SIEMENS

Data sheet

6GK5206-2BS00-2AC2



SCALANCE XC206-2SFP manageable Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100 MBit/s RJ45 ports; 2x 100/1000 Mbit/s SFP; 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 XC206-2SFP			
transfer rate				
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s			
interfaces / for communication / maximum configuration for mo				
number of electrical ports / maximum	6			
number of optical ports / maximum	2			
interfaces / for communication / integrated				
number of electrical connections				
 for network components or terminal equipment 	6; RJ45			
number of 10/100 Mbit/s RJ45 ports / integrated				
with securing collar	6			
interfaces / for communication / plug-in				
number of electrical connections				
• for SFP	2; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver			
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 	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			



- fue protoction type / 1 / at input for symplexicities	2.5 A / 125 V		
fuse protection type / 1 / at input for supply voltage ambient conditions	2.0 AT 120 V		
ambient temperature	40 ±70 °C		
during operation	-40 +70 °C		
during storage	-40 +85 °C -40 +85 °C		
during transport	-40 +85 °C		
relative humidity	05.94		
 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	0.52 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 / gen			
cascading in the case of a redundant ring / at reconfiguration	50		
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, 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	No Yes		
• port mirroring	Yes		
port mirroringmultiport mirroring	Yes Yes		
 port mirroring multiport mirroring CoS	Yes Yes Yes		
 port mirroring multiport mirroring CoS PROFINET IO diagnosis 	Yes Yes Yes		
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 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) Yes Yes broadcast blocking Yes 		
 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 Yes 		
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)No• passive listeningYesprotocol / is supportedYes• LACPYesproduct functions / securityYesproduct functionYes• IEEE 802.1x (radius)Yes• broadcast/multicast/unicast limiterYes• broadcast blockingYes• protocol / is supportedYes	Parallel Redundancy Protocol (PRP)/operation in the	
• passive listening Yes protocol / is supported • LACP Yes product functions / security Yes product function • IEEE 802.1x (radius) Yes • broadcast/multicast/unicast limiter Yes • broadcast blocking Yes • protocol / is supported Yes	 Parallel Redundancy Protocol (PRP)/Redundant Network 	No
protocol / is supported Yes • LACP Yes product functions / security Yes product function IEEE 802.1x (radius) • lEEE 802.1x (radius) Yes • broadcast/multicast/unicast limiter Yes • broadcast blocking Yes protocol / is supported Yes		Yes
product functions / security product function • IEEE 802.1x (radius) • broadcast/multicast/unicast limiter • broadcast blocking Yes protocol / is supported		
product function Yes • IEEE 802.1x (radius) Yes • broadcast/multicast/unicast limiter Yes • broadcast blocking Yes protocol / is supported Yes	• LACP	Yes
• IEEE 802.1x (radius) Yes • broadcast/multicast/unicast limiter Yes • broadcast blocking Yes protocol / is supported Yes	product functions / security	
broadcast/multicast/unicast limiter Yes broadcast blocking Yes protocol / is supported	product function	
• broadcast blocking Yes protocol / is supported	• IEEE 802.1x (radius)	Yes
protocol / is supported	 broadcast/multicast/unicast limiter 	Yes
	broadcast blocking	Yes
• SSH Yes		
	• 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
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	
standard	
• for FM	FM19US0167X
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	47 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 50121-4
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 74 Gc
• for ATEX / as certificate	KEMA 07ATEX0145 X
• IECEx	Yes; IEC 60079-0, IEC 60079-15
• for IECEx / as marking	ExinA II T4 GC
for IECEx / as certificate	IECEX DEK 14.0025X
CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
for cULus HazLoc / as marking	
 for cULus HazLoc / as File Nr. FM registration 	E240480 (NWHP, NWHP7) Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005,
• I WIEgistration	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)
EAC approval	Yes
standards, specifications, approvals / marine classification	
Marine classification association	No.
American Bureau of Shipping Europe Ltd. (ABS)	Yes
French marine classification society (BV)	Yes
• DNV GL	Yes
Korean Register of Shipping (KRS)	Yes
Lloyds Register of Shipping (LRS)	Yes
Nippon Kaiji Kyokai (NK)	Yes
Polski Rejestr Statkow (PRS) Pougl Institution of Navigl Asphitests (PINA)	Yes
 Royal Institution of Naval Architects (RINA) 	Yes



11/21/2023

standards, specificatio	ns, approvals / Enviror	mental Product De	eclaration		
Environmental Product			Yes		
			153.7 kg		
-	 Global Warming Potential [CO2 eq] / total 				
 Global Warming manufacturing 	Potential [CO2 eq] / dur	ing	28.4 kg		
6	Potential [CO2 eq] / dur	ing operation	125.2 kg		
	potential [CO2 eq] / after	0	0.02 kg		
accessories	L 13				
product extension / opt	ional / C-PLUG		Yes		
further information / in	ternet links				
internet link					
 to web page: set 	lection aid TIA Selection	Tool	http://www.siemens.com/tia-selection-tool		
 to website: Indus 	strial communication		http://www.siemens.com/simatic-net		
 to website: Indus 	stry Mall		https://mall.industry.siemens.co	<u>m</u>	
 to website: Infor 	mation and Download Co	enter	http://www.siemens.com/industry/infocenter		
• to website: Sele	ction guide for cables an	d connectors	https://sie.ag/2QdlxcP		
 to website: Imag 	e database		http://automation.siemens.com	<u>/bilddb</u>	
	Download-Manager		http://www.siemens.com/cax		
	stry Online Support		https://support.industry.siemen	s.com	
security information					
	the-art industrial security concept. Siemens' products and solutions constitut 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 enterp network or the internet if and to the extent such a connection is necessary a 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 solution undergo continuous development to make them more secure. Siemens stro 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 a no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updat subscribe to the Siemens Industrial Security RSS Feed under https://www.siemens.com/cert. (V4.6)				
Approvals / Certificates	5				
General Product App	oroval	EMC	For use in hazardous	locations	
<u>Manufacturer Declara-</u> tion			ATEX-Zone 2-Declara- tion	IECEx	EM
For use in hazard- ous locations	Declaration of Conf	ormity			
CCC-Ex	CE EG-Konf.	EAC	UK CA	<u>Manufacturer Declara-</u> tion	<u>Miscellaneous</u>
Marine / Shipping					
ABS	BUREAU VERITAS	Lloyd's Kegister urs	<u>NK / Nippon Kaiji Ky-</u> <u>okai</u>	PRS	RINA
Marine / Shipping		other	Environment		



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PROFINET-Certification



Environmental Confirmations

last modified:

11/9/2023 🖸

