SIEMENS

Data sheet

6AG1206-2BS00-7AC2



SIPLUS NET SCALANCE XC206-2SFP based on 6GK5206-2BS00-2AC2 with conformal coating, -40...+70 °C, manageable layer 2 IE switch 6x 10/100 Mbps RJ45 ports; 2x 100/1000 Mbps SFP 1x console port; diagnostics LEDs redundant power supply temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail wall redundancy functions office features (RSTP, VLAN, etc.); PROFINET IO device; Ethernet/IP-compliant; C-Plug slot; C-PLUG slot

product type designation	
product brand name	SIPLUS
product type designation	XC206-2SFP
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 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	
type of voltage / 1 / of the supply voltage	DC
 supply voltage / 1 / rated value 	24 V
 power loss [W] / 1 / rated value 	6 W
supply voltage / 1 / rated value	9.6 31.2 V
ambient conditions	
ambient temperature / in horizontal mounting position / during operation	-40 +70 °C
installation altitude / at height above sea level / maximum	5000 m
relative humidity	
 with condensation / according to IEC 60068-2-38 / maximum 	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation

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				
pressure - installation altiodb -10 ky at 756 kpa 680 ktpa (< 2000, m, 45 000 m) // Tmin (Tmax - 20 ky) at 680 ktm as 040 hpd (= 350 0m) // Tmin (Tmax - 20 ky) at 680 ktm as 040 hpd (= 350 0m) // Tmin (Tmax - 20 ky) at 680 ktm as 040 hpd (= 350 0m) // Tmin (Tmax - 20 ky) at 680 ktm as 040 hpd (= 350 0m) // Tmin (Tmax - 20 ky) at 680 ktm as 040 hpd (= 350 0m) // Tmin (Tmax - 20 ky) at 680 ktm as 040 hpd (= 350 0m) // Tmin (Tmax - 20 ky) at 680 ktm as 040 hpd (= 350 0m) // Tmin (Tmax - 20 ky) at 680 ktm as 040 hpd (= 350 ktm as 040 hpd (= 350 ktm)) // Tmin (Tmax - 20 ky) at 680 ktm as 040 hpd (= 350 ktm) // Tmin (Tmax - 20 ky) resistance to chemically active substances - conformly according to EN 05721-36 Yee: Class 324 ind. sand, dust * Yee: Class 625 ind. sand, dust * Yee: Class 62 ind. sand, dust * Yee: Class 700 nd ind mont / According to EN Yee: Class 700 nd ind mont / According to EN Yee: Class 700 nd ind. Sand Yee: Yee Yee Yee Yee Yee Yee Yee Yee Yee	, 6	Yes; incl. airborne diesel and oil droplets		
• contromity according to EN 60721-3-3Yes, Class SB2 mold, fungal and dry rat sporse (excluding fauna); class SB3 on resistance to functionaly active substances aconformity according to EN 60721-3-3Yes, Class 6B2 mold, fungal and dry rat sporse (excluding fauna); data SD3 on Yes, Class 6D3 (PKI < 75%) incl. salt spray acc. to EN 60008-2-52 (severity actionsmity according to EN 60721-3-3* conformity according to EN 60721-3-3Yes, Class 6D3 (PKI < 75%) incl. salt spray acc. to EN 60008-2-52 (severity actionsmity according to EN 60721-3-6* conformity according to EN 60721-3-6Yes, Class 6D3 (PKI < 75%) incl. salt spray acc. to EN 60008-2-52 (severity according to EN 60721-3-6* conformity according to EN 60721-3-6Yes, Class 6D3 (PKI < 75%) incl. salt spray acc. to EN 60008-2-52 (severity) according to EN 60721-3-6* conformity according to EC 60721 / rude* Yes, Class 6D3 (PKI < 75%) incl. salt spray acc. to EN 60008-2-52 (severity) according to EC 60721 / rude* conformity according to EC 60721 / rude* Yes, Class 25 (ch right availability)coding / functedion against pollution according to ENYes, conformal coating, datas function according to EN* product conformity / aft ne coating / Qualification and Bard Asemblies according to EPC-6C-850AYes, conformal coating, datas function* product conformity / aft ne coating / Qualification and Bard Asemblies according to IPC-6C-850AYes, conformal coating, datas function* detainGormaGorma* detainGormaGorma* detainGormaYes* detainYes* detainYes* detainYes* detainYes <t< td=""><td></td><td colspan="3">- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax - 20 K)</td></t<>		- 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax - 20 K)		
•ontominy according to EN 60721-3-6 Yes, Class S26 (RH, Kingal and dry rot spores (excluding fauna) restance to chemically active substances	resistance to biologically active substances			
residues to chemically actor substances	 conformity according to EN 60721-3-3 			
• contomity according to EN 60721-3-3 Yes; Class 9C3 (RH < 75 %) incl. sait spray acc. to EN 60088-2-52 (sevenity according to EN 60721-3-3	 conformity according to EN 60721-3-6 	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)		
degree 3):* endominy according to EN 80721-3-6 degree 3):* endominy according to EN 80721-3-3 endominy for equipped printed circuit board / according to EN endominy for equipped printed circuit board / according to EN endominy for equipped printed circuit board / according to EN endominy for equipped printed circuit board / according to EN endominy for equipped printed circuit board / according to EN endominy for equipped applied circuit board / according to EN endominy for equipped applied circuit board / according to EN endominy for equipped applied circuit board / according to EN endominy for equipped applied circuit board / according to EN endominy for equipped applied circuit board / according to EN endominy for equipped applied circuit board / according to EN endominy for equipped applied circuit board / according to EN product formations and weighte edesign Gormateine	resistance to chemically active substances			
degree 3); * residence to mechanically active substances • contomity according to EN 60721-33 Yes; Class 363 incl. sand, dust; * • evotomental category / according to EN 60721-36 * The suppled pig accords must remain in place on the unused interfaces during operation! # contently according to EN 60721-36 * The suppled pig accords must remain in place on the unused interfaces during operation! # contently according to EN 60721-36 Yes; Class 26 shi pin availability # contently according to EN 60721-36 Yes; contently availability # contently according to EN 60721-36 Yes; contently availability # contently / for equipped printed circuit board / according to EN Yes; contently availability # contently / for equipped printed circuit board / according to EN Yes; contently according to the content / Qualification and Performance of Edication insulating compound for Printed Baard Assembles according to IP-CC-630A Yes; contently class A # protection class P [P20 design 600 mm 60 mm height 147 mm 142 mm design 0.52 kg material / 60 mm istaining method 152 mm Yes • so molting Yes Yes • acaccording in b	conformity according to EN 60721-3-3			
• conformity according to EN 6721-36Yes; Class 363 ind, sand, dust; *• conformity according to EN 6721-36Yes; Class 363 ind, sand, dust; *environmental category / according to EC 60721 / note** for equipped printed circuit board / according to ENYes; rotection of the type 160064Yes; rotection of the type 160064-3Yes; rotection category according to ML1-46098C90641-3Yes; rotection category according to ML1-46098C90641-4Yes; rotection category according to PP-CC-830A90741-4Factogory according to PP-CC-830A90741-46007490741-4425 mm90741-4426 mm90741-4426 mm90741-490 mm90741-4147 mm90741-490 mm	• conformity according to EN 60721-3-6			
• conformity according to EN 607213 andYes; Class B3 incl. sand, dust; *environmental category i according to IEC 607213 role** The supplied plug covers must remain in place on the unused interfacescoding / for equipped printed cicuit board / according to ENYes; Class 2 for high availabilitytype of coating / protection against pollution according to ENYes; conformal coating, class Atype of coating / protection gainst pollution according to ENYes; conformal coating, class Aperformance of Electrical Insulating Compound for PrintedFerformance of Electrical Insulating Compound for Printedacting dimensions activation insulating Compound for PrintedFerformance of Electrical Insulating Compound for Printeddesigncompactcompactdesign dimensions and wolghtscompactdesign dimensions and wolghts600 mmdesign dimensions and wolghtscompactdesign dimension and wolghts600 mmdesign dimensionSize Nomaterial / of the enclosurePolycatoonate (PC-GF10) / pressure die cast aluminumfastening methodYesexist montingYesexist montingYesexist montingYesexist montingYesexist montingYesexist montingYesexist monting on Signal propagation time)exist monting	resistance to mechanically active substances			
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environmental category / according to IEC 60721 / note coding / for equipped printed circuit board / according to EN for equipped printed circuit board / according to EN for each of the specific structure of the specific struc		Yes: Class 6S3 incl. sand. dust: *		
costnor / for equipped printed circuit board / according to EN Yes; Class 2 for high availability 61088 Yes; Class 2 for high availability 06064-5 Yes; Coating discoloration during service life possible Yee of test / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Baard Assemblies according to IPC-CC-300A Yes; conformal coating, class A Product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Baard Assemblies according to IPC-CC-300A IP20 design compact IP20 design, dimensions and woights IP20 design compact IP20 design compact IP20 design do mm IP20 design 0.52 kg IP20 material / of the enclosure POlycathomatic (PC-GF10) / pressure die cast aluminum fastening method Yes Secondation during eisf mol Innutring Yes Yes eisf mol Innutring Yes Secondation time di-0.5.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.		* The supplied plug covers must remain in place on the unused interfaces		
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product conformity / of the coating / Qualification and Performance of Regulation Insulang Compared for Printed Board Assembles according to IDF-CC-390A PE20 gesign memory Compared for Printed Board Assembles according to IDF-CC-390A IP20 design design compact design compact 00 mm height 147 mm 00 mm design for Printed 125 mm material / of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastening method 925 kg • 35 mm DIN-rail mounting Yes • 35 mm DIN-rail mounting Yes • 35 mm DIN-rail mounting Yes • 75-300 rail mounting Yes • 25 mounting Yes • 25 mounting Yes • 26 mounting Yes • 26 mounting Yes • Cat Through switching method 50 • Cut Through switching method Yes • Cut Through switching metho		Yes; protection of the type 1		
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design, dimensions and weights compact design compact width 60 mm height 147 mm depth 125 mm material / of the enclosure Polycarbonate (PC-GF10 / pressure die cast aluminum fastening method ves • 35 mm DIN-rail mounting Yes • 35 mm DIN-rail mounting Yes • 37-300 rail mounting Yes • 57-1500 rail mounting Yes • 57-300 rail mounting Yes • 60 rail mounting Yes • 60 rail mounting Yes • 60 rail mounting Yes • 0 rail mounting method Yes • 0 radie fast topology Yes • 0 radie fast t	Performance of Electrical Insulating Compound for Printed	Yes; conformal coating, class A		
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net weight 0.52 kg material / of the enclosure Polycarbonate (PC-GF10) / pressure die cast aluminum fastening method - • 35 mm DIN-rail mounting Yes • wall mounting Yes • S7-300 rail mounting Yes • S7-1500 rail mounting Yes • S7-1500 rail mounting Yes • S7-1500 rail mounting Yes • Cascading in the case of a redundant ring / at reconfiguration 50 cascading in the case of a redundant ring / at reconfiguration 50 reduct features, product functions, product components / generation only on signal propagation time) product feature • QoS according to DSCP Yes product feature Yes • Cut Through switching method Yes product function Yes • Cut functin Yes </td <td></td> <td></td>				
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fastening method Yes • 35 mm DIN-rail mounting Yes • wall mounting Yes • S7-300 rail mounting Yes • S7-500 rail mounting Yes product features, product functions, product components / general Image: Sr-57-500 rail mounting cascading in the case of a redundant ring / at reconfiguration 50 ime of <\-0.3\s		·		
• 35 mm DIN-rail mountingYes• wall mountingYes• S7-300 rail mountingYes• S7-500 rail mountingYesproduct features, product functions, product components / generation of <		Polycarbonate (PC-GF10) / pressure die cast aluminum		
wall mounting Yes • S7-300 rail mounting Yes • S7-1500 rail mounting Yes cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s				
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• \$7-1500 rail mounting Yes product features, product functions, product components / generation time of <\-0.3\~s				
product features, product functions, product components / general 50 cascading in the case of a redundant ring / at reconfiguration time of <<-0.3\~s	C C			
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 Yes product feature Ves • Cut Through switching method Yes product function Yes exconfiguration, engineering Yes product function Yes exconfiguration with STEP 7 Yes exmotion with origing Yes exmotion with origing Yes exmotion with origing Yes exmotion with or				
time of <\-C-0.3\-sany (depending only on signal propagation time)cascading in cases of star topologyany (depending only on signal propagation time)product functionYesproduct featureNo- Cut Through switching methodYesproduct functions / management, configuration, engineeringYesproduct functionYesproduct functionYesproduct functionYes- CL1Yes• Web-based managementYes• MIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• RMONYes• SMTP serverNo• port mirroringYes• multiport mirroringYes• CoSYes• PROFINET IO diagnosisYes• switch-managedYes	product features, product functions, product components / gen	eral		
product functionYesout functionYesproduct featureNo• Cut Through switching methodYesproduct functions / management, configuration, engineeringYesproduct functionYes• 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-managedYes		50		
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product function• 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-managedYes	 Store & Forward switching method 	Yes		
product function• 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-managedYes	product functions / management, configuration, engineering			
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web-based managementYesMIB supportYesTRAPs via emailYesconfiguration with STEP 7YesRMONYesSMTP serverNooport mirroringYesmultiport mirroringYesCoSYesPROFINET IO diagnosisYesswitch-managedYes		Yes		
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• CoS Yes • PROFINET IO diagnosis Yes • switch-managed Yes				
PROFINET IO diagnosis Yes switch-managed Yes				
• switch-managed Yes				
	PROFINET IO diagnosis	Yes		
PROFINET conformity class B	 switch-managed 	Yes		
	PROFINET conformity class	В		

telegram length / for Ethernet / maximum	1632 byte
	1052 Dyte
protocol / is supported • Telnet	Yes
• HTTP	Yes
	Yes
• HTTPS	
• TFTP	Yes
• SFTP	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
number of VLANs / at ring redundancy (HRP; MRP; standby	257
link)	
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
 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 MSTP	Yes
Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No

• nassive listening	Yes
passive listening protocol / is supported	100
protocol / is supported • LACP	Yes
	Tes
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
standards, specifications, approvals	
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
standards, specifications, approvals / other	
certificate of suitability	
railway application in accordance with EN 50121-4	Yes
RoHS conformity	Yes
product functions / general	
MTBF	47 a
reference code	τι α
	KF
 according to IEC 81346-2 according to IEC 81346-2:2019 	KFE
further information / internet links	NFE .
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 	https://www.siemens.com/simatic-net
 to web page: SiePortal 	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
 to website: CAx-Download-Manager 	https://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 cybersecurity 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-of-the-art industrial cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that 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 Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificate				
General Product Ap	proval			EMV
<u>Miscellaneous</u>	<u>Manufacturer Declara-</u> <u>tion</u>	UK CA	EG-Konf.	RCM
For use in hazardou	is locations			
<u>CCC-Ex</u>	K ATEX	IECEX		

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