# **SIEMENS**

## **Data sheet**

# 6AG1343-1GX31-4XE0

### product type designation



#### SIPLUS NET CP343-1 ADVANCED

SIPLUS NET CP 343-1 Advanced based on 6GK7343-1GX31-0XE0 with conformal coating, 0...+60 °C, for connection of the SIMATIC S7-300 CPU to Ind. Ethernet; PROFINET IO controller and/or IO Device; RT and RT and IRT IRT, MRP, PROFINET CBA; TCP/IP ISO, UDP, S7 communication, S5-compatible communication, (send/receive) with fetch/write with and without RFC 1006, multicast diagnostics extension,SNMP,DHCP, FTP client/server, email, Gigabit-SS1X RJ45 (10/100/1000); PROFINET interface 2x RJ45(10/100 Mbit) PROFINET CBA; security

Figure similar

transfer rate	
transfer rate	
at the 1st interface	10 1000 Mbit/s
at the 2nd interface	10 100 Mbit/s
interfaces	
number of interfaces / according to Industrial Ethernet	3
number of electrical connections	
at the 1st interface / according to Industrial Ethernet	1
at the 2nd interface / according to Industrial Ethernet	2
• for power supply	1
type of electrical connection	
at the 1st interface / according to Industrial Ethernet	RJ45 port
at the 2nd interface / according to Industrial Ethernet	RJ45 port
type of electrical connection	
• for power supply	2-pole plugable terminal block
design of the removable storage	
• C-PLUG	Yes
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage / 1 / from backplane bus	5 V
supply voltage / external	24 V
supply voltage / external / at DC / rated value	24 V
relative positive tolerance / at DC / at 24 V	20 %
relative negative tolerance / at DC / at 24 V	15 %
consumed current	
<ul><li>from backplane bus / at DC / at 5 V / typical</li></ul>	0.14 A
<ul> <li>from external supply voltage / at DC / at 24 V / typical</li> </ul>	0.48 A
• from external supply voltage / at DC / at 24 V / maximum	0.62 A
power loss [W]	14.7 W
ambient conditions	
ambient temperature	
<ul> <li>for vertical installation / during operation</li> </ul>	0 40 °C
<ul> <li>for horizontally arranged busbars / during operation</li> </ul>	0 60 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
installation altitude / at height above sea level / maximum	5000 m
ambient condition / relating to ambient temperature - air pressure - installation altitude	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)

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relative humidity	
<ul> <li>with condensation / according to IEC 60068-2-38 / maximum</li> </ul>	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
resistance to biologically active substances	
• conformity according to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request
<ul> <li>conformity according to EN 60721-3-6</li> </ul>	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	
• conformity according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation.
<ul> <li>conformity according to EN 60721-3-6</li> </ul>	Yes
resistance to mechanically active substances	
<ul> <li>conformity according to EN 60721-3-3</li> </ul>	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
• conformity according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
coating / for equipped printed circuit board / according to EN 61086	Yes; Class 2 for high availability
type of coating / protection against pollution according to EN 60664-3	Yes; Protection of the type 1
type of test / of the coating / according to MIL-I-46058C	Yes; Coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal coating, class A
protection class IP	IP20
design, dimensions and weights	
module format	Compact module
width	80 mm
height	125 mm
depth	120 mm
net weight	0.8 kg
fastening method	
S7-300 rail mounting	Yes
performance data / open communication	130
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
<ul> <li>as user data per ISO on TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul> <li>as user data per TCP connection / for open communication / by means of SEND/RECEIVE blocks / maximum</li> </ul>	8 Kibyte
<ul> <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
performance data / S7 communication	
number of possible connections / for S7 communication	
• maximum	16
performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	48
performance data / IT functions	
number of possible connections	
as client / by means of FTP / maximum	10
as server / by means of FTP / maximum	2
number of possible connections	_
	4
<ul> <li>as server / by means of HTTP / maximum</li> <li>as email client / maximum</li> </ul>	4
data volume / as user data for email / maximum	8 Kibyte

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as user data for input variables / as PROFINET IO device / maximum a su user data for output variables / as PROFINET IO device / maximum a su user data for input variables / for each sub-module as PROFINET IO device as user data for output variables / for each sub-module as PROFINET IO device as user data for output variables / for each sub-module as PROFINET IO device as user data for output variables / for each sub-module as PROFINET IO device as user data for the consistency area for each sub-module number of submodules / per PROFINET IO-Device 240 byte performance data / PROFINET CBA number of connections / with PROFINET CBA / total data volume as user data for digital inputs / with PROFINET CBA / maximum as user data for digital outputs / with PROFINET CBA / maximum as user data for arrays and data types / in the case of acyclic transmission / with PROFINET CBA / maximum as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum as user data for arrays and data types / with PROFINET CBA / maximum as user data for arrays and data types / with PROFINET CBA / maximum as user data for arrays and data types / with PROFINET CBA / maximum as user data for arrays and data types / with PROFINET CBA / maximum as user data for arrays and data types / with PROFINET CBA / maximum as user data for arrays and data types / with PROFINET CBA / maximum as user data for arrays and data types / with PROFINET CBA / maximum  as user data for profine to nonections / in the case of acyclic transmission / with PROFINET CBA / maximum  berformance data / PROFINET CBA / maximum  alta volume as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  as user data for remote interconnections with output	·	Yes
as user data for output variables / as PROFINET IO device / maximum  a as user data for input variables / for each sub-module as PROFINET IO device  as user data for output variables / for each sub-module as PROFINET IO device  as user data for output variables / for each sub-module as PROFINET IO device  as user data for the consistency area for each sub-module  number of submodules / per PROFINET IO-Device  240 byte  250 byte  25	as user data for input variables / as PROFINET IO device	1024 byte
as user data for input variables / for each sub-module as PROFINET IO device  a suser data for output variables / for each sub-module as PROFINET IO device  a suser data for the consistency area for each sub-module  as bubmodules / per PROFINET IO-Device  32  performance data / PROFINET GBA  number of remote connection partners / with PROFINET CBA  number of connections / with PROFINET CBA / total  data volume  a suser data for digital inputs / with PROFINET CBA / 8 Kibyte  maximum  as user data for digital outputs / with PROFINET CBA / 8 Kibyte  as user data for arrays and data types / in the case of acyclic transmission / with PROFINET CBA / maximum  as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  as user data for remote interconnection / maximum  as user data for remote interconnection / with acyclic transfer  update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA / maximum  unwber of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  as user data for remote interconnections with output variables / in the case of	as user data for output variables / as PROFINET IO	1024 byte
as user data for output variables / for each sub-module as PROFINET IO device  as user data for the consistency area for each sub-module number of submodules / per PROFINET IO-Device  32  performance data / PROFINET GBA  number of remote connection partners / with PROFINET CBA   64  number of connections / with PROFINET CBA / total   1000    data volume  as user data for digital inputs / with PROFINET CBA / maximum  as user data for digital outputs / with PROFINET CBA / maximum  as user data for arrays and data types / in the case of acyclic transmission / with PROFINET CBA / with revelocal transmission / with PROFINET CBA / with revelocal transmission / with profinet cBA / maximum  performance data / PROFINET CBA / remote interconnection / with acyclic transmission / with PROFINET CBA / maximum  performance data / PROFINET CBA / remote interconnection / with acyclic transmission / with PROFINET CBA / maximum  performance data / PROFINET CBA / maximum  data volume  a suser data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  a suser data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  a suser data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  a suser data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  a suser data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  a suser data for remote interconnections with output va	as user data for input variables / for each sub-module as	240 byte
module number of submodules / per PROFINET IO-Device performance data / PROFINET CBA  number of remote connection partners / with PROFINET CBA   64 number of connections / with PROFINET CBA / total   1000  data volume	as user data for output variables / for each sub-module as	240 byte
number of remote connection partners / with PROFINET CBA  number of connections / with PROFINET CBA / total  data volume  as user data for digital inputs / with PROFINET CBA / B Kibyte maximum  as user data for digital outputs / with PROFINET CBA / B Kibyte maximum  as user data for arrays and data types / in the case of acyclic transmission / with PROFINET CBA / maximum  as user data for arrays and data types / with PROFINET CBA / maximum  as user data for arrays and data types / with PROFINET CBA / maximum  as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  performance data / PROFINET CBA / remote interconnection / with acyclic transfer  update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  8 Kibyte  as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  8 Kibyte  as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  8 Kibyte  as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFI		240 byte
number of remote connection partners / with PROFINET CBA   64  number of connections / with PROFINET CBA / total   1000    data volume	number of submodules / per PROFINET IO-Device	32
number of connections / with PROFINET CBA / total  data volume  • as user data for digital inputs / with PROFINET CBA / maximum  • as user data for digital outputs / with PROFINET CBA / maximum  • as user data for arrays and data types / in the case of acyclic transmission / with PROFINET CBA / maximum  • as user data for arrays and data types / with PROFINET CBA / maximum  • as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  • as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  • as user data for arrays and data types / with PROFINET CBA / minth e case of local interconnection / maximum  performance data / PROFINET CBA / remote interconnection / with acyclic transfer  update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  8 Kibyte  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / remote interconnection / with cyclic transfer	performance data / PROFINET CBA	
data volume  • as user data for digital inputs / with PROFINET CBA / maximum  • as user data for digital outputs / with PROFINET CBA / 8 Kibyte maximum  • as user data for arrays and data types / in the case of acyclic transmission / with PROFINET CBA / maximum  • as user data for arrays and data types / with PROFINET CBA / maximum  • as user data for arrays and data types / with PROFINET CBA / in the case of local interconnection / maximum  • as user data for arrays and data types / with PROFINET CBA / in the case of local interconnection / maximum  • as user data / PROFINET CBA / remote interconnection / with acyclic transfer  update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum	number of remote connection partners / with PROFINET CBA	64
as user data for digital inputs / with PROFINET CBA / maximum  as user data for digital outputs / with PROFINET CBA / maximum  as user data for arrays and data types / in the case of acyclic transmission / with PROFINET CBA / maximum  as user data for arrays and data types / with PROFINET CBA / maximum  as user data for arrays and data types / with PROFINET CBA / in the case of local interconnection / maximum  as user data for arrays and data types / with PROFINET CBA / in the case of local interconnection / maximum  performance data / PROFINET CBA / remote interconnection / with acyclic transfer update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  8 Kibyte  8 Kibyte  250 byte  2400 byte  2	number of connections / with PROFINET CBA / total	1000
as user data for digital outputs / with PROFINET CBA / maximum  as user data for arrays and data types / in the case of acyclic transmission / with PROFINET CBA / maximum  as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  as user data for arrays and data types / with PROFINET CBA / in the case of local interconnection / maximum  performance data / PROFINET CBA / remote interconnection / with acyclic transfer  update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  8 Kibyte  as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  8 Kibyte  9 As user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / remote interconnection / with cyclic transfer	data volume	
maximum	• .	8 Kibyte
acyclic transmission / with PROFINET CBA / maximum  a su user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum  a su user data for arrays and data types / with PROFINET CBA / in the case of local interconnection / maximum  performance data / PROFINET CBA / remote interconnection / with acyclic transfer  update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  a su user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA  a su user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  a su user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  A su user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  a su user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  Performance data / PROFINET CBA / remote interconnection / with cyclic transfer		8 Kibyte
CBA / with cyclical transfer / maximum  • as user data for arrays and data types / with PROFINET CBA / in the case of local interconnection / maximum  performance data / PROFINET CBA / remote interconnection / with acyclic transfer  update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with profine for the case of acyclic transmission / with cyclic transfer	acyclic transmission / with PROFINET CBA / maximum	8 Kibyte
CBA / in the case of local interconnection / maximum  performance data / PROFINET CBA / remote interconnection / with acyclic transfer  update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • As user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • As user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • As user data for remote interconnections with output variables / in the case of acyclic transmission / with profined part of the case of acyclic transmission / with cyclic transfer	CBA / with cyclical transfer / maximum	·
update time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  performance data / PROFINET CBA / remote interconnection / with cyclic transfer	CBA / in the case of local interconnection / maximum	,
acyclic transmission / with PROFINET CBA  number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA / remote interconnection / with cyclic transfer	performance data / PROFINET CBA / remote interconnection / w	
acyclic transmission / with PROFINET CBA / maximum  number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  performance data / PROFINET CBA / remote interconnection / with cyclic transfer	acyclic transmission / with PROFINET CBA	
of acyclic transmission / with PROFINET CBA / maximum  data volume  • as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  performance data / PROFINET CBA / remote interconnection / with cyclic transfer	acyclic transmission / with PROFINET CBA / maximum	
as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA     as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  Performance data / PROFINET CBA / remote interconnection / with cyclic transfer  8 Kibyte  8 Kibyte	of acyclic transmission / with PROFINET CBA / maximum	128
variables / in the case of acyclic transmission / with PROFINET CBA  • as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA  performance data / PROFINET CBA / remote interconnection / with cyclic transfer		O.V.
variables / in the case of acyclic transmission / with PROFINET CBA  performance data / PROFINET CBA / remote interconnection / with cyclic transfer	variables / in the case of acyclic transmission / with	8 Kibyte
	variables / in the case of acyclic transmission / with PROFINET CBA	
update time / of the remote interconnections / with cyclical 8 ms	performance data / PROFINET CBA / remote interconnection / w	ith cyclic transfer
	update time / of the remote interconnections / with cyclical	8 ms

transfer (with DDOFINET ODA	
transfer / with PROFINET CBA	200
number of remote connections to input variables / with PROFINET CBA / with cyclic transfer / maximum	200
number of remote connections to output variables / with cyclical transfer / with PROFINET CBA / maximum	200
data volume	
<ul> <li>as user data for remote interconnections with input variables / with cyclical transfer / with PROFINET CBA / maximum</li> </ul>	2000 byte
<ul> <li>as user data for remote interconnections with output variables / with cyclical transfer / with PROFINET CBA / maximum</li> </ul>	2000 byte
performance data / PROFINET CBA / HMI variables via PROFINE	ET / acyclic
number of connectable HMI stations / for HMI variables / in the case of acyclic transmission / with PROFINET CBA	3
update time / of the HMI variables / in the case of acyclic transmission / with PROFINET CBA	500 ms
number of HMI variables / in the case of acyclic transmission / with PROFINET CBA / maximum	200
data volume / as user data for HMI variables / in the case of acyclic transmission / with PROFINET CBA / maximum	8 Kibyte
performance data / PROFINET CBA / device-internal interconnec	
number of internal connections / with PROFINET CBA / maximum	256
data volume / of the internal connections / with PROFINET CBA / maximum	2400 byte
performance data / PROFINET CBA / interconnections to consta	ints
number of connections with constants / with PROFINET CBA / maximum	200
data volume / as user data for interconnections with constants / with PROFINET CBA / maximum	4096 byte
performance data / PROFINET CBA / PROFIBUS proxy functions	ality
product function / with PROFINET CBA / PROFIBUS proxy	No
functionality	
performance data / telecontrol	
protocol / is supported	Voc
TCP/IP  product functions / management, configuration, engineering	Yes
product function / MIB support	Yes
protocol / is supported	165
• SNMP v1	Yes
• SNMP v3	Yes
• DCP	Yes
• LLDP	Yes
configuration software	163
• required	STEP7 V5.5 SP2 HF1 or higher / STEP 7 Professional V12 (TIA Portal) or
- 140 1	higher
• for PROFINET CBA / required	SIMATIC iMap V3.0 SP4 and higher
identification & maintenance function	
<ul> <li>I&amp;M0 - device-specific information</li> </ul>	Yes
I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
product function / web-based diagnostics	Yes
product functions / switch	
product feature / switch	Yes
product function	
• switch-managed	No
<ul><li>with IRT / PROFINET IO switch</li></ul>	Yes
configuration with STEP 7	Yes
product functions / redundancy	
product function	
• ring redundancy	Yes
redundancy manager	Yes Yes
· · · · · · · · · · · · · · · · · · ·	

firewall version	stateful inspection
product function / with VPN connection	IPSec
type of encryption algorithms / with VPN connection	AES-256, AES-192, AES-128, 3DES-168, DES-56
type of authentication procedure / with VPN connection	Preshared key (PSK), X.509v3 certificates
type of hashing algorithms / with VPN connection	MD5, SHA-1
number of possible connections / with VPN connection	32
product function	
<ul> <li>password protection for Web applications</li> </ul>	Yes
ACL - IP-based	Yes
<ul> <li>ACL - IP-based for PLC/routing</li> </ul>	Yes
<ul> <li>switch-off of non-required services</li> </ul>	Yes
<ul> <li>blocking of communication via physical ports</li> </ul>	Yes
<ul> <li>log file for unauthorized access</li> </ul>	No
product functions / time	
product function / SICLOCK support	Yes
product function / pass on time synchronization	Yes
protocol / is supported	
• NTP	Yes
further information / internet links	
internet link	
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)
Approvals / Certificates	

**General Product Approval** 

Miscellaneous



Manufacturer Declara-tion



<u>KC</u>



EMV

For use in hazardous locations

CCC-Ex



last modified:

3/22/2024