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Data sheet

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	JUALANGL	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s	
interfaces / for communication / maximum configuration for mod		
number of electrical ports / maximum	8	
number of electrical ports / maximum number of electrical ports / with PoE / maximum	6	
interfaces / for communication / integrated	0	
number of electrical connections		
for network components or terminal equipment	8; RJ45	
number of 10/100/1000 Mbit/s RJ45 ports / integrated	0, NJ45	
with securing collar	2; 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to	
	IEEE 802.3bt (60 W)	
 with securing collar / with PoE 	6	
interfaces / other		
number of electrical connections		
 for operator console 	1	
 for signaling contact 	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	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	
 supply voltage / 1 / rated value 	54 V	
 consumed current / 1 / at rated supply voltage / maximum 	5 A	
 supply voltage / 1 / rated value 	52 57 V	
 consumed current / 1 / maximum 	5 A	
 fuse protection type / 1 / at input for supply voltage 	15 A / 125 V	
ambient conditions		
ambient temperature		

- during operation	40 ±60 °C
during operation	-40 +60 °C -40 +85 °C
during storage	-40 +85 °C
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 	95 %
protection class IP	IP20
design, dimensions and weights	
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
fastening method	
35 mm top hat DIN rail mounting	Yes
wall mounting	Yes
S7-300 rail mounting	Yes
S7-300 rail mounting S7-1500 rail mounting	Yes
0	
product features, product functions, product components / gene	50
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	
 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
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 / according 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
• SNMF v2 • SNMP v3	100
	Yes
IGMP (snooping/querier)	Yes Yes

identification & maintenance function	
identification & maintenance function	Ver
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
number of VLANs / at ring redundancy (HRP; MRP; standby link)	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 / PROFINET system redundancy 	Yes
 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
	Yes
broadcast/multicast/unicast limiter	
broadcast blocking	Yes
protocol / is supported	Vee
• SSH	Yes
• SSL	Yes

product functions / time	
product function	
SICLOCK support	Yes
NTP-client	Yes
SNTP client	Yes
protocol / is supported	
• 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 62443-4-2:2019	Yes
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	
for EMC interference emission	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
• for ATEX / as marking	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	
 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
 for FM / as marking 	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
 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)
EAC approval	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 	https://mall.industry.siemens.com
 to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
 to website: Image database 	http://automation.siemens.com/bilddb
 to website: CAx-Download-Manager 	http://www.siemens.com/cax
 to website: Industry Online Support 	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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