byte
<ul style="list-style-type: none"> <li>• as useful data for input variables / for each sub-module under PROFINET IO device</li> </ul>	240 byte
<ul style="list-style-type: none"> <li>• as useful data for input variables / for each sub-module under PROFINET IO device</li> </ul>	240 byte
<ul style="list-style-type: none"> <li>• as useful data for the consistency area for each sub-module</li> </ul>	240 byte
Number of submodules / per PROFINET IO-Device	32
<b>Product functions / management, configuration</b>	
Product function / MIB support	Yes
Protocol / is supported	
<ul style="list-style-type: none"> <li>• SNMP v1</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• DCP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• LLDP</li> </ul>	Yes
Identification & maintenance	
<ul style="list-style-type: none"> <li>• I&amp;M0 - device-specific information</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• I&amp;M1 - plant identification/location name</li> </ul>	Yes
<b>Product functions / Diagnosis</b>	
Product function / Web-based diagnostics	Yes
<b>Product functions / switch</b>	
Product feature / switch	Yes
Product function	
<ul style="list-style-type: none"> <li>• switch-managed</li> </ul>	No
<ul style="list-style-type: none"> <li>• Configuration with STEP 7</li> </ul>	Yes
<b>Product functions / Redundancy</b>	
Product function	
<ul style="list-style-type: none"> <li>• Ring redundancy</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Redundancy manager</li> </ul>	No
<ul style="list-style-type: none"> <li>• MRP redundancy protocol</li> </ul>	Yes
<b>Product functions / Security</b>	
Product function	
<ul style="list-style-type: none"> <li>• ACL - IP-based</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• switchoff of non-required services</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• blocking of communication via physical ports</li> </ul>	Yes

- log file for unauthorized access

No

### Product functions / Time

Product function

- SICLOCK support
- pass on time synchronization

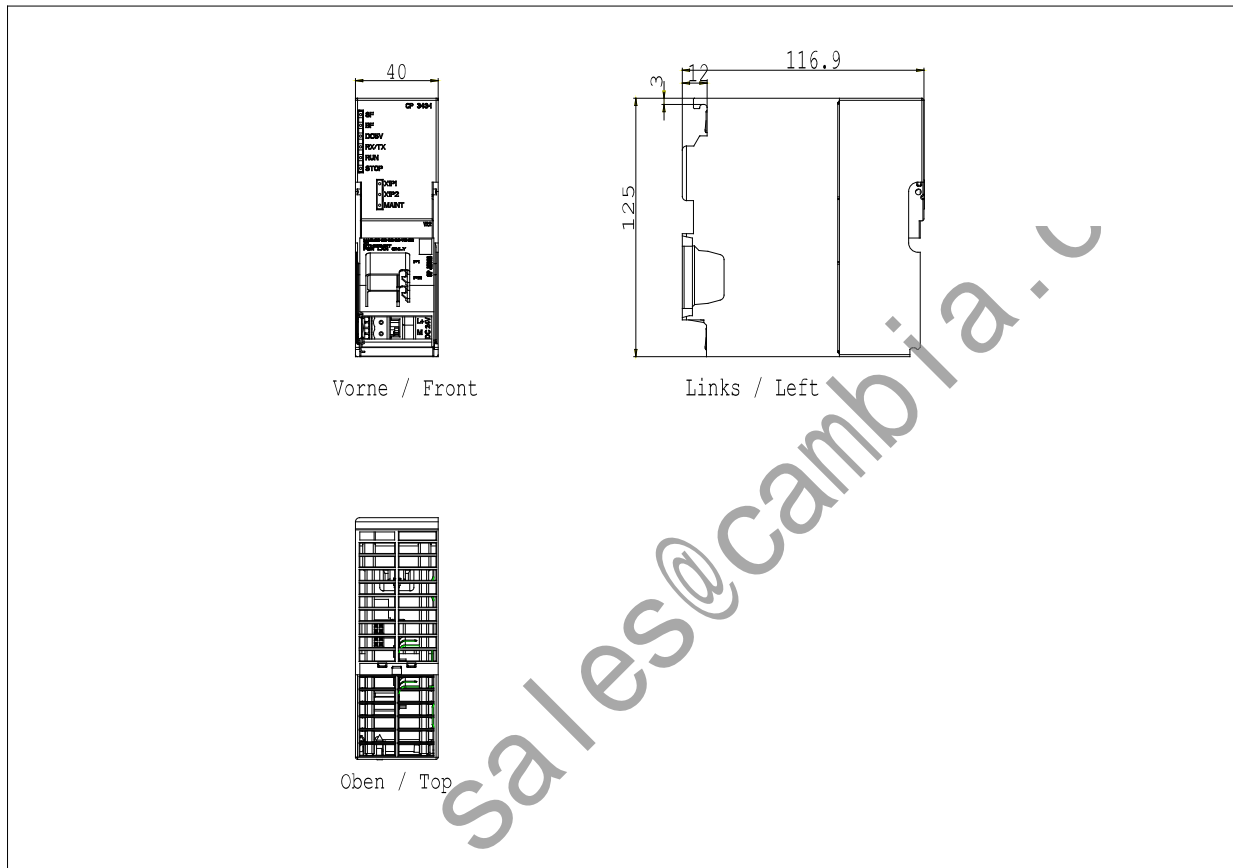
Yes

Yes

Protocol / is supported / NTP

Yes

### Maßzeichnung



letzte Änderung:

Jul 17, 2012