SIEMENS

Data sheet

6GK5208-0GA00-2TC2



SCALANCE XC208G (E/IP) managed Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100/1000 Mbps RJ45 ports; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant C-plug slot; Default EtherNet/IP

Fig	gure	sim	nilar

product type designation	SCALANCE XC208G (E/IP def.)		
transfer rate			
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s		
interfaces / for communication / integrated			
number of electrical connections			
 for network components or terminal equipment 	8; RJ45		
number of 10/100/1000 Mbit/s RJ45 ports / integrated			
 with securing collar 	8		
interfaces / other			
number of electrical connections			
 for operator console 	1		
 for signaling contact 	1		
for power supply	1		
type of electrical connection			
 for operator console 	RJ11		
 for signaling contact 	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			
• at DC / maximum	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		
 supply voltage / 1 / rated value 	24 V		
 power loss [W] / 1 / rated value 	4.3 W		
 consumed current / 1 / at rated supply voltage / maximum 	0.26 A		
 supply voltage / 1 / rated value 	9.6 31.2 V		
 consumed current / 1 / maximum 	0.36 A		
 type of electrical connection / 1 / for power supply 	4-pole terminal block		
 product component / 1 / fusing at power supply input 	Yes		
ambient conditions			
ambient temperature			

during operation	-40 +70 °C
during storage	-40 +85 °C
during storage during transport	-40 +85 °C
relative humidity	
• at 25 °C / without condensation / during operation /	95 %
maximum	
protection class IP	IP20
design, dimensions and weights	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.52 kg
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
• S7-1500 rail mounting	Yes
product features, product functions, product components	s / general
cascading in the case of a redundant ring / at	50
reconfiguration time of <\~0.3\~s	
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, engineeri	ing
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
• CoS	Yes
 PROFINET IO diagnosis 	Yes
PROFINET conformity class	В
network load class / acc. to PROFINET	3
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	10240 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

 I&M1 – higher level designation/location designation 	Yes
product functions / diagnostics	
product function	
port diagnostics	Yes
statistics Packet Size	Yes
 statistics packet type 	Yes
error statistics	Yes
• SysLog	Yes
product functions / VLAN	
product function	
VLAN - port based	Yes
VLAN - protocol-based	No
VLAN - IP-based	No
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
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 /	Yes
PROFINET system redundancy	
ring redundancy	Yes
High Speed Redundancy Protocol (HRP)	Yes
 high speed redundancy protocol (HRP) with redundancy manager 	Yes
 high speed redundancy protocol (HRP) with standby redundancy 	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
 media redundancy protocol (MRP) with redundancy manager 	Yes
 Media Redundancy Protocol Interconnection (MRP- I) 	Yes
 of the PROFINET IO device / is supported / H-Sync forwarding 	Yes
 redundancy procedure STP 	Yes
 redundancy procedure RSTP 	Yes
 redundancy procedure RSTP+ 	Yes
 redundancy procedure MSTP 	Yes
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	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 function Yes • SIRL OK support Yes • NTP-client Yes • NTP-client Yes • NTP-client Yes • SIRL OK support Yes • SIRT P Yes • SIRT P Yes • SIRT P Yes system modification during operation Yes product function configuration in RN via CRFH-CIR Yes If advardy for hotstral whometon systems / according to Yes If advards / product function (advards apecification during operation) KF reference code • according to EC 81346-2 KF • according to E	product functions / time	
 SICLOCK support NTP SiCLOCK support NTP SiCLOCK support NTP Yes STRT Yes Yes Product function / configuration in RUN via CIPH-CIR Yes Yes		
• SNTP clent Yes • SNTP clent Yes • NTP Yes • NTP Yes • SNTP Yes • Social Status Yes • Social Status Yes • Social Status KF • acc. In EC 81346-2 KF • according to EMC guideline 2014/30/EU standard For EMC Indeference emission EN 61000-64-E. EN 50121-11 • for EMC Indeference emission EN 61000-64-E. EN 50121-11 • for ATEX / as marking Yes; EN 80079-0, EN 60079-15 • for ATEX / as marking Yes; EN 80079-0, EN 60079-15<		Yes
• SNTP dent Yes protocol // is supported • NTP • NTP Yes ystem modification during operation Yes product function / configuration in RUM via CIRH-CIR Yes trandards, specifications, approvals Tescuity for industrial automation systems / according to EIC 62443-42-2019 MTDF 54 y reference code • acc. to EIC 61346-2 • acc. to EIC 61346-2 KFE • according to EIC 31464-22019 KFE thandards, specifications, approvals / CE Centificate of suitability / CE marking • for EMC interference emission 2014/30/EU standard EN 61000-6-2, EN 50121-4 • for FMC interference emission EN 61000-6-2, EN 50121-4 • for ATEX / as cartificate Yes; EN 80079-0, EN 60079-15 • for ATEX / as cartificate Yes; EN 80079-0, EN 60079-15 • for ATEX / as cartificate Yes; EN 80079-0, EN 60079-15 • for ATEX / as cartificate Yes; EN 80079-0, EN 60079-15 • for ATEX / as cartificate Yes; EN 80079-0, EN 60079-15 • for ATEX / as marking CL1, DV2, Group A.B,C,D T4, CL1, Zone 2, Group IC, T4 • For ALU		
protocol // is supported Yes • NTP Yes • SNTP Yes system modification during top eration Yes product function/configuration in RUN via CRM-CR Yes If accurity for industrial automation systems / according to Fee If accurity for industrial automation systems / according to Yes If accurity for industrial automation systems / according to Fee • according to IC B 1346-2 KF • according to EMC-guideline 2014/30/EU standard • for IMC Interference emission EN 61000-64, EN 50/121-11 • for IMC Interference emission EN 61000-64, EN 50/079-15 In 3 G Ex nA II 74 Ge • for ATEX / as marking Yes Yes Yes • for ICECEx / as earding Ex nA II 74 Ge EC AD 74 CL 1, Zone 2, Group IIC, T4 E20-480 (NWHE / NOTEX) • for CLUs Hazboc / as marking Yes CL 1, DV/2, Group A, B, C, D T4, CL 1, Zone 2, Group IIC, T4 E20-480 (NWHE / NWHE / NWHE / NVE / NVE		
• NP Yes • SNTP Yes system modification during operation Yes product functor' configuration in RUN via CRH-CR Yes standards, specifications, approvals Yes IT security for industrial automation systems / according to IEC 62443-2219 Yes MTBF 54 y reference code 64 y • according to IEC 81346-22019 KFE standards, specifications, approvals / CE 2014/30/EU product conference via the interview of th		
SNTP Yes system modification during operation product function / configuration in RUN via CR74-C/R Yes standards, specifications, approvals Tescury for industrial automation systems / according to IEC 62443-42-2019 KF reference code acc. to IEC 81346-2 KF reference code Standard for IEC 81346-2 KF reference code Standard for IEC 81346-2 KF reference code Standard for IEC 81346-2 KF reference code for ATEX / as confinate FN FIO 625 / as marking for cILLus Hazico / as marking for cILLus Hazico / as FIR Nr FN registration for FM / as anarking for cILLus Hazico / as FIR Nr FN registration for FM / as confinate for FM / as confinate for IEC 82 / as FIR NR FN registration for FM / as confinate for IEC 82 / as FIR Nr FN registration for FM / as confinate for IEC 82 / as FIR Nr FN registration for FM / as confinate for IEC 82 / as FIR Nr FN registration for FM / as confinate for IEC 82 / as FIR Nr FN registration for FM / as confinate for IEC 82 / as FIR Nr FN registration for FM / as confinate for U		Voc
system modification during operation product functor / configuration in RUN via CRH-CR field automation systems / according to IT security for industrial automation systems / according to IEC 62443-42 2019 MTDF reference code		
product function / configuration in RUN via CIR/H-CIR Yes standards, specifications, approvals Yes IT security for industrial automics systems / according to IEC 6243-42-2019 Yes intervence code KF • accc bit2 81346-2 KF • accc bit2 81346-2 KF conflicted of suitability / CE marking Yes product conformity according to EMC-guideline 2014/30/EU standards, appecifications, approvals / NEC-guideline 2014/30/EU standards, appecifications, approvals / hazardous environments EN 6100-64. EN 50121-11 • for IMCIN interference emission EN 6100-64. EN 50121-11 • for ATEX / as certificate Yes; 2011/85/EU standards, specifications, approvals / hazardous environments CEC / Nor ATEX / as certificate • for ATEX / as certificate Yes; EN 60079-0, IEC 6007		
standards, specifications, approvals Yes IT security for industry according to ECo 2243 4-22019 Yes IMTBF 54 y reference code sec. to IEC 81346-2 KF exoc. to IEC 81346-2 KF standards, specifications, approvals / CE 2014/30/EU continues of the MC interference emission EN 61000-64. EN 50121-11 • for EMC interference emission EN 61000-64. EN 50121-11 • for EMC interference emission EN 61000-64. EN 50121-11 • for EMC interference emission EN 61000-64. EN 50121-14 reatificate of suitability / RoHS conformity Yes: EN 60079-0, EN 60079-0, EN 60079-15 • for IECEX /a samaking H 3 G Ex nAl IT 4 G • for IECEX /a samaking H 3 G Ex nAl IT 4 G • for IECEX /a samaking EEX Na IT 14 G • for IECEX /a samaking EEX Na IT 14 G • for CULUS Hactor / as File Nr. EEX Na IT 14 G • for CULUS Hactor / as File Nr. EEX Na IT 14 G • for FM / as marking File ICEX /a sa softicate • for FM / as cartificate File ICEX /a sa softicate • for FM / as cartificate File ICEX SIG SIG III (S, Group HIC, T4 • for FM / as cartificate F		Ver
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standards, specifications, approvals / CE certificate of suitability / CE marking Yes product contromity / according to EMC-guideline 2014/30/EU standard EN 61000-64, EN 50121-11 • for immunity to EMC EN 61000-64, EN 50121-14 certificate of suitability Yes; 2011/65/EU standards, specifications, approvals / hazardous environments Yes; EN 60079-0, EN 60079-15 certificate of suitability If 3 G Ex n AII T4 Gc i for ATEX / as marking If 3 G Ex n AII T4 Gc i for IECEx / as marking If 3 G Ex n AII T4 Gc i for IECEx / as marking EX n AII T4 Gc i for IECEx / as certificate IECEX i for IECEx / as certificate IECEX Ves; IEC 60079-0, IEC		
certificate of suitability / CE marking Yes product conformity / according to EMC-guideline 2014/30/EU standard EN 61000-6-4, EN 50121-11 • for EMC Interference emission EN 61000-6-4, EN 50121-11 • for immunity to EMC EN 61000-6-4, EN 50121-41 certificate of suitability / NetRS conformity Yes; EN 60079-0, EN 60079-15 standards, specifications, approvals / hazardous environments Yes; EN 60079-0, EN 60079-15 certificate of suitability / ATEX Yes; EN 60079-0, EN 60079-15 • for ATEX / as certificate KEMA 07ATEX/145 X • ECEX Yes; EC 60079-0, EC 60079-15 • for IECEX / as certificate EXAN II T4 Gc • for clLus HazLoc / as marking ECEX DEX 14.0025X • for clLus HazLoc / as marking CL1, DIV2, Group A, B, C, D T4, CL1, Zone 2, Group IIC, T4 • for clLus HazLoc / as marking CL1, DIV2, Group A, B, C, D T4, CL1, Zone 2, group IIC, T4 • for FM / as certificate FM16US0205X standards, specifications, approvals / other Cut1, DIV2, group A, B, C, D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C • for FM / as certificate FM16US0205X standards, specifications, approvals / other EES972 (NRAQ, NRAQ7) • for H / as marking FM16US0205X standards, specifications, approvals / other EES972 (NRAQ, NRAQ7) • for L 06996-1 / as F	5	KFE
product conformity / according to EMC-guideline 2014/30/EU standard EN 61000-6-4, EN 50121-11 • for EMC interference emission EN 61000-6-2, EN 50121-4 • certificate of suitability / RoHS conformity Yes; 2011/65/EU standardS, spocifications, approvals / hazardous environments certificate of suitability Yes; EN 60079-0, EN 60079-15 • for ATEX / as certificate KEMA 07ATEX0145 X • for ATEX / as certificate KEMA 07ATEX0145 X • for IECEX / as certificate KEMA 07ATEX0145 X • for IECEX / as certificate KEMA 07ATEX0145 X • for IECEX / as certificate KEMA 07ATEX0145 X • for OLLus HazLoc / as marking IECEX DEX 14.0025X • for oLLus HazLoc / as File Nr. Yes; EM 60305.00, T4, CL1, Zone 2, Group IIC, T4 • for FM / as certificate FMTegistration • for FM / as certificate FMIE050205X *fandards, specifications, approvals / other CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C • for FM / as certificate FMIE050205X *fandards, specifications, approvals / other FMIE050205X *fandards, specifications, approvals / other FMIE050205X		
standard • or EWC interference emission EN 61000-64, EN 50121-11 • for EMC interference emission EN 61000-64, EN 50121-4 • certificate of suitability / RoHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments certificate of suitability • For ATEX / as marking • for ATEX / as certificate EX EMA 074-EX 045 X • for ATEX / as marking II 3 G Ex nA II 74 Gc • for ECEX / as marking III 3 G Ex nA II 74 Gc • for IECEX / as marking III 2 G Ex nA II 74 Gc • for IECEX / as marking III 2 G Ex nA II 74 Gc • for CULus HazLoc / as marking III 2 G Ex nA II 74 Gc • for CULus HazLoc / as marking III 2 G Ex nA II 74 Gc • for CULus HazLoc / as marking III 2 G Ex nA II 74 Gc • for CULus HazLoc / as marking III 2 G VMVHP, NVHP7) • for FM / as cartificate EX 4040 (NVHP, NVHP7) • for FM / as cartificate FM III 0 S0002011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 standards, specifications, approvals / other CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C + 70 °C • for FM / as cartificate FM III 0 S00205X standards, specifications, approvals / other Ex		
• for EMC interference emission EN 61000-6-4, EN 50121-11 • for immunity to EMC EN 61000-6-2, EN 50121-4 certificate of suitability / ReHS conformity Yes; 2011/65/EU standards, specifications, approvals / hazardous environments Extenderds certificate of suitability / ReHS conformity Yes; EN 60079-0, EN 60079-15 • for ATEX / as marking II 3 G Ex nA II 74 Gc • for ATEX / as certificate KEMA 07ATEX0145 X • for IECEX / as marking Ex nA II 74 Gc • for IECEX / as marking Ex nA II 74 Gc • for IECEX / as marking Ex nA II 74 Gc • for IECEX / as marking Ex nA II 74 Gc • for IECEX / as marking Ex nA II 74 Gc • for IECEX / as marking CL1, DIV2, Group A, B, C, D 74, CL1, Zone 2, Group IIC, T4 • for cULus HazLoc / as marking CL1, DIV2, Group A, B, C, D 74, CL1, Zone 2, group IIC, T4 • for CULus HazLoc / as File Nr. E240480 (NWHP, NWHP7) • for FM / as certificate FM registration • for FM / as certificate FM registration • for Hore of suitability Yes certificate of suitability Yes standards, specifications, approvals		2014/30/EU
• 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 corriticate of suitability orriticate of suitability Yes; EN 60079-0, EN 60079-15 i for ATEX / as marking II 3 G Ex Al IT 4 Gc i For ATEX / as certificate KEMA 07ATEX0145 X i For IECEX / as marking EX rAl IT 4 Gc i For OFLOEX / as certificate KEMA 07ATEX0145 X i For ofLoeX / as marking ECEx DEX 14.0025X i For ofLoe HazLoc / as marking ECEX DEX 14.0025X i For ofLus HazLoc / as marking C11, DIV2, Group AB, C, D T4, CL1, Zone 2, Group IIC, T4 i For ofLus HazLoc / as File Nr. E240490 (NWHP, NWHP7) i FM registration Yes; FM class 36010-12004 i for H/ as marking C11, DIV2, group A, B, C, D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C i for FM / as certificate FM 16US0205X standards, specifications, approvals / other Eetificate of approval certificate of suitability Yes i for UL 6010-2-201 / as File Nr. E85972 (NRAQ, NRAQ7) i for UL 6050-1 / as File Nr. E9592 (NRAQ, NRAQ7)		
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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 • for ATEX / as certificate Yes; IEC 60079-0, IEC 60079-15 • for IECEX / as marking Ex nA II T4 Gc • for IECEX / as certificate IECEX DEK 14.0025X • for cULus HazLoc / as marking CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 • for cULus HazLoc / as marking CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 • for cULus HazLoc / as marking CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C • for FM / as marking CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C • for FM / as certificate FM16US0205X standards, specifications, approvals / other Certificate of suitability • railway application in accordance with EN 50121-4 Yes • for UL 61010-2:201 / as File Nr. E55972 (NRAQ, NRAQ7) • for UL 61010-2:201 / as File Nr. E15352 (NVQQ, NVGQ7) • For UL 60050 / / as File Nr. E15352 (NVQQ, NVGQ7) • For UL 61010-2:201 / as File Nr. E153522 (NVQQ, NVGQ7) <td< td=""><td>for immunity to EMC</td><td>EN 61000-6-2, EN 50121-4</td></td<>	for immunity to EMC	EN 61000-6-2, EN 50121-4
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