## 6GK5208-0RA00-5AC2





SCALANCE XC208G PoE Manageable Layer 2 IE PoE Switch; IEC 62443-4-2 certified 6x 10/100/1000 Mbps RJ45 PoE ports acc. to IEEE802.3at; 2 ports of which according to IEEE802.3bt; 2x 10/100/1000 Mbps RJ45; PoE support for 54 V DC infeed; 240 W PoE power can be distributed among all PoE ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Ethernet/IP-compliant; C-PLUG slot; IEEE 1588v2 PTP

product type designation	SCALANCE
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / maximum configuration for mo	dular devices
number of electrical ports / maximum	8
number of electrical ports / with PoE / maximum	6
interfaces / for communication / integrated	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	8; RJ45
number of 10/100/1000 Mbit/s RJ45 ports / integrated	
with securing collar	2; 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W)
<ul><li>with securing collar / with PoE</li></ul>	6
interfaces / other	
number of electrical connections	
<ul> <li>for operator console</li> </ul>	1
for signaling contact	1
type of electrical connection	
<ul> <li>for operator console</li> </ul>	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	54 V
operational current / of the signaling contacts	
at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
supplied active power / of PSE / with PoE	
• total / maximum	260 W
type of voltage / 1 / of the supply voltage	DC
<ul> <li>supply voltage / 1 / rated value</li> </ul>	54 V
<ul> <li>consumed current / 1 / at rated supply voltage / maximum</li> </ul>	5 A
<ul><li>supply voltage / 1 / rated value</li></ul>	52 57 V
<ul> <li>consumed current / 1 / maximum</li> </ul>	5 A
<ul> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	15 A / 125 V
ambient conditions	
ambient temperature	

- during transport - during transport - note - during transport - note - installation position and SFPs used during the operation have to be considered (see manual)  relative humidity - at 25 °C / without condensation / during operation / maximum protection class IP - during transport - design, dimensions and weights  design - width - 60 mm - height - 125 mm - net weight - 60 mm - height - 125 mm - net weight - 60 mm - 126 mm - net weight - 60 mm - 126 mm - net weight - 60 mm - 126 mm - net weight - 60 mm - 126 mm - net weight - 60 mm - 126 mm - 126 mm - 126 mm - net weight - 60 mm - 126 mm - 127 mm - 128 mm - net weight - 60 mm - 128 mm - net weight - 60 mm - 128 mm - net weight - 60 mm - 60	during analytica	40 100 °C
e during transport enote  relative humidity e at 25 °C / without condensation / during operation / more account of the case menual)  protection class IP  protection class IP  protection class IP  design	during operation	-40 +60 °C
relative humidity  * at 25°C / vithout condensation / during operation / maximum  protection class IP  design		
relative humidity  * at 25 °C / without condensation / during operation / maximum  protection class IP  design dimensions and weights  design compact width 60 mm  height 147 mm  depth 125 mm  net weight 90.94 kg product feature / conformal coating No material / of the enclosure assume of the enclosure (PC-GF10) / pressure die cast aluminum  astening method 4.35 mm top hat DIN rail mounting Yes  * wall mounting Yes  * ST-1500 rail mounting Yes  * Cassading in the case of a redundant ring / at reconfiguration intense of * O-30 se  * cassading in cases of star topology any (depending only on signal propagation time)  product feature, product function / Too's according to DSCP Yes  product function / Too's according to DSCP Yes  product function / Too's according to DSCP Yes  product function / Too's according the CPC Yes  product functions / management, configuration, engineering  product functions / management Yes  * CRIT Through switching method Yes  * SATP server No  * PROFINET tol diagnosis Yes  * PROFINET tol diagnosis Yes  * PROFINET colornity class  * emultiport mirroring Yes  * product function / sextch-managed Yes  * PROFINET colornity class  * emultiport mirroring No  * Telenet Yes  * HTTP  * HT		
and the second s	• note	
maximum protection class IP IP20  design, dimensions and weights  design  design  design  from the protection of the protection of the protection class IP IP20  design dimensions and weights  footnote teature / conformal coating  material / of the enclosure  fastering method  a 35 mm top hat DIN rail mounting  a wail mounting  a vail mounting  a variance in a footnot in a conting in a variance in a conting in a contin	relative humidity	
protection class IP design, dimensions and weights design	• at 25 °C / without condensation / during operation /	95 %
design compact width 60 mm height 147 mm deepth 125 mm net weight 0.54 kg product feature / conformal costing No material / of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastening method 9.3 km mb pat DIN rail mounting Yes eval mounting Yes e. S7-300 rail mounting Yes exacacting in the case of a redundant ring / a traconfiguration time of e-Q-32. cascading in cases of star topology any (depending only on signal propagation time) product feature / QoS according to DSCP Yes product feature / QoS according to DSCP Yes product feature   e. Cut Through switching method No e. Store & Forward switching method Yes product function / GoS according to DSCP Yes e. Cut Through switching method Yes e. Cut Through switching method Yes e. Cut Yes		
design compact width 60 mm height 147 mm depth 125 mm net weight 0.54 kg product feature / conformal coating No material / of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastering method 9.35 mm top hat DIN rail mounting Yes 9.57-1500 rail rail rail rail rail rail rail rail	·	IP20
width beight 147 mm beight 147 mm depth 125 mm net weight 0.54 kg product feature / conformal coating No material / of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastening method		
height   147 mm     depth   125 mm     net weight   0.54 kg		•
depth   125 mm   net weight   0.54 kg   product feature / conformal coating   No   No   No   No   No   No   No   N		
net weight product feature / conformal coating No Material / Of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastening method  * 35 mm top hat DIN rail mounting Yes * wall mounting Yes * S7-300 rail mounting Yes * S7-300 rail mounting Yes * S7-300 rail mounting Yes * S7-3100 rail mounting Yes * S7-5100 rail mounting Yes * S7-3100 rail mounting / at reconfiguration time of in-0-33-s * Cascading in the case of a redundant ring / at reconfiguration time of in-0-33-s * Cascading in cases of star topology any (depending only on signal propagation time) * Product function / OsS according to DSCP * Yes * Store & Forward switching method Yes * Store & Forward switching method Yes * Store & Forward switching method Yes * Product functions / management, configuration, engineering * Product functions / management, configuration, engineering * Yes * TRAPs via email Yes * CLI Yes * Web-based management Yes * MIB support Yes * TRAPs via email Yes * Configuration with STEP 7 Yes * SMTP server No * SMTP server No * SMTP server No * SMTP server No * PROFINET IO diagnosis Yes * PROFINET IO diagnosis Yes * PROFINET IO diagnosis Yes * PROFINET Conformity class * B * network load class / according to PROFINET 3 * product function / switch-managed * Yes * telegram length / for Ethernet / maximum * 10240 byte * protocol / is supported * Telnet * HTTP *	-	
product feature / conformal coating material / of the enclosure fastering method  • 35 mm top hat DIN rail mounting • wall mounting • S7-1500 rail mou		
material / of the enclosure fastening method  • 35 mm top hat DIN rail mounting  • 35 mm top hat DIN rail mounting  • 57-300 rail mounting  product fastures, product functions, product components / general  cassading in the case of a redundant ring / at reconfiguration time of \( \cdot \) 0.3\( \cdot \cdo	·	*
fastening method  * 35 mm top hat DIN rail mounting  * ves  * vall mounting  * 57-300 rail mounting  * 57-300 rail mounting  * 57-300 rail mounting  * yes  * 57-1500 rail mounting  * yes  * 57-1500 rail mounting  * yes  * sort features, product functions, product components / general  cascading in the case of a redundant ring / at reconfiguration time of <i-0.3'-s &="" *="" 10240="" 3="" 7="" according="" b="" bootp="" byte="" cascading="" cases="" class="" configuration="" conformity="" cut="" diagnosis="" dscp="" email="" ethernet="" for="" forward="" function="" functions="" http="" httpf="" https="" in="" io="" length="" load="" management="" maximum="" method="" mib="" network="" no="" no<="" of="" or="" product="" profinet="" qos="" rmon="" server="" smtp="" star="" step="" store="" support="" switch-managed="" switching="" td="" telegram="" telnet="" through="" to="" topology="" traps="" via="" with="" yes=""><td>· •</td><td></td></i-0.3'-s>	· •	
* 35 mm top hat DIN rail mounting     * wall mounting     * S7-300 rail mounting     * S7-300 rail mounting     * S7-1500 rail mounting     * S7-200 rail mounting     * S0-200 rail mounting     * S7-200 rail mounting     * S0-200 rail mounting		Polycarbonate (PC-GF10) / pressure die cast aluminum
• wall mounting     • S7-300 rail mounting     • S7-300 rail mounting     • S7-300 rail mounting     • S7-1500 rail mounting     • S0-1500 rail mounting     • S0-150	· ·	V
S7-300 rall mounting S7-1500 rall mounting Yes Yes  S7-1500 rall mounting Yes  roduct features, product functions, product components / general  cascading in the case of a redundant ring / at reconfiguration time of <\(^{-}0.3\) -s  cascading in cases of start topology  product function / QoS according to DSCP  Yes  product function / QoS according to DSCP  Yes  product function / Wes  product functions / management, configuration, engineering  product function  CLI Yes  NB support  NB support  NB support  TRAPs via email  Configuration with STEP 7  NBMON  SMTP server  NO  SMTP server  PROFINET IO diagnosis  PROFINET IO diagnosis  PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  product function / sysported  Telenet  Yes  HTTP  HTTP  Yes  BOOTP  No		
• \$7-1500 rail mounting Yes  product features, product functions, product components / general  cascading in the case of a redundant ring / at reconfiguration inten of <10-0.3h =   cascading in cases of star topology any (depending only on signal propagation time)  product function / QoS according to DSCP Yes  product feature  • Cut Through switching method No  • Store & Forward switching method Yes  product functions / management, configuration, engineering  product function  • CLI Yes  • Web-based management Yes  • MIB support Yes  • ITRAPS via email Yes  • Configuration with STEP 7 Yes  • RMON Yes  • SMTP server No  • port mirroring Yes  • multiport mirroring Yes  • PROFINET IO diagnosis Yes  PROFINET Conformity class B  network load class / according to PROFINET 3  product function / switch-managed Yes  telegram length / for Ethernet / maximum 10240 byte  • Telnet  • HTTP  • HTTPS  • Yes  • TETP  • BOOTP	•	
product features, product functions, product components / general  cascading in the case of a redundant ring / at reconfiguration time of < < 0.3 \ ~s  cascading in cases of star topology  product function / QoS according to DSCP  yes  product function / QoS according to DSCP  product feature  • Cu It Through switching method • Store & Forward switching method • Store & Forward switching method  • CUI  • Web-based management, configuration, engineering  product function  • CUI  • Web-based management • Yes • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • COS • PROFINET IO diagnosis  PROFINET conformity class  network load class / according to PROFINET  product function / sysupported • Teinet • HTTP • HTTPS • Yes • HTTP • HTTPS • TETP • BOOTP	•	
cascading in the case of a redundant ring / at reconfiguration time of <1-0.31-s cascading in cases of star topology product function / QoS according to DSCP product functions / management over some start of the control of the c	5	
time of <\-0.3\-s cascading in cases of star topology product function / QoS according to DSCP  product feature  • Cut Through switching method • Store & Forward switching method • Store & Forward switching method • CLI  product functions / management, configuration, engineering  product functions / management • CLI • web-based management • MIB support • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • COS • PROFINET IO diagnosis  PROFINET Conformity class network load class / according to PROFINET  product function / switch-managed • telegram length / for Ethernet / maximum  protocool / is supported • Telnet • HTTP • HTTPS • TETP • BOOTP		
product function / QoS according to DSCP product feature  • Cut Through switching method • Store & Forward switching method • Store & Forward switching method  • CLI  product functions / management, configuration, engineering  product function  • CLI  • web-based management  • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • port mirroring • multiport mirroring • COS • PROFINET IO diagnosis  PROFINET conformity class network load class / according to PROFINET  product function / switch-managed  • telegram length / for Ethernet / maximum  protocol / is supported • Telnet • HTTP • HTTPS • Yes • IFTP • BOOTP		50
product feature  • Cut Through switching method • Store & Forward switching method • Tender of Store & Forward switching method • Store & Forward switching method • CLI • Ves • Web-based management • CLI • Wes-based management • Yes • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • No • SMTP server • No • port mirroring • multiport mirroring • Wes • PROFINET IO diagnosis PROFINET conformity class network load class / according to PROFINET  product function / switch-managed • telegram length / for Ethernet / maximum  protocol / is supported • Telnet • HTTP • HTTPS • Yes • BOOTP	cascading in cases of star topology	any (depending only on signal propagation time)
Cut Through switching method Store & Forward switching method Yes  Product functions / management, configuration, engineering  product function  CLI Yes  web-based management Yes  MiB support TRAPs via email configuration with STEP 7 Yes  RMON SMTP server  port mirroring multiport mirroring Yes  PROFINET IO diagnosis PROFINET IO diagnosis PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed Yes  telegram length / for Ethernet / maximum  protocol / is supported  Telnet  HTTP Yes  TFTP  HTTPS Yes  FFTP  BOOTP  No	product function / QoS according to DSCP	Yes
Store & Forward switching method  product functions / management, configuration, engineering  product function  CLI  web-based management  MIB support  TRAPs via email  configuration with STEP 7  RMON  SMTP server  port mirroring  COS  PROFINET IO diagnosis  PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  Telnet  HTTP  HTTP  HTTP  HTTPS  TEN  POS  PROFINE  PR	product feature	
product function / management, configuration, engineering  product function  CLI  web-based management  Yes  MIB support  TRAPs via email  configuration with STEP 7  RMON  SMTP server  port mirroring  COS  PROFINET IO diagnosis  PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  HTTP  HTTP  HTTP  HTTP  HTTP  HTTP  PODOTE  BOOTP	Cut Through switching method	No
product function         • CLI         Yes           • web-based management         Yes           • MIB support         Yes           • TRAPs via email         Yes           • configuration with STEP 7         Yes           • RMON         Yes           • SMTP server         No           • port mirroring         Yes           • multiport mirroring         Yes           • PROFINET IO diagnosis         Yes           PROFINET conformity class         B           network load class / according to PROFINET         3           product function / switch-managed         Yes           telegram length / for Ethernet / maximum         10240 byte           protocol / is supported         Yes           • Telnet         Yes           • HTTP         Yes           • HTTP         Yes           • TFTP         Yes           • TFTP         Yes           • BOOTP         No	Store & Forward switching method	Yes
CLI  web-based management  Yes  MIB support  TRAPs via email  configuration with STEP 7  RMON  SMTP server  port mirroring  multiport mirroring  Cos  PROFINET IO diagnosis  PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  Telnet  Telnet  HTTP  HTTP  HTTP  HTTPS  SYES  PROFIP  BOOTP  No	product functions / management, configuration, engineering	
web-based management     MIB support     TRAPs via email     Configuration with STEP 7     RMON     SMTP server     No     port mirroring     Yes     multiport mirroring     Yes     PROFINET IO diagnosis  PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported      Telnet     HTTP     HTTPS     Yes     SMON     Yes     Yes     TFTP     No  Mo  Yes  Yes  Yes  Yes  Yes  Yes  No  No	product function	
MIB support     TRAPs via email     Configuration with STEP 7     RMON     SMTP server     No     port mirroring     Yes     multiport mirroring     Yes     PROFINET IO diagnosis     PROFINET conformity class     network load class / according to PROFINET     product function / switch-managed     telegram length / for Ethernet / maximum     Telnet     Telnet     HTTP     HTTPS     TFTP     BOOTP	• CLI	Yes
<ul> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>SMTP server</li> <li>No</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> <li>PROFINET conformity class</li> <li>network load class / according to PROFINET</li> <li>product function / switch-managed</li> <li>telegram length / for Ethernet / maximum</li> <li>Telnet</li> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>No</li> </ul>	web-based management	Yes
configuration with STEP 7  RMON SMTP server No port mirroring Yes multiport mirroring Yes CoS PROFINET IO diagnosis Yes PROFINET conformity class network load class / according to PROFINET product function / switch-managed Yes telegram length / for Ethernet / maximum  Telnet HTTP HTTPS HTTPS TFTP BOOTP No	MIB support	Yes
	TRAPs via email	Yes
<ul> <li>SMTP server</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> <li>PROFINET conformity class</li> <li>network load class / according to PROFINET</li> <li>product function / switch-managed</li> <li>telegram length / for Ethernet / maximum</li> <li>protocol / is supported</li> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>No</li> </ul>	• configuration with STEP 7	Yes
<ul> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>Yes</li> <li>PROFINET IO diagnosis</li> <li>Yes</li> <li>PROFINET conformity class</li> <li>B</li> <li>network load class / according to PROFINET</li> <li>product function / switch-managed</li> <li>telegram length / for Ethernet / maximum</li> <li>protocol / is supported</li> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>Yes</li> <li>No</li> </ul>	• RMON	Yes
<ul> <li>multiport mirroring</li> <li>CoS</li> <li>Yes</li> <li>PROFINET IO diagnosis</li> <li>Yes</li> </ul> PROFINET conformity class <ul> <li>B</li> <li>network load class / according to PROFINET</li> <li>product function / switch-managed</li> <li>telegram length / for Ethernet / maximum</li> <li>10240 byte</li> </ul> protocol / is supported <ul> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>HTTPS</li> <li>TETP</li> <li>BOOTP</li> </ul> No	SMTP server	No
	port mirroring	Yes
<ul> <li>◆ PROFINET IO diagnosis</li> <li>PROFINET conformity class</li> <li>network load class / according to PROFINET</li> <li>product function / switch-managed</li> <li>telegram length / for Ethernet / maximum</li> <li>protocol / is supported</li> <li>◆ Telnet</li> <li>◆ HTTP</li> <li>◆ HTTPS</li> <li>◆ HTTPS</li> <li>◆ TFTP</li> <li>◆ BOOTP</li> <li>No</li> </ul>	multiport mirroring	Yes
PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed  Yes  telegram length / for Ethernet / maximum  protocol / is supported  • Telnet  • HTTP  • HTTPS  • TFTP  • BOOTP  BOOTP	• CoS	Yes
network load class / according to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  10240 byte  protocol / is supported  • Telnet  • HTTP  • HTTPS  • TFTP  • BOOTP  No	PROFINET IO diagnosis	Yes
product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  • Telnet  • HTTP  • HTTPS  • TFTP  • BOOTP  Product function / switch-managed  Yes  Yes  Yes  Yes  Yes  Yes  Yes  No	·	
telegram length / for Ethernet / maximum  protocol / is supported  • Telnet  • HTTP  • HTTPS  • HTTPS  • TFTP  • BOOTP  10240 byte  Yes  Yes  Yes  Yes  Yes  No	·	
protocol / is supported           • Telnet         Yes           • HTTP         Yes           • HTTPS         Yes           • TFTP         Yes           • BOOTP         No		
<ul> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>Yes</li> <li>Yes</li> <li>No</li> </ul>		10240 byte
<ul> <li>HTTP</li> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>Yes</li> <li>Yes</li> <li>No</li> </ul>	· · · · · · · · · · · · · · · · · · ·	
<ul> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>Yes</li> <li>Yes</li> <li>No</li> </ul>		
• TFTP Yes • BOOTP No		
• BOOTP No		
• GMRP		
	• GMRP	Yes
• DCP Yes		
• LLDP Yes		
• EtherNet/IP Yes		
• SNMP v1 Yes	SNMP v1	
• SNMP v2 Yes		
• SNMP v3 Yes		Yes
• IGMP (snooping/querier)  Yes	• SNMP v2 • SNMP v3	Yes

identification & maintenance function	
• I&M0 - device-specific information	Yes
<ul> <li>I&amp;M1 - higher level designation/location designation</li> </ul>	Yes
product functions / diagnostics	
product function	
<ul> <li>port diagnostics</li> </ul>	Yes
statistics Packet Size	Yes
statistics packet type	Yes
error statistics	Yes
<ul><li>SysLog</li></ul>	Yes
product functions / VLAN	
product function	
<ul> <li>VLAN - port based</li> </ul>	Yes
<ul> <li>VLAN - protocol-based</li> </ul>	No
VLAN - IP-based	No
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby	257
link)	
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
DHCP server	Yes
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	Yes
product functions / redundancy	
product function	
of the PROFINET IO device / is supported / PROFINET     referenced and an artistic formatter and artistic formatter a	Yes
system redundancy	V
• ring redundancy	Yes
High Speed Redundancy Protocol (HRP)  high speed Redundancy Proto	Yes
<ul> <li>high speed redundancy protocol (HRP) with redundancy manager</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with standby</li> </ul>	Yes
redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul> <li>media redundancy protocol (MRP) with redundancy</li> </ul>	Yes
manager	V
Media Redundancy Protocol Interconnection (MRP-I)      Aftha RROUNDET IO device / is suggested (III Company).	Yes
<ul> <li>of the PROFINET IO device / is supported / H-Sync forwarding</li> </ul>	Yes
redundancy procedure STP	Yes
redundancy procedure STP      redundancy procedure RSTP	Yes
redundancy procedure RSTP+	Yes
redundancy procedure MSTP	Yes
Parallel Redundancy Protocol (PRP)/operation in the	Yes
PRP-network	
<ul> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	No
passive listening	Yes
protocol / is supported	
• 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	
SICLOCK support	Yes
NTP-client	Yes
SNTP client	Yes
	Tes
protocol / is supported	Von
• NTP	Yes
• SNTP	Yes
IEEE 1588 profile default	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	Yes
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MTBF	37 a
reference code	
• according to IEC 81346-2	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	
<ul> <li>for EMC interference emission</li> </ul>	EN 61000-6-4, EN 50121-15
• 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
	II 3 G Ex ec IIC T4 Gc
• IECEx	Yes
for IECEx / as marking	Ex ec IIC T4 Gc
CCC / for hazardous zone according to GB standard	Yes
CCC / for hazardous zone according to GB standard / as	Ex nA IIC T4 Gc
marking	EXIX III T T GG
• for cULus HazLoc / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
FM registration	Yes; FM Class 3600:2018, FM Class 3611:2021, FM Class 3810:2021,
·	ANSI/UL 121201:2017, ANSI/UL 61010-1:2018
<ul><li>for FM / as marking</li></ul>	CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C
standards, specifications, approvals / other	
certificate of suitability	
KC approval	Yes
<ul> <li>railway application in accordance with EN 50121-4</li> </ul>	Yes
Regulatory Compliance Mark (RCM)	Yes
• for UL 61010-2-201 / as File Nr.	E85972 (NRAQ, NRAQ7)
• EAC approval	Yes
standards, specifications, approvals / Environmental Product De	
Environmental Product Declaration	Yes
Environmental i Toddet Decidiation	160
Clobal Warming Potential ICO2 act / total	401.2 kg
Global Warming Potential [CO2 eq] / total     Global Warming Potential [CO2 eq] / during	491.2 kg
<ul> <li>Global Warming Potential [CO2 eq] / during manufacturing</li> </ul>	52.28 kg
Global Warming Potential [CO2 eq] / during operation	438.3 kg
<ul> <li>Global Warming Potential [CO2 eq] / during operation</li> <li>global warming potential [CO2 eq] / after end of life</li> </ul>	438.3 kg 0.62 ka
• global warming potential [CO2 eq] / after end of life	438.3 kg 0.62 kg
global warming potential [CO2 eq] / after end of life accessories	0.62 kg
global warming potential [CO2 eq] / after end of life     accessories     product extension / optional / C-PLUG	•
global warming potential [CO2 eq] / after end of life accessories product extension / optional / C-PLUG further information / internet links	0.62 kg
global warming potential [CO2 eq] / after end of life accessories  product extension / optional / C-PLUG further information / internet links internet link	0.62 kg Yes
global warming potential [CO2 eq] / after end of life accessories  product extension / optional / C-PLUG further information / internet links internet link     to web page: selection aid TIA Selection Tool	0.62 kg  Yes  http://www.siemens.com/tia-selection-tool
global warming potential [CO2 eq] / after end of life accessories product extension / optional / C-PLUG further information / internet links internet link     to web page: selection aid TIA Selection Tool     to website: Industrial communication	0.62 kg  Yes  http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net
global warming potential [CO2 eq] / after end of life accessories  product extension / optional / C-PLUG further information / internet links internet link     to web page: selection aid TIA Selection Tool	0.62 kg  Yes  http://www.siemens.com/tia-selection-tool

• to website: Image database

• to website: CAx-Download-Manager

• to website: Industry Online Support

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, 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-ofthe-art industrial security 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 security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. 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 Security RSS Feed under https://www.siemens.com/cert. (V4.6)

Approvals / Certificates

**General Product Ap**proval

For use in hazardous locations

**Declaration of Con**formity

**Miscellaneous** 

ATEX-Zone 2-Declaration



<u>FM</u>

CCC-Ex



**Declaration of Con-**

other

**Environment** 



PROFINET-Certification



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10/27/2023

