SIEMENS

Product data sheet 6GK7343-1EX30-0XE0

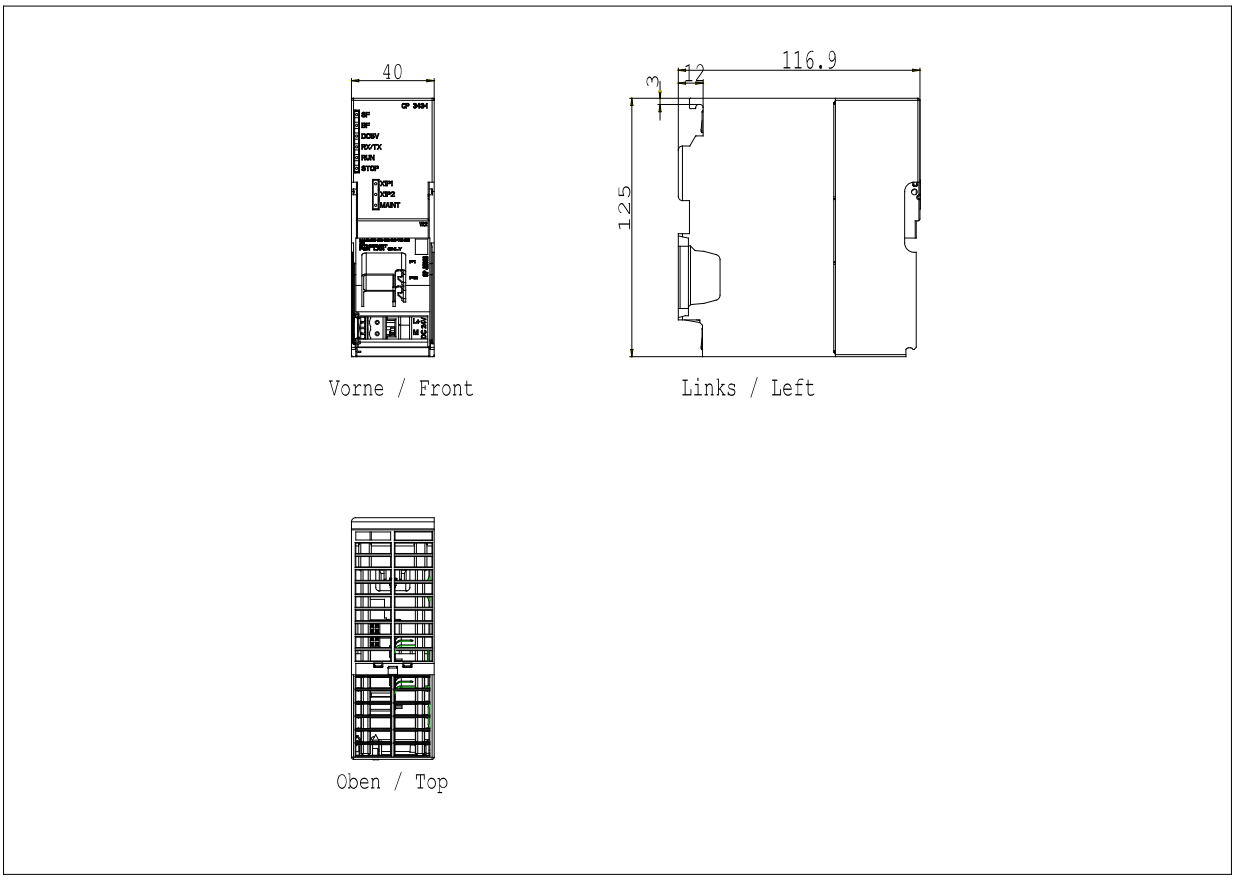
Product-type designation	CP 343-1
	COMMUNIKATIONSPROCESSOR CP343-1 FOR CONNECTING SIMATIC S7-300 TO IND. ETHERNET VIA ISO AND TCP/IP, PROFINET IO-CONTROLLER OR PROFINET IO-DEVICE, INTEGR. 2-PORT SWITCH ERTEC200 S7-COMM., FETCH/WRITE, SEND/RCV W. AND W/O RFC1006,MULTICAST DHCP, NTC-CPU SYNC, DIAGNOSTIC, 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
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	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	16
Data volume	
• as user data per ISO connection / for open communication / by means of SEND/RECEIVE blocks / maximum	8 Kibyte
• 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	16
Performance data / S7 communication	
Number of possible connections / for S7 communication	
• maximum	16
Performance data / multi-protocol mode	
Number of active connections / with multiprotocol mode	32
Performance data / PROFINET communication / as PN IO-Controller	
Number of PN IO-Devices / on PROFINET IO-Controller / usable / total	32
Number of external PN IO lines / with PROFINET / per rack	1
Data volume	
• as useful data for input variables / as PROFINET IO controller / maximum	1 Kibyte

• as useful data for output variables / with PROFINET IO controller / maximum	1 Kibyte
• as useful data for input variables per PN IO device / with PROFINET IO controller / maximum	1433 byte
• as useful data for output variables per PN IO device / with PROFINET IO controller / maximum	1433 byte
• as user data for input variable per PN IO device / per submodule as PROFINET IO controller / maximum	240 byte
• as user data for output variables per PN IO device / per submodule as PROFINET IO controller / maximum	240 byte
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 function	
• I&M0 - device-specific information	Yes
• 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	
• switch-managed	No
• Configuration with STEP 7	Yes
Product functions / Redundancy	
Product function	
• Ring redundancy	Yes
• Redundancy manager	No

• Media Redundancy Protocol (MRP)	Yes
Product functions / Security	
Product function	
• ACL - IP-based	Yes
• switchoff of non-required services	Yes
• blocking of communication via physical ports	Yes
• log file for unauthorized access	No
Product functions / Time	
Product function	
• SICLOCK support	Yes
• pass on time synchronization	Yes
Protocol / is supported / NTP	Yes

Maßzeichnung



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