6GK5208-0BA00-2AF2

Data sheet



SCALANCE XF208, flat, Managed IE switch, 8x 10/100 Mbit/s RJ45 ports, Error signaling contact with set pushbutton, Redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-plug optional.

product type designation	SCALANCE XF208
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for m	odular devices
number of electrical ports / maximum	8
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	8
interfaces / other	
number of electrical connections	
for signaling contact	1
• for power supply	1
type of electrical connection	
• 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	
type of voltage / 1 / of the supply voltage	DC
 supply voltage / 1 / rated value 	24 V
power loss [W] / 1 / rated value	3.12 W
 supply voltage / 1 / rated value 	18 32 V
 consumed current / 1 / maximum 	0.13 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	1.1 A / 33 V
ambient conditions	
ambient temperature	
 during operation 	-40 +60 °C
during storage	-40 +70 °C
 during transport 	-40 +70 °C
• note	If the IE-Switch XF-200 is installed horizontally, a maximum ambient temperature of +40 °C is permitted
relative humidity	
 at 25 °C / without condensation / during operation / 	95 %

maximum	
protection class IP	IP20
design, dimensions and weights	
design	Flat
width	75 mm
height	125 mm
depth	73 mm
net weight	0.25 kg
fastening method	
35 mm top hat DIN rail mounting	Yes
wall mounting	No
S7-300 rail mounting	No
S7-1500 rail mounting	No
product features, product functions, product components / gene	eral
cascading in the case of a redundant ring / at reconfiguration	100
time of <\~0.3\~s cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	any (aspending only on signal propagation time)
product function • CLI	Yes
	Yes
web-based management MIR support	Yes
MIB support TDA Po via parail.	
TRAPs via email configuration with STEP 7	Yes
• configuration with STEP 7	Yes
port mirroring multipart mirroring	Yes
multiport mirroring with IRT (PROFINET IO awitch)	No No
with IRT / PROFINET IO switch PROFINET IO disgression	No Yea
PROFINET IO diagnosis PROFINET conformity class	Yes
PROFINET conformity class	B
product function / switch-managed	Yes
protocol / is supported	Voc
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
SNMP v1 SNMP v2	Yes
SNMP v2 CNMP v2	Yes
• SNMP v3	Yes
identification & maintenance function	V
18M0 - 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
product functions / DHCP	
product function	V.
DHCP client	Yes
product functions / redundancy	
product function	
• 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	No

protocol / is supported / Media Redundancy Protocol (MRP) product function • media redundancy protocol (MRP) with redundancy manager • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening product functions / security protocol / is supported • SSH product functions / time product function • SICLOCK support Protocol / is supported • NTP • NTP • NNO • SNTP Yes standards, specifications, approvals standard	redundancy	
product function - manager - Parallel Redundancy Protocol (MRP) with redundancy nanager - Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) - Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) - passive Islanting - product functions / security - security		Yes
* media returndancy protocol (MRP) with redundancy manage* * Parallel Redundancy Protocol (PRP)operation in the PRPIP-network * Parallel Redundancy Protocol (PRP)Redundant Network * Parallel Redundancy Protocol (PRP)Redundant Network * Access (RNA) * possive listening product function Protocol (PRP)Redundant Network * SSH		
PRIP reterency Protocol (PRP)/Redundant Network Access (RNA) - passive stearing product functions / security protocol / is supported - passive stearing product functions / security protocol / is supported - SSH Yes - SSH Yes - SSICLOCK support Yes - SSTP		Yes
Access (RNA) - passive Isterning product functions / security protocol / is supported - SSH	• • • • • • • • • • • • • • • • • • • •	Yes
protect functions / security protect functions / time \$SSH	· · · ·	No
protocol / is supported SSH SSH Product functions / time product functions SICLOCK support Protocol / is supported NO SINTP Protocol / is supported NO SINTP Standards, specifications, approvals standard for FM SPASSH1 / Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 SQL 1088 for emitted interference FM 5100-6-4-2001 (Class A) for interference immunity EN 61000-6-2-2001 MTBF S48, B reference code a according to IEC 81346-2 2019 KF standards, specifications, approvals / EE certificate of subtability / CE marking standards, specifications, approvals / hazardous environments standard / for hazardous zone for CCL / for hazardous zone according to GB standard CCC	passive listening	Yes
e SSH yes product functions / time product function • SICL COK support protocol / is supported • NTP • NTP • NTP • NTP • NO • SNTP • FOR FIM • for FIM • for emitted interference • for interference immunity • for emitted interference • for interference immunity EN 81000-64-22001 (Class A) • for emitted interference • according to IEC 81346-2 2019 * STEP * according to IEC 81346-2 2019 * RFE * Standard's, specifications, approvals / hazardous environments * anderd's, specifications, approvals / hazardous environments * Inform CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard • for CULus Hazloo / as File Nr * standard's, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / as marking • for CULus Hazloo / as File Nr * standard's, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / as marking • for CULus Hazloo / as File Nr * standard's, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard / as marking • for CULus Hazloo / as File Nr * standard's, specifications, approvals / other certificate of suitability • CCT-Ick • CR approval • CR FIN BOOD-6-2-2001, EN 61000-6-2-2001 • Pass Standard's, specifications, approvals / other certificate of suitability • CT-Tick • CR approval • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Pass Standard's, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Pass Standard's (BR) • Pass Stan	product functions / security	
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Protocol / is supported NTP SNTP SNTP Standards, specifications, approvals standard for FM for FM for emitted interference for interference immunity FN 1900-64-2001 (Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4 302/1908 FN 1900-64-2001 (Class A) FN 1900	product functions / time	
protocol / is supported	product function	
• NTP	SICLOCK support	Yes
SNTP Standards, specifications, approvals standard for FM for FM for emitted interference for interference immunity ATTEF reference code according to IEC 81346-2 be standards, specifications, approvals / GE certificate of suitability / CE marking from CSA and UL certificate of suitability CCC / for hazardous zone ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A. B. C. D TA, CL. 1 / Zone 2 / GP. IIC, T4, E240480 certificate of suitability CCC / for hazardous zone according to GB standard / se marking for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability C-Tick C-Tick K Sapproval alloway application in accordance with EN 50155 No railway application in accordance with EN 50155 No standards, specifications, approvals / marking classification Marine classification association Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Vertias (DNV) Germanische Lloyd (GL) No Det Norske Vertias (DNV) Poski Rejest Statkow (PRS) No Poski Rejest Statkow (PRS) Royal Institution of Naval Architects (RINA) Fireter Information / Internet Links internet link in	protocol / is supported	
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• for FM • for emitted interference • for interference immunity • for interference immunity EN 61000-6-2:2001 * for interference immunity EN 61000-6-2:2001 * ATSF reference code • according to IEC 81346-2 • according to IEC 81346-2-2019 * EN 61000-6-2:2001 * FFE **Standards, specifications, approvals / Dezardous environments **standards, specifications, approvals / hezardous environments **standards, specifications, approvals / hezardous environments **standard / for hazardous zone • from CSA and UL • from CSA and UL **OTA, CL. 1 / Zone 2 / GP. IIC, T4, E240480 **CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cultus HazLoc / as File Nr. **standards, specifications, approvals / other certificate of suitability • CTCC / for hazardous zone according to GB standard / as marking • for cultus HazLoc / as File Nr. **standards, specifications, approvals / other certificate of suitability • CTC / for hazardous zone according to GB standard / as marking • for cultus HazLoc / as File Nr. **standards, specifications, approvals / other certificate of suitability • CTC / for hazardous zone according to GB standard / as marking • for cultus HazLoc / as File Nr. **standards, specifications, approvals / other certificate of suitability • CTC / for hazardous zone according to GB standard / as marking • for cultus HazLoc / as File Nr. **standards, specifications, approvals / other certificate of suitability • CTC / for hazardous zone according to GB standard / as marking • for cultus HazLoc / as File Nr. **standards, specifications, approvals / other certificate of suitability • CTC / for hazardous with EN 50155 No • fallway application in accordance with EN 50155 No • fallway application in accordance with EN 50155 No • fallway application in accordance with EN 50155 No • fallway application in accordance with EN 50155 No • fallway application in accordance with EN 50155 No • fallway application in accordance with EN 50155 No •	standards, specifications, approvals	
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KC approval	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr.	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc
railway application in accordance with EN 50155	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7)
railway application in accordance with EN 50124-1 Standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) results	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001
standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) Yes • French marine classification society (BV) Yes • Det Norske Veritas (DNV) No • Germanische Lloyd (GL) No • DNV GL Yes • Lloyds Register of Shipping (LRS) Yes • Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) Yes further information / internet links internet link	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001 Yes
Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • DNV GL • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) further information / internet links internet link	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes
American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) DNV GL Uloyds Register of Shipping (LRS) Finippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) Further information / internet links Internet link Yes Yes Yes Further information / internet links	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No
French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) Further information / internet links	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No
Det Norske Veritas (DNV) Germanische Lloyd (GL) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) further information / internet links internet link	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No
Germanische Lloyd (GL) DNV GL Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) further information / internet links internet link	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No No
DNV GL Ves Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) further information / internet links internet link Yes Yes Yes Yes	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS)	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No No
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• to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA)	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No No Yes Yes Yes Yes Yes Yes Yes Ye
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• to website: Industrial communication http://www.siemens.com/simatic-net	standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) further information / internet links internet link	0145 X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 Yes Ex nA IIC T4 Gc E240480 (NWHP, NWHP7) EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No No No Yes Yes Yes Yes Yes Yes Yes Ye

• to website: Industry Mall

• to website: Information and Download Center

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• to website: CAx-Download-Manager • to website: Industry Online Support

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security information

security information

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Approvals / Certificates

General Product Approval

EMC

For use in hazardous locations

Manufacturer Declaration



Miscellaneous



ATEX-Zone 2-Declaration



For use in hazardous locations

Declaration of Conformity

<u>FM</u>

CCC-Ex









Declaration of Conformity

Manufacturer Declara-

tion

Marine / Shipping









NK / Nippon Kaiji Ky-<u>okai</u>

Marine / Shipping



PROFINET-Certification



Environment

last modified:

9/22/2023



other