6GK5206-2BS00-2AC2

Data sheet



SCALANCE XC206-2SFP managed Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100 Mbps RJ45 ports; 2x 100/1000 Mbps SFP; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: 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 / 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	

=com r component / r / msmc at nower supply mon	Yes
 product component / 1 / fusing at power supply input ambient conditions 	
ambient temperature	
during operation	-40 +70 °C
during operation during storage	-40 +85 °C
	-40 +85 °C
during transport relative humidity	-40 +00 C
•	95 %
 at 25 °C / without condensation / during operation / maximum 	95 76
protection class IP	IP20
design, dimensions and weights	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight material / of the enclosure	0.52 kg
	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method	Voe
35 mm top hat DIN rail mounting wall mounting	Yes
wall mounting S7 200 roll mounting	Yes
• S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
product features, product functions, product components	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
	any (depending only on signal propagation time)
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	ng
product function	
• CLI	Yes
 web-based management 	Yes
MIB support	Yes
 TRAPs via email 	Yes
TRAPs via emailconfiguration with STEP 7	Yes Yes
configuration with STEP 7	Yes
configuration with STEP 7RMON	Yes Yes
configuration with STEP 7RMONSMTP server	Yes Yes No
 configuration with STEP 7 RMON SMTP server port mirroring multiport mirroring 	Yes Yes No Yes Yes
 configuration with STEP 7 RMON SMTP server port mirroring multiport mirroring CoS 	Yes Yes No Yes Yes Yes Yes
 configuration with STEP 7 RMON SMTP server port mirroring multiport mirroring CoS PROFINET IO diagnosis 	Yes Yes No Yes Yes Yes Yes Yes
 configuration with STEP 7 RMON SMTP server port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class	Yes Yes No Yes Yes Yes Yes Yes Yes
configuration with STEP 7 RMON SMTP server port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed	Yes Yes No Yes Yes Yes Yes Yes Yes Yes
configuration with STEP 7 RMON SMTP server port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed telegram length / for Ethernet / maximum	Yes Yes No Yes Yes Yes Yes Yes Yes
configuration with STEP 7 RMON SMTP server port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed telegram length / for Ethernet / maximum protocol / is supported	Yes Yes No Yes Yes Yes Yes Yes Yes Tes B Yes 1632 byte
configuration with STEP 7 RMON SMTP server port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed telegram length / for Ethernet / maximum protocol / is supported Telnet	Yes Yes No Yes Yes Yes Yes Yes Yes 1632 byte
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• 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 	Yes
redundancy manager	
 high speed redundancy protocol (HRP) with standby redundancy 	Yes
protocol / is supported / Media Redundancy Protocol	Yes
(MRP)	
product function	V
 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
•	

Foroaccist blocking F	broadcast/multicast/unicast limiter	Yes
product function / Stime Yes		
SSH Yes SSL Yes product functions / time SINCLOCK support NTP-client Yes SINTP YES		165
Product functions / time		Ves
product functions / time product function SICLOCK support NTP-clent Yes SNTP dient Yes profocol / is supported NTP SNTP Yes SNTP Yes SNTP Yes SIAndards, specification during operation product function / configuration in RUN via CIRH-CIR Yes SIAndards, specifications, approvals If security for industrial submation systems / according to IEC 62443-4-2-2019 WTBF SIANDARDS, specifications, approvals IEC 62443-4-2-2019 WTBF SIANDARDS, specifications, approvals IEC 62443-4-2-2019 Yes SIANDARDS, specifications, approvals / CE certificate of suitability / CEC marking Yes Product conformity / according to EMC-guideline Standard **of EMC Interference emission **of immunity to EMC certificate of suitability / CEC marking **of immunity to EMC certificate of suitability / CEC marking **of immunity to EMC certificate of suitability / CEC marking **of ATEX / as certificate **OF IECEX / as certificate **CEC / for hazardous zone according to GB standard **of cultus Hazloc / as File Nr. **File registration **of CULus Hazloc / as File Nr. **File registration **of CULus Hazloc / as File Nr. **File registration **of CULus Hazloc / as File Nr. **File Rounds / Association **American Ass		
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standards, specifications, approvals / CE certificate of suitability / CE marking Yes product conformity / according to EMC-guideline standard • for EMC interference emission • for immunity to EMC certificate of suitability / ROHS conformity * EN 61000-6-4, EN 50121-4 EN 61000-6-2, EN 50121-4 * 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 • for ATEX / as marking • for ATEX / as marking • for IECEX / as marking • for CULUS HazLoc / as File Nr. • FM registration • for FM / as marking • for FM / as marking • for FM / as marking * CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 T3: -40 °C +70 °C * for FM / as certificate • FMIGUS205X * tandards, specifications, approvals / other * certificate of suitability • railway application in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 60950-1 / as File Nr. • FAC approval • FAC approval * American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Chyor Register of Shipping (KRS) • Lloyds Register of Shipping (KRS) • Nippon Kaiji Kyokai (NK) * Nepon Kaiji Kyokai (NK) * Pes * Nippon Kaiji Kyokai (NK) * Pes * Nippon Kaiji Kyokai (NK) * Pes * Control	IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
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• for ATEX / as certificate • IECEX • IECEX • for IECEX / as marking • for IECEX / as certificate • CCC / for hazardous zone according to GB standard • for cULus HazLoc / as marking • for CULus HazLoc / as File Nr. • FM registration • for FM / as marking • for FM / as certificate • for FM / as certificate • for FM / as certificate • for GULus HazLoc / as File Nr. • FM registration • for FM / as marking • for FM / as marking • for FM / as marking • for FM / as certificate • for FM / as polication in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 61010-2-201 / as File Nr. • for UL 60950-1 / as File Nr. • EAC approval standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Yes • Nippon Kaiji Kyokai (NK) • Yes • Nippon Kaiji Kyokai (NK) • Yes • Nippon Kaiji Kyokai (NK)	• ATEX	Yes; EN 60079-0, EN 60079-15
IECEX for IECEX / as marking for IECEX / as certificate CCC / for hazardous zone according to GB standard for cULus HazLoc / as marking for cULus HazLoc / as marking for cULus HazLoc / as marking for cULus HazLoc / as File Nr. FM registration for FM / as marking for FM / as marking for FM / as certificate for FM / as marking for FM / as certificate for FM / as marking for FM / as marking for FM / as marking for FM / as certificate for FM / as certi	for ATEX / as marking	II 3 G Ex nA II T4 Gc
• for IECEx / as marking • for IECEx / as certificate • for IECEx / as certificate • CCC / for hazardous zone according to GB standard • for cULus HazLoc / as marking • for cULus HazLoc / as File Nr. • FM registration • for FM / as marking • for FM / as certificate • for FM / as certificate • for FM / as certificate • FM16US0205X **standards, specifications, approvals / other certificate of suitability • railway application in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 61010-2-201 / as File Nr. • FOR UL 60950-1 / as File Nr. • EAC approval **standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) **Yes • Nippon Kaiji Kyokai (NK)	 for ATEX / as certificate 	KEMA 07ATEX0145 X
for IECEx / as certificate CCC / for hazardous zone according to GB standard for cULus HazLoc / as marking for cULus HazLoc / as File Nr. FM registration	• IECEx	Yes; IEC 60079-0, IEC 60079-15
CCC / for hazardous zone according to GB standard for cULus HazLoc / as marking for cULus HazLoc / as File Nr. FM registration FM registration For FM / as marking For FM / as certificate standards, specifications, approvals / other Certificate of suitability For UL 61010-2-201 / as File Nr. For UL 60950-1 / as File Nr. FAC approval Marine classifications, approvals / marine classification Marine classification sasociation American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) For NV GL Korean Register of Shipping (KRS) Fine No. For NV as marking CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 Ta: -40 °C +70 °C FM class 3611:2004, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C FM class 3601:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 FM class 3611:2004, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 FM class 3611:2004, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C FM class 3611:2004, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 FM class 3611:2004, ANSI/ISA-61010-1:2004 FM class 3611:2004, FM class 3	for IECEx / as marking	Ex nA II T4 Gc
for cULus HazLoc / as marking for cULus HazLoc / as File Nr. For culter HazLoc / as File Nr. For registration For FM registration For FM / as marking for FM / as marking for FM / as certificate For FM / as certificate standards, specifications, approvals / other Certificate of suitability for UL 61010-2-201 / as File Nr. for UL 60950-1 / as File Nr. FAC approval Marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Norgan Register of Shipping (LRS) For CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 Ta: -40 °C +70 °C	 for IECEx / as certificate 	IECEx DEK 14.0025X
for cULus HazLoc / as File Nr. FM registration Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 for FM / as marking	 CCC / for hazardous zone according to GB standard 	Yes
• FM registration • for FM / as marking • for FM / as marking • for FM / as certificate • for FM / as certificate • for FM / as certificate • for FM / as certificate • for UL 61010-2-201 / as File Nr. • FAC approval • EAC approval • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Nippon Kaiji Kyokai (NK) • for UL occurrence of Suitability • FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C FM16US0205X Yes • FM class 3600:2011, FM class 3611:2004, FM class 3611:2004, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C FM16US0205X **Yes **Yes **Yes **Yes **Yes **In16US0205X **Yes **Yes **In16US0205X **Yes **In16US0205X **In16US0205X **Yes **In16US0205X	for cULus HazLoc / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C • for FM / as certificate standards, specifications, approvals / other certificate of suitability • railway application in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 61010-2-201 / as File Nr. • for UL 60950-1 / as File Nr. • E85972 (NRAQ, NRAQ7) • EAC approval standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK)	for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)
• for FM / as certificate • for FM / as certificate standards, specifications, approvals / other certificate of suitability • railway application in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 61010-2-201 / as File Nr. • for UL 60950-1 / as File Nr. • EAC approval standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Nippon Kaiji Kyokai (NK) **Too C FM16US0205X *Yes **EM16US0205X	FM registration	
for FM / as certificate standards, specifications, approvals / other certificate of suitability	● for FM / as marking	
certificate of suitability • railway application in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 61010-2-201 / as File Nr. • for UL 60950-1 / as File Nr. • EAC approval Standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) Yes • Nippon Kaiji Kyokai (NK)	for FM / as certificate	
certificate of suitability • railway application in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 61010-2-201 / as File Nr. • for UL 60950-1 / as File Nr. • EAC approval standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK)		
 railway application in accordance with EN 50121-4 Regulatory Compliance Mark (RCM) for UL 61010-2-201 / as File Nr. for UL 60950-1 / as File Nr. E115352 (NWGQ, NWGQ7) EAC approval Standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Yes 		
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 for UL 61010-2-201 / as File Nr. for UL 60950-1 / as File Nr. E115352 (NWGQ, NWGQ7) EAC approval Yes standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) 		
for UL 60950-1 / as File Nr. E115352 (NWGQ, NWGQ7) Yes standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) PONV GL Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) E115352 (NWGQ, NWGQ7) Yes Yes Yes Yes Nippon Kaiji Kyokai (NK) Yes Yes Nippon Kaiji Kyokai (NK) Yes Nippon Kaiji Kyokai (NK) Yes Nippon Kaiji Kyokai (NK) Nippon Kaiji Kyokai (NK)		
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standards, specifications, approvals / marine classification Marine classification association • 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		
Marine classification association • 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		
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 DNV GL Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Yes Yes 	 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Yes Yes 	 French marine classification society (BV) 	Yes
 Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Yes 	• DNV GL	Yes
Nippon Kaiji Kyokai (NK) Yes	 Korean Register of Shipping (KRS) 	Yes
		Yes
Polski Rejestr Statkow (PRS) Yes		Yes
	 Polski Rejestr Statkow (PRS) 	Yes

 Royal Institution of Naval Architects (RINA) 	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
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 to website: Industry Online Support 	https://support.industry.siemens.com
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