SIEMENS

Data sheet

6GK5206-2GS00-2AC2



SCALANCE XC206-2SFP G manageable Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 ports; 2x 1000 Mbps SFP; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall; redundancy functions; office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-PLUG slot; IEEE 1588v2 PTP

product type designation					
product brand name	SCALANCE				
product type designation	XC206-2SFP G				
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 	6; RJ45				
number of 10/100/1000 Mbit/s RJ45 ports					
with securing collar	6				
interfaces / for communication / plug-in					
number of electrical connections					
• for SFP	2				
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				
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 	6 W				
 consumed current / 1 / at rated supply voltage / maximum 	0.25 A				
 supply voltage / 1 / rated value 	9.6 31.2 V				
 consumed current / 1 / maximum 	0.5 A				
 type of electrical connection / 1 / for power supply 	4-pole terminal block				
 product component / 1 / fusing at power supply input 	Yes				
 fuse protection type / 1 / at input for supply voltage 	2.5 A/ 125 V				
ambient conditions					

- during speration 40	ambient temperature			
• during torrage 40+85 °C • eluring torrage 40+85 °C • elazve humidiy 40+85 °C • elazve humidiy 40+85 °C • elaz 5 °C / without condensation / during operation / maximum 95 %. protection class IP IP20 design (immesons and weights 00 mm design (immesons and weights 00 mm material 147 mm design (immesons and weights) 0.52 kg material / of the enclosure Polycaribonate (PC-GF10) / pressure die cast aluminum finatering method - • 35 m DIN-rail mounting Yes • 57-1500 rail mounting Yes • 757-300 rail mounting Yes • 757-300 rail mounting Yes • 757-300 rail mounting Yes • Cast Through switching method 50 • Cast Through switching method No • Cut Through switching method Yes • Cut Through switching method No • Cut Through switching method Yes • Cut Through switching method Yes • Cut Through switching method No • Cut Through switching method No • Cut Through switching method No • Cut Through switching method No <t< td=""><td>-</td><td>40 ±70 °C</td></t<>	-	40 ±70 °C		
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• at 25 °C / without condensation / during operation / maximum. 95 % protection class IP IIP20 design		-40 +65 C		
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design compact width 60 mm height 147 mm deph 125 mm net weight 0.52 kg material / of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastening method -35 mm DIN-tail mounting • 38 mm DIN-tail mounting Yes • s7-1500 rail mounting Yes product fauture 50 cascading in the case of a redundant ring / at reconfiguration faster of 4-0.3-s cascading in the case of a redundant ring / at reconfiguration for A-0.3-s cascading in the case of a redundant ring / at reconfiguration for A-0.3-s cascading in the case of a redundant ring / at reconfiguration for A-0.3-s cascading in the case of a redundant ring / at reconfiguration for A-0.3-s cascading in the case of a redundant ring / at reconfiguration for A-0.3		95 %		
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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 Pressure die cast aluminum • 05 mm DIN-rail mounting Yes • 05 mm DIN-rail mounting Yes • 05 mon Din-rail mounting Yes • 057-050 rail mounting Yes • 050 rail mounting Yes • 050 rail mounting Yes • 050 rail mounting Yes product function 50 titue of <\-0.3-*	design	compact		
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depth 125 mm net weight 0.52 kg material / of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastening method Yes • 36 nm DN-rail mounting Yes • valit mounting Yes • 37.300 rail mounting Yes • 57.1500 rail mounting Yes product factures, product components / general cascading in the case of a redundant ring / at reconfiguration time of <<0.3%-s	height	147 mm		
net weight 0.52 kg material / of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastening method Yes • vall mounting Yes • S7 of all mounting Yes • Cascading in the case of a redundant ring / at reconfiguration any (depending only on signal propagation time) product function - • Cut Through switching method No • Store & Forward switching method Yes product functions / management Yes • CL1 Yes • CL1 Yes • CL1 Yes • CL1 Yes • SMTP server No • SMTP server No • SMTP server No • SMTP server No	· · · · · · · · · · · · · · · · · · ·	125 mm		
material / of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastening method - • 55 mn DIN-rail mounting Yes • 57-300 rail mounting Yes cascading in the case of a redundant ring / at reconfiguration 50 time of <0.3-ws	net weight	0.52 kg		
• 35 mm DIN-rail mountingYes• wall mountingYes• 67-30 rail mountingYes• 57-1500 rail mountingYesproduct features, product functions, product components / general50cascading in the case of a redundant ring / at reconfiguration50time of <-0.3v-s	material / of the enclosure			
• 35 mm DIN-rail mountingYes• wall mountingYes• 67-30 rail mountingYes• 57-1500 rail mountingYesproduct features, product functions, product components / general50cascading in the case of a redundant ring / at reconfiguration50time of <-0.3v-s	fastening method			
• S7-300 rall mounting Yes • S7-1500 rall mounting Yes product features, product functions, product components / general 50 cascading in the case of a redundant ring / at reconfiguration 50 cascading in cases of star topology any (depending only on signal propagation time) product function any (depending only on signal propagation time) • Cos according to DSCP Yes product function - • Cut Through switching method No • Store & Forward switching method Yes product function - • CLI Yes product function - • CLI Yes • meb-based management Yes • TRAPs via email Yes • configuration with STEP 7 Yes • RMON Yes • SMTP sever No • ord mirroring Yes • PROFINET IO diagnosis Yes • Teinet <td></td> <td>Yes</td>		Yes		
• S7-300 rall mounting Yes • S7-1500 rall mounting Yes product features, product functions, product components / general 50 cascading in the case of a redundant ring / at reconfiguration 50 cascading in cases of star topology any (depending only on signal propagation time) product function any (depending only on signal propagation time) • Cos according to DSCP Yes product function - • Cut Through switching method No • Store & Forward switching method Yes product function - • CLI Yes product function - • CLI Yes • meb-based management Yes • TRAPs via email Yes • configuration with STEP 7 Yes • RMON Yes • SMTP sever No • ord mirroring Yes • PROFINET IO diagnosis Yes • Teinet <td>-</td> <td>Yes</td>	-	Yes		
• S7-1500 rail mounting Yes product foatures, product functions, product components / general 50 cascading in the case of a redundant ring / at reconfiguration time of <-0.3x-s	-	Yes		
product features, product functions, product components / general 50 cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\~s		Yes		
cascading in the case of a redundant ring / at reconfiguration time of <<-0.3x-s	-			
product function Yes product feature No • Cut Through switching method Yes product functions / management, configuration, engineering Yes product function Yes • CLI Yes product function Yes • CLI Yes in 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 • switch-managed Yes PROFINET confomity class B network load class / according to PROFINET 3 telegram length / for Ethernet / maximum 10240 byte protocol / is supported Yes • Teinet Yes • HTTP Yes	cascading in the case of a redundant ring / at reconfiguration			
product function Yes product feature No • Cut Through switching method Yes product functions / management, configuration, engineering Yes product function Yes • CLI Yes product function Yes • CLI Yes in 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 • switch-managed Yes PROFINET confomity class B network load class / according to PROFINET 3 telegram length / for Ethernet / maximum 10240 byte protocol / is supported Yes • Teinet Yes • HTTP Yes	cascading in cases of star topology	any (depending only on signal propagation time)		
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• Store & Forward switching method Yes product functions / management, configuration, engineering	product feature			
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 • COS Yes • PROFINET IO diagnosis Yes • switch-managed Yes PROFINET conformity class B network load class / according to PROFINET 3 telegram length / for Ethernet / maximum 10240 byte protocol / is supported Yes • HTTP Yes • HTTPS Yes	 Cut Through switching method 	No		
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• CLIYes• web-based managementYes• MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• SMTP serverNo• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum10240 byteprotocol / is supportedYes• HTTPYes• HTTPSYes	product functions / management, configuration, engineering			
web-based managementYesMIB supportYesTRAPs via emailYesconfiguration with STEP 7YesRMONYesSMTP serverNoop ort mirroringYesmultiport mirroringYesCOSYesPROFINET IO diagnosisYesswitch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum10240 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes	product function			
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• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• SMTP serverNo• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes• network load class / according to PROFINET3• telegram length / for Ethernet / maximum10240 byte• TelnetYes• TelnetYes• HTTPSYes• HTTPSYes	 web-based management 	Yes		
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• RMONYes• SMTP serverNo• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes• PROFINET conformity classB• network load class / according to PROFINET3• telegram length / for Ethernet / maximum10240 byte• TelnetYes• TelnetYes• HTTPYes• HTTPSYes	• TRAPs via email	Yes		
• SMTP serverNo• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes• PROFINET conformity classBnetwork load class / according to PROFINET31elegram length / for Ethernet / maximum10240 byte• TelnetYes• HTTPYes• HTTPSYes	 configuration with STEP 7 	Yes		
• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes• PROFINET conformity classB• network load class / according to PROFINET3• telegram length / for Ethernet / maximum10240 byte• TelnetYes• TelnetYes• HTTPYes• HTTPSYes	RMON	Yes		
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• PROFINET IO diagnosisYes• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum10240 byteprotocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes	multiport mirroring	Yes		
• switch-managedYesPROFINET conformity classBnetwork load class / according to PROFINET3telegram length / for Ethernet / maximum10240 byteprotocol / is supported-• TelnetYes• HTTPYes• HTTPSYes	• CoS	Yes		
PROFINET conformity class B network load class / according to PROFINET 3 telegram length / for Ethernet / maximum 10240 byte protocol / is supported - • Telnet Yes • HTTP Yes • HTTPS Yes	PROFINET IO diagnosis	Yes		
network load class / according to PROFINET 3 telegram length / for Ethernet / maximum 10240 byte protocol / is supported - • Telnet Yes • HTTP Yes • HTTPS Yes	switch-managed	Yes		
telegram length / for Ethernet / maximum 10240 byte protocol / is supported • Telnet Yes • HTTP Yes • HTTPS Yes	PROFINET conformity class	В		
protocol / is supported Yes • Telnet Yes • HTTP Yes • HTTPS Yes	network load class / according to PROFINET	3		
 Telnet Yes HTTP Yes HTTPS Yes 	telegram length / for Ethernet / maximum	10240 byte		
• HTTP Yes • HTTPS Yes	protocol / is supported			
• HTTPS Yes	• Telnet	Yes		
	• HTTP	Yes		
	• HTTPS	Yes		
• IFIP Yes	• TFTP	Yes		
• SFTP Yes	• SFTP	Yes		
• BOOTP No	• BOOTP	No		
• GMRP Yes	• GMRP	Yes		
• DCP Yes	• DCP	Yes		
• LLDP Yes	• LLDP	Yes		
• EtherNet/IP Yes	EtherNet/IP	Yes		
• SNMP v1 Yes	• SNMP v1	Yes		
• SNMP v2 Yes	• SNMP v2	Yes		
• SNMP v3 Yes	• SNMP v3	Yes		
IGMP (snooping/querier) 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	
	Yes
VLAN - port based	
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
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	
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
 of the PROFINET IO device / is supported / PROFINET system redundancy 	Yes
 ring redundancy 	Yes
 high speed redundancy protocol (HRP) with redundancy manager 	Yes
 high speed redundancy protocol (HRP) with standby redundancy 	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
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function	
• IEEE 802.1x (radius)	Yes
RADIUS client	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
protocol / is supported	
NTP	Yes
• SNTP	Yes
IEEE 1588 profile default standards, specifications, approvals	Yes
certificate of suitability	Vec
CE marking Degrupter (Compliance Mark (DCM)	Yes
Regulatory Compliance Mark (RCM)	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
 for safety / from CSA and UL 	UL 60950-1 E115352, UL-61010-2 E85972
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
 ULhazloc approval 	Yes
 CCC / for hazardous zone according to GB standard 	Yes
FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
 railway application in accordance with EN 50121-4 	Yes
RoHS conformity	Yes
IT security for industrial automation systems / according to IEC	Yes
62443-4-2:2019	
standards, specifications, approvals / marine classification	
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (BV) 	Yes
 Chinese Classification Society (CCS) 	Yes
• DNV GL	Yes
 Korean Register of Shipping (KRS) 	Yes
 Lloyds Register of Shipping (LRS) 	Yes
 Polski Rejestr Statkow (PRS) 	Yes
 Royal Institution of Naval Architects (RINA) 	Yes
standards, specifications, approvals / Environmental Product D	eclaration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	157.5 kg
 during manufacturing 	26.3 kg
during operation	130.8 kg
after end of life	0.4 kg
product functions / general	
MTBF	55 a
reference code	
according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
Warranty period	5a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link	
to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
-	
 to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud

• to website: Industrial communication

- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

security information

security information

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Approvals / Certificates

General Product Approval

CE EG-Konf.	Declaration of Con- formity	EHC	UK CA	(UL) III	<u>Miscellaneous</u>			
General Product Approval EMV For use in hazardous locations								
Declaration of Con- formity	RCM	TUV	<u>KC</u>	IECEx	K ATEX			
For use in hazardous	locations	Marine / Shipping						
ЕM	<u>CCC-Ex</u>	ABS	BUREAU VERITAS		Lloyd's Register LRS			
Marine / Shipping					Environment			
<u>NK / Nippon Kaiji Ky-</u> <u>okai</u>	PRS	RINA	<u>CCS (China Classifica-</u> tion Society)		<u>Confirmation</u>			
Environment	Industrial Communication							
EPD	<u>PROFINET</u>							
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