**Data sheet** 

## 6GK5208-0BA00-2AC2



SCALANCE XC208 manageable Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100 Mbit/s RJ45 ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall Office redundancy functions features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant C-plug slot;

product type designation	SCALANCE XC208	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s	
interfaces / for communication / maximum configuration for modular devices		
number of electrical ports / maximum	8	
interfaces / for communication / integrated		
number of electrical connections		
<ul> <li>for network components or terminal equipment</li> </ul>	8; RJ45	
number of 10/100 Mbit/s RJ45 ports / integrated		
with securing collar	8	
interfaces / other		
number of electrical connections		
• for operator console	1	
for signaling contact	1	
<ul><li>for power supply</li></ul>	1	
type of electrical connection		
• for operator console	RJ11	
<ul> <li>for signaling contact</li> </ul>	2-pole terminal block	
• for power supply	4-pole terminal block	
design of the removable storage		
• C-PLUG	Yes	
signal inputs/outputs		
operating voltage / of the signaling contacts		
at DC / rated value	24 V	
operational current / of the signaling contacts		
<ul><li>at DC / maximum</li></ul>	0.1 A	
supply voltage, current consumption, power loss		
product component / connection for redundant voltage supply	Yes	
type of voltage / 1 / of the supply voltage	DC	
<ul><li>supply voltage / 1 / rated value</li></ul>	24 V	
<ul><li>power loss [W] / 1 / rated value</li></ul>	4.2 W	
<ul> <li>consumed current / 1 / at rated supply voltage / maximum</li> </ul>	0.175 A	
<ul> <li>supply voltage / 1 / rated value</li> </ul>	9.6 31.2 V	
<ul><li>consumed current / 1 / maximum</li></ul>	0.35 A	
<ul> <li>type of electrical connection / 1 / for power supply</li> </ul>	4-pole terminal block	
<ul> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes	
fuse protection type / 1 / at input for supply voltage	2.5 A / 125 V	
ambient conditions		
ambient temperature		
during operation	-40 +70 °C	

a during otorogo	40 L95 °C
during storage     during transport	-40 +85 °C
during transport	-40 +85 °C
relative humidity  • at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	11 20
design	compact
width	60 mm
height	
depth	125 mm
net weight	0.52 kg
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method	Von
35 mm top hat DIN rail mounting	Yes
wall mounting	Yes
• S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
product features, product functions, product components / gen	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
product function / QoS according to DSCP	Yes
product feature	
<ul> <li>Cut Through switching method</li> </ul>	No
Store & Forward switching method	Yes
product functions / management, configuration, engineering	
product function	
• CLI	Yes
<ul> <li>web-based management</li> </ul>	Yes
MIB support	Yes
TRAPs via email	Yes
<ul><li>configuration with STEP 7</li></ul>	Yes
• RMON	Yes
SMTP server	No
<ul> <li>port mirroring</li> </ul>	Yes
<ul> <li>multiport mirroring</li> </ul>	Yes
• CoS	Yes
PROFINET IO diagnosis	Yes
PROFINET conformity class	В
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1632 byte
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• BOOTP	No
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
• EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
identification & maintenance function	
• I&M0 - device-specific information	Yes
<ul> <li>I&amp;M1 - higher level designation/location designation</li> </ul>	Yes
product function	
is supported / identification link	Yes

product function	product functions / diagnostics	
Port diagnostics		
statistics packet type	•	Yes
* statistics packet type		
Systag Systag Yes Systag  VLAN - protosorbased VLA		Yes
product function   VLAN   protoschesed   Ves   Ves   VLAN   protoschesed   Ves   VLAN   protoschesed   VLAN	• • • • • • • • • • • • • • • • • • • •	Yes
product function  • VLAN - protect based  • VLAN - Probased  • Ves	<ul> <li>SysLog</li> </ul>	Yes
VLAN - protocol-based No	product functions / VLAN	
VLAN - protocol-based No		
VLAN - IProbased No number of VLANs - Pytameric maximum 267 number of VLANs - Synamic / maximum 267 number of VLANs / a tring redundancy (HRP; MRP; standby link) probood / is supported / GVRP  Product functions / DHCP  Product functions  BHCP Server BHCP Option 62 BHCP Option 62 BHCP Option 67 BHCP Option 67 BHCP Option 67 BHCP Option 68 BHCP Option 69 BHCP Optio	·	Yes
- VLAN - IP-based   No	<ul> <li>VLAN - protocol-based</li> </ul>	No
number of VLANs - dynamic / maximum 257 number of VLANs / at into redundancy (HRP; standby list) protocol / is supported / GVRP Yes protocot functions / DHCP product functions / DHCP product function	•	No
number of VLANs / at ring redundancy (HRP, MRP, standby link)  protocol / is supported / CVRP  product functions / OHCP  o HCP Center Yes  o HCP Option 82 Yes  o HCP Option 82 Yes  o HCP Option 87 Yes  o HCP Option 88 Yes  o HCP Option 89 Y		257
Inisky protocod / is supported / GVRP product functions / DHCP product functions / DHCP product function	number of VLANs - dynamic / maximum	257
product functions / DHCP product function		257
product function	protocol / is supported / GVRP	Yes
DHCP server  DHCP Option 82  DHCP Option 86  DHCP Option 66  DHCP Option 67  Product functions  of the PROFINET IO device / is supported / PROFINET system redundancy  redundancy protocol (HRP)  injer seped redundancy protocol (HRP) with redundancy redundancy deut function  whigh speed redundancy protocol (HRP) with redundancy redundancy redundancy protocol (HRP) with standby redundancy redundancy protocol (HRP) with standby result function  media redundancy protocol (HRP) with redundancy redundancy redundancy protocol (HRP) with redundancy redundancy protocol (HRP) redundancy redundancy protocol (HRP) redundancy redund	product functions / DHCP	
DHCP Option 82 DHCP Option 82 DHCP Option 82 DHCP Option 67 Yes DHCP Option 67 Yes DHCP Option 67 Yes Product functions / redundancy Product function of the PROFINET IO device / is supported / PROFINET system redundancy ing redundancy ing redundancy ing redundancy Protocol (HRP) ing speed redundancy protocol (HRP) with redundancy manager high speed redundancy protocol (HRP) with standby redundancy is supported / Media Redundancy Protocol (MRP) Trational is supported / Media Redundancy Protocol (MRP)  ing speed redundancy protocol (MRP) with standby redundancy is supported / Media Redundancy Protocol (MRP)  ing speed redundancy protocol (MRP) with redundancy manager  Media Redundancy Protocol (MRP) with redundancy manager  Media Redundancy Protocol (MRP) with redundancy is often PROFINET IO device / is supported / H-Sync forwarding  edundancy procedure RSTP  redundancy pro	product function	
DHCP Option 82 DHCP Option 66 PGROPOption 67 Pes  Product functions / redundancy  product functions / redundancy  product functions / redundancy  of the PROFINET IO device / is supported / PROFINET system redundancy  ing redundancy ing redundancy Protocol (HRP) injs speed redundancy protocol (HRP) with redundancy manager  injsh speed redundancy protocol (HRP) with standby redundancy redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  redundancy protocol (MRP) with redundancy manager  Media Redundancy protocol (MRP) with redundancy manager  Media Redundancy Protocol (MRP) with redundancy redundancy protocol (MRP)  Product function  Media Redundancy Protocol (MRP) with redundancy result in the PROFINET IO device / is supported / H-Sync forwarding redundancy procedure RSTP  Redundancy procedure RSTP  Redundancy procedure RSTP  Redundancy procedure RSTP  Parallel Redundancy Protocol (PRP)/Speration in the PRP-network  Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)  Dassive listening  Protocol / is supported  LACP  Product functions / security  Product functions / security  Protocol / is supported  SSH  SSL  Yes  Product functions / time	DHCP server	Yes
OHCP Option 66     Yes     DHCP Option 67     Yes     Product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ing redundancy     ing redundancy     ing redundancy Protocol (HRP)     inglish speed redundancy protocol (HRP) with redundancy manager     inglish speed redundancy protocol (HRP) with standby redundancy     inglish speed redundancy protocol (HRP) with standby redundancy     inglish speed redundancy protocol (HRP) with standby redundancy     inglish speed redundancy protocol (MRP)     inglish speed redundancy protocol (MRP) with redundancy     manager     inglish speed redundancy protocol (MRP) with redundancy     manager     inglish speed redundancy protocol (MRP) with redundancy     inglish speed redundancy protocol (MRP) with redundancy     inglish speed redundancy protocol (MRP) with redundancy     inglish speed redundancy     i	DHCP client	Yes
DHCP Option 67  Product function  of the PROFINET IO device / is supported / PROFINET system redundancy  in gredundancy  in gredundancy  ing speed redundancy Protocol (HRP)  high speed redundancy protocol (HRP) with standby redundancy  ing speed redundancy protocol (HRP) with standby redundancy  ing speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  redundancy  redundancy  of the PROFINET IO device / is supported / H-Sync forwarding  redundancy procedure STP  redundancy procedure RSTP  redundancy procedure MSTP  Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)  passive listening  protocol / is supported  LACP  yes  product function    IEEE 802 tx (radius)   Yes  product functions / security  product functions / security  protocol / is supported  - SSH  SSL  yes  product functions / time  product functions / security  product f	DHCP Option 82	Yes
product functions / redundancy product function  of the PROFINET IO device / is supported / PROFINET system redundancy ing redundancy ing redundancy protocol (HRP) high speed redundancy protocol (HRP) with redundancy manager high speed redundancy protocol (HRP) with standby redundancy protocol / is supported / Media Redundancy Protocol (MRP)  product function  media redundancy protocol (MRP) with redundancy manager Media Redundancy protocol (MRP) yes  product function  media redundancy protocol (MRP) yes  of the PROFINET IO device / is supported / H-Sync forwarding  redundancy procedure STP redundancy protecute RSTP redundancy procedure RSTP redundancy procedure RSTP Parallel Redundancy Protocol (PRP)/operation in the PRP-network PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) passive listening  protocol / is supported LACP yes  product function    Kes   SSH   SSH   SSH   Ses   Syecoluct functions / Itime   product functions / Itime   Fredunctions / Itime   Fredundancy Itime   Fred	DHCP Option 66	Yes
product function  of the PROFINET IO device / is supported / PROFINET system redundancy  ing redundancy  ing redundancy  ing redundancy yes  ing speed redundancy protocol (HRP) with redundancy manager  ing speed redundancy protocol (HRP) with redundancy manager  ing speed redundancy protocol (HRP) with standby yes redundancy yes redundancy protocol / is supported / Media Redundancy Protocol (MRP)  product function  media redundancy protocol (MRP) with redundancy manager  Media Redundancy protocol (MRP) with redundancy yes with redundancy manager  Media Redundancy Protocol Interconnection (MRP-I) yes  of the PROFINET IO device / is supported / H-Sync forwarding yes deviated in the protocol yes supported / H-Sync forwarding yes deviated in the protocol yes supported yes redundancy procedure STP yes  redundancy procedure RSTP yes  redundancy procedure MSTP yes  redundancy procedure MSTP yes  Parallel Redundancy Protocol (PRP)/Gedundant Network Access (RNA)  passive listening yes protocol (PRP)/Redundant Network Access (RNA)  passive listening yes product functions yes product functions yes curity  product functions yes curity  product functions / security  product functions   yes	DHCP Option 67	Yes
of the PROFINET IO device / is supported / PROFINET system redundancy - iring redundancy - Yes - iring redundancy - Yes - iring redundancy protocol (HRP) - Yes - iring redundancy protocol (HRP) with redundancy - Yes manager - high speed redundancy protocol (HRP) with standby redundancy - iring red	product functions / redundancy	
system redundancy  ing redundancy  ing redundancy  high Speed Redundancy Protocol (HRP) with redundancy manager  high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function  media redundancy protocol (MRP) with redundancy manager  Media Redundancy protocol (MRP) with redundancy manager  Media Redundancy protocol (MRP) with redundancy manager  Media Redundancy Protocol interconnection (MRP-I)  of the PROFINET IO device / is supported / H-Sync forwarding  redundancy procedure STP  redundancy procedure RSTP  redundancy procedure RSTP  redundancy procedure MSTP  Parallel Redundancy Protocol (PRP)/Operation in the PRP-network  Parallel Redundancy Protocol (PRP)/Redundant Network  Access (RNA)  passive listening  protocol / is supported  LACP  Ves  product functions  ves  protocol / is supported  SSH  SSH  SSH  Yes  Product functions  Yes  product functions / time  product functions / time  product functions / time  redundancy / yes  product functions / time  product functions / time	product function	
High Speed Redundancy Protocol (HRP) with redundancy manager  high speed redundancy protocol (HRP) with standby redundancy high speed redundancy protocol (HRP) with standby redundancy protocol / is supported / Media Redundancy Protocol (MRP)  Product function  media redundancy protocol (MRP) with redundancy manager  Media Redundancy Protocol Interconnection (MRP-I)  of the PROFINET IO device / is supported / H-Sync forwarding  redundancy procedure STP  redundancy procedure RSTP  redundancy procedure RSTP  redundancy procedure RSTP  Parallel Redundancy Protocol (PRP)/operation in the PRP-retwork  Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)  passive listening  roduct function  IEEE 802.1x (radius)  broadcast/multicast/unicast limiter  SSH  SSH  SSL  Pes  Product functions / time  redundancy / time  redundancy / time  redundancy protocol (PRP)/ Yes  Product functions / time		Yes
high speed redundancy protocol (HRP) with redundancy redundancy     e high speed redundancy protocol (HRP) with standby redundancy     protocol / is supported / Media Redundancy Protocol (MRP)      product function           media redundancy protocol (MRP) with redundancy manager           Media Redundancy Protocol Interconnection (MRP-I)           of the PROFINET IO device / is supported / H-Sync forwarding           redundancy procedure STP           redundancy procedure RSTP           redundancy procedure RSTP           redundancy procedure RSTP           redundancy procedure MSTP           redundancy procedure MSTP           Parallel Redundancy Protocol (PRP)/Operation in the PRP-network           Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)           passive listening           product function           IEEE 802.1x (radius)	ring redundancy	Yes
manager  • high speed redundancy protocol (HRP) with standby redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function  • media redundancy protocol (MRP) with redundancy manager  • Media Redundancy Protocol interconnection (MRP-I) • of the PROFINET IO device / is supported / H-Sync forwarding • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure MSTP • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening protocol / is supported • LACP  • LACP  product function • IEEE 802.1x (radius) • IEEE 802.1x (radius) • broadcast blocking  protocol / is supported • SSH • broadcast blocking  protocol / is supported • SSH • SSL  yes  product functions / security  product functions / separate   Yes  • SSL  yes  product functions / time	<ul> <li>High Speed Redundancy Protocol (HRP)</li> </ul>	Yes
redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function  • media redundancy protocol (MRP) with redundancy manager  • Media Redundancy Protocol (Interconnection (MRP-I)) • of the PROFINET IO device / is supported / H-Sync forwarding  • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure MSTP • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening  protocol / is supported • LACP  product functions / security  product function • IEEE 802.1x (radius) • broadcast/multicast/unicast limiter • SSH • SSL  yes  product functions / time  product functions / time  product functions / time  product functions / time	manager	Yes
product function  • media redundancy protocol (MRP) with redundancy manager  • Media Redundancy Protocol Interconnection (MRP-I)  • of the PROFINET IO device / is supported / H-Sync forwarding  • redundancy procedure STP  • redundancy procedure RSTP  • redundancy procedure RSTP  • redundancy procedure RSTP  • redundancy procedure MSTP  • redundancy procedure MSTP  • Parallel Redundancy Protocol (PRP)/operation in the PRP-network  • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)  • passive listening  protocol / is supported  • LACP  * Yes  • broadcast/multicast/unicast limiter  • EEE 802.1x (radius)  • EEE 802.1x (radius)  • EEE 802.1x (radius)  • SSH  • SSH  • SSL  * Yes  product functions / time  product functions / time  product functions / time  * Yes  * SSL  * Yes  * SSL  * Yes  * SSL  * Yes  * Product functions / time  * Test supported  • SSH  • Yes  * Yes  * Yes  * SSL  * Yes  * STL  * Test supported  • SSL  * Yes  * SSL	redundancy	Yes
media redundancy protocol (MRP) with redundancy manager     Media Redundancy Protocol Interconnection (MRP-I) Yes     of the PROFINET IO device / is supported / H-Sync forwarding     redundancy procedure STP     redundancy procedure RSTP     redundancy procedure RSTP     redundancy procedure MSTP     redundancy procedure MSTP     redundancy procedure MSTP     Parallel Redundancy Protocol (PRP)/operation in the PRP-network     Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)     passive listening     rotocol / is supported		Yes
manager  • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / H-Sync forwarding  • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure MSTP • redundancy procedure MSTP • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening  protocol / is supported • LACP • Yes  product functions / security  redundancy Protocol (PRP)/Redundant Network Access (RNA) • product functions / security  product functions / security  product functions / security  product functions / supported • SSH • SSL • SSL • Yes  product functions / time  product functions / time	•	
of the PROFINET IO device / is supported / H-Sync forwarding     redundancy procedure STP	manager	
forwarding  • redundancy procedure STP  • redundancy procedure RSTP  • redundancy procedure RSTP+  • redundancy procedure MSTP  • redundancy procedure MSTP  • Parallel Redundancy Protocol (PRP)/operation in the PRP-network  • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)  • passive listening  protocol / is supported  • LACP  • LACP  • LEE 802.1x (radius)  • IEEE 802.1x (radius)  • broadcast/multicast/unicast limiter  • broadcast blocking  protocol / is supported  • SSH  • SSL  • SSL  • SSL  • Yes  product functions / time  product functions / time  product functions / time		
redundancy procedure RSTP     redundancy procedure RSTP+     redundancy procedure MSTP     redundancy procedure MSTP     Parallel Redundancy Protocol (PRP)/operation in the PRP-network     Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)     passive listening     yes  protocol / is supported     LACP     Yes  product function     IEEE 802.1x (radius)     broadcast/multicast/unicast limiter     broadcast blocking  protocol / is supported     SSH     SSL     Yes  product functions / security  Yes  product functions / security  Yes  protocol / is supported     SSH     SSL     Yes  product functions / time  product functions / time	forwarding	
redundancy procedure RSTP+     redundancy procedure MSTP     Parallel Redundancy Protocol (PRP)/operation in the PRP-network     Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)     passive listening     reduct functions / security  product function     IEEE 802.1x (radius)     broadcast/multicast/unicast limiter     SSH     SSL     Yes  product functions / time	• •	
redundancy procedure MSTP     Parallel Redundancy Protocol (PRP)/operation in the PRP-network     Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)     Passive listening     Yes  protocol / is supported     LACP     Yes  product functions / security  product function     IEEE 802.1x (radius)     broadcast/multicast/unicast limiter     broadcast blocking  protocol / is supported     SSH     SSL     Yes  product functions / time  product functions / time  product functions / time	* *	
Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)  passive listening Yes  protocol / is supported LACP Product functions / security  product function  IEEE 802.1x (radius) broadcast/multicast/unicast limiter broadcast blocking  protocol / is supported SSH SSL Yes  product functions / time  product functions / time  product functions / time  product functions / time	* *	
PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)  passive listening Protocol / is supported LACP Product functions / security  product function  IEEE 802.1x (radius) Proadcast/multicast/unicast limiter Protocol / is supported SSH SSL Product function  Yes  Yes  Product function  Yes  Protocol / is supported Yes  Protocol / is supported Yes  Product functions / Yes  Product functions / Yes  Product functions / Yes Product functions / Yes	* *	
Access (RNA)  • passive listening  protocol / is supported  • LACP  Yes  product functions / security  product function  • IEEE 802.1x (radius)  • broadcast/multicast/unicast limiter  • broadcast blocking  protocol / is supported  • SSH  • SSL  Product functions / time  product functions	PRP-network	
protocol / is supported  LACP  Product functions / security  product function  IEEE 802.1x (radius)  broadcast/multicast/unicast limiter  broadcast blocking  Protocol / is supported  SSH  SSL  Product functions / time  product functions	Access (RNA)	
● LACP Yes  product functions / security  product function  ● IEEE 802.1x (radius) Yes  ● broadcast/multicast/unicast limiter Yes  ● broadcast blocking Yes  protocol / is supported  ● SSH Yes  ● SSL Yes  product functions / time  product function	· · · · · · · · · · · · · · · · · · ·	160
product functions / security  product function  IEEE 802.1x (radius)  broadcast/multicast/unicast limiter  broadcast blocking  protocol / is supported  SSH  SSL  Yes  product functions / time  product function		Yes
product function  IEEE 802.1x (radius)  broadcast/multicast/unicast limiter  broadcast blocking  protocol / is supported  SSH  SSL  Yes  Product functions / time  product function		
IEEE 802.1x (radius)     broadcast/multicast/unicast limiter     broadcast blocking  protocol / is supported     SSH     SSL  Product functions / time  product function  Yes  Yes  Yes  Yes	-	
broadcast/multicast/unicast limiter     broadcast blocking  protocol / is supported     SSH     SSL     Yes  product functions / time  product function  Product function  Product function  Yes  Yes  Yes  Product functions / time	•	Yes
broadcast blocking  protocol / is supported     SSH     SSL     Yes  product functions / time  product function  Product function  Product function  Product function		
protocol / is supported  SSH SSL Yes  Product functions / time  product function		
SSH     SSL     Yes  product functions / time  product function	·	
• SSL Yes  product functions / time  product function		Yes
product functions / time product function		
SICLOCK support     Yes	product function	
	SICLOCK support	Yes

NITD alleged	V
NTP-client     SNTD elient	Yes
SNTP client	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	48 a
reference code	
<ul> <li>according to IEC 81346-2</li> </ul>	KF
• according to IEC 81346-2:2019	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
• for EMC interference emission	EN 61000-6-4, EN 50121-4
• for immunity to EMC	EN 61000-6-2, EN 50121-4
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes; EN 60079-0, EN 60079-15
• for ATEX / as marking	II 3 G Ex nA II T4 Gc
for ATEX / as certificate	KEMA 07ATEX0145 X
• IECEX	Yes; IEC 60079-0, IEC 60079-15
• for IECEx / as marking	Ex nA II T4 Gc
• for IECEx / as certificate	IECEX DEK 14.0025X
CCC / for hazardous zone according to GB standard	Yes
<ul> <li>CCC / for hazardous zone according to GB standard / as marking</li> </ul>	Ex nA IIC T4 Gc
for cULus HazLoc / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
• for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)
• FM registration	Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004
● for FM / as marking	CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C
for FM / as certificate	FM16US0205X
standards, specifications, approvals / other	
certificate of suitability	
railway application in accordance with EN 50121-4	Yes
Regulatory Compliance Mark (RCM)	Yes
• for UL 61010-2-201 / as File Nr.	E85972 (NRAQ, NRAQ7)
• for UL 60950-1 / as File Nr.	E115352 (NWGQ, NWGQ7)
	Yes
EAC approval     Standards approvals / marine elassification	1 00
standards, specifications, approvals / marine classification	
Marine classification association	V
American Bureau of Shipping Europe Ltd. (ABS)	Yes
French marine classification society (BV)	Yes
• DNV GL	Yes
Korean Register of Shipping (KRS)	Yes
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes
<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	Yes
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	Yes
Royal Institution of Naval Architects (RINA)	Yes
accessories	
product extension / optional / C-PLUG	Yes
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
to website: Industrial communication	http://www.siemens.com/simatic-net

• to website: Industry Mall

• to website: Information and Download Center

• to website: Image database

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

https://mall.industry.siemens.com

http://www.siemens.com/industry/infocenter

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

## security information

security information

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. (V3.4)

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