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	
product brand name	SCALANCE
product type designation	XF208
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
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
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 / maximum 	95 %

Cesign	protection class IP	IP20
design Moth AF 5 mm Neight Appr Appr Appr Appr Appr Appr Appr App	·	20
Meight		flat
depth		
description 7.3 mm		
destending method 9.25 kg		
description method 3.8 mm top hat DIN rail mounting Ves wall mounting No S7-500 rail mounting S7-500 rail mounting No S7-500 rail mounting S7-500 rail mounting No S7-500 rail mounting S7-500 rail mou	<u> </u>	
* sim morphat DIN rail mounting	-	0.25 kg
* val mounting	-	Voo
S7-300 rall mounting S7-500 rall mounting S7-500 rall mounting Product fleatures, product functions, product components / general Cascading in the case of a redundant ring / at reconfiguration and of -(-0.3-*)** Cascading in cases of start topology Product function / management, configuration, engineering Product function / Family System CLI SYstem		
- \$7.150 rail mounting roduct fautures, product functions; product components / general cascading in the case of a redundant ring / at reconfiguration time of \$40.3\times of \$40.3\tim	-	
product features, product functions, product components igeneral cascading in the case of a redundant ring / at reconfiguration use of \$1-0.2 fee cascading in cases of star topology product functions / management, configuration, engineering product function /	-	
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time of "-0.3"- cascading in cases of star topology product functions / management, configuration, engineering product functions / Yes		
product functions / management, configuration, engineering product function CLI • Web-based management Ves • Mill support • TRAPs via email • Configuration with STEP 7 • Configuration with STEP 7 • Configuration mirroring • multiport mirroring • multiport mirroring • multiport mirroring • Mo • with IRT / PROFINET IO switch • PROFINET IO diagnosis • Switch-managed PROFINET conformity class B protocol / is supported • Telnet • Telnet • Telnet • TETP • HTTP • HTTP • TYes • FTP • SOOTP • SNMP v1 • SNMP v1 • SNMP v1 • SNMP v2 • SNMP v2 • SNMP v2 • SNMP v3 • SNMP v3 • SNMP v4 • SNMP v2 • SNMP v3 • SNMP v4 • SNMP v4 • SNMP v4 • SNMP v4 • SNMP v5 • SNMP v6 • SNMP v6 • SNMP v6 • SNMP v7 • SNMP v7 • SNMP v8 • SNMP v8 • SNMP v8 • SNMP v9 • SN		100
product function CLI Ves · web-based management Ves · Mills support · TRAPs via email · configuration with STEP 7 · port mirroring · multiport mirroring · with IRT / PROFINET IO switch · PROFINET IO diagnosis · switch-managed PROFINET conformity class PROFINET conformity class B protocol / is supported · Telnet · TITP · Yes · HTTP · HTTPS · FEP · FIFP · Yes · FIFP · Yes · SMMP V2 · SMMP V3 · SMMP V3 · SMMP V3 Jes Identification & maintenance function • IsM1 - higher level designation/location designation • Pad sitsistics Packet Size • error statistics • reduct function • DHCP client • DHCP client Product function • DHCP client • Pes • Froduct function • DHCP client • Pes • Froduct function • DHCP client • Pes • Intended a Redundancy Product function • DHCP client • DHCP client • Product function • DHCP client • DHCP client • Product function • DHCP client • DHCP client • Product function • DHCP client • DHCP client • Product function • DHCP client • DHCP client • Product function • DHCP client • Product function • DHCP client • Droduct function • DHCP client • Tign redundancy Product function • DHCP client • Tign redundancy Product function	cascading in cases of star topology	any (depending only on signal propagation time)
CLI Web-based management Wes Mills support TRAPs via email Configuration with STEP 7 Yes Configuration with STEP 7 Yes Optor turrioring Multiport mirroring Multiport mirroring Wes With IRT / PROFINET IO switch PROFINET IO diagnosis Wes With-managed Yes PROFINET or offormity class protocol / is supported Tenet Tenet Tenet Wes HTTP Yes HTTP Yes HTTP Yes FFP BOOTP DCP Yes SNMP V1 SNMP V1 SNMP V2 SNMP V2 SNMP V2 SNMP V2 SNMP V2 SNMP V3 Ves Ves Ves Ves Ves Ves Ves V	product functions / management, configuration, engineering	
web-based management Yes Mills support Yes TRAPs via email Yes configuration with STEP 7 Yes port mirroring Yes multiport mirroring No with IRT / PROFINET lot switch No PPOFINET lot diagnosis Yes switch-managed Yes switch-managed Yes protocol / is supported Telnet Yes HTTP Yes TETP Yes TETP Yes FTEP Yes SOOTP Yes SOOTP No SOOTP Yes SOMP V1 SNMP V2 SNMP V3 SNMP V3 SNMP V3 SNMP V3 SNMP V3 Jest contains function Yes SNMP V3 Jest contains function Yes slatistics packet type error statistics product functions / Independency product functions / Independency product functions / Independency product function	product function	
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TRAPs via email Configuration with STEP 7 C	 web-based management 	Yes
	 MIB support 	Yes
• potr mirroring • multipotr mirroring • with IRT / PROFINET IO witch • PROFINET IO diagnosis • switch-managed • yes • switch-managed PROFINET conformity class protocol / is supported • Telnet • HTTP • BOOTP • BOOTP • BOOTP • SMMP v1 • SMMP v1 • SMMP v2 • SMMP v3 • SMMP v3 • SMMP v3 • SMMP v3 • SMMP v4 • SMMP v5 • SMMP v5 • SMMP v6 • SMMP v6 • SMMP v7 • SMMP v7 • SMMP v8 • SMMP v8 • SMMP v8 • SMMP v8 • SMMP v9 • SMMP v8 • SMMP v9 • SMMP v8 • SMMP v8 • SMMP v8 • SMMP v9 • SMMP v8 • SMMP v9 • SMMP v8 • SMMP v8 • SMMP v8 • SMMP v9 • SMMP v8 • SMMP v8 • SMMP v8 • SMMP v9 • SMMP v9 • SMMP v8 • SMMP v9 • SMMP v8 • SMMP v9 • S	• TRAPs via email	Yes
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with IRT / PROFINET IO switch PROFINET IO diagnosis switch-managed PROFINET conformity class PROFINET conformity class PROFINET conformity class B Protocol / is supported * Telnet * Telne	• port mirroring	Yes
PROFINET IO diagnosis witch-managed Pres PROFINET conformity class protocol / is supported Telnet Telne	 multiport mirroring 	No
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product function • media redundancy protocol (MRP) with redundancy manager • ring redundancy • high speed redundancy protocol (HRP) with redundancy Yes Yes		V
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manager • ring redundancy • high speed redundancy protocol (HRP) with redundancy Yes Yes	·	
high speed redundancy protocol (HRP) with redundancy Yes		Yes
	• ring redundancy	Yes
manager		Yes
	manager	

 high speed redundancy protocol (HRP) with standby 	No
redundancy	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
Parallel Redundancy Protocol (PRP)/Redundant Network	No
Access (RNA)	
passive listening	Yes
product functions / security	
protocol / is supported	
• SSH	Yes
product functions / time	
product function	
SICLOCK support	Yes
protocol / is supported	
NTP	No
• SNTP	Yes
standards, specifications, approvals	165
certificate of suitability	Voc
CE marking KC approval	Yes
KC approval Regulatory Compliance Mark (DCM)	Yes
Regulatory Compliance Mark (RCM)	Yes
standard	EN 04000 0 4 0004 (Cl A)
for EMC interference emission	EN 61000-6-4:2001 (Class A)
for immunity to EMC	EN 61000-6-2:2001
for safety / from CSA and UL	UL 60950-1 E115352, CSA C22.2 No. 60950-1
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 50155 	No
 railway application in accordance with EN 50124-1 	No
RoHS conformity	Yes
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
Lloyds Register of Shipping (LRS)Nippon Kaiji Kyokai (NK)	Yes Yes
Polski Rejestr Statkow (PRS) Pougl legithting (Alayal Asabitasta (PINA)	Yes
Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / Environmental Product Do	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	115.41 kg
 during manufacturing 	16.65 kg
 during operation 	98.31 kg
after end of life	0.45 kg
product functions / general	
MTBF	54.8 a
reference code	
 according to IEC 81346-2 	KF
 according to IEC 81346-2:2019 	KFE
Warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
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internet link

• to website: Selection guide for cables and connectors

• to web page: selection aid TIA Selection Tool

• to website: Industrial communication

• to web page: SiePortal

• to website: Image database

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

https://support.industry.siemens.com/cs/ww/en/view/109766358

https://www.siemens.com/tstcloud

https://www.siemens.com/simatic-net

https://sieportal.siemens.com/

https://www.automation.siemens.com/bilddb

https://www.siemens.com/cax

https://support.industry.siemens.com

security information

security information

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Approvals / Certificates

General Product Approval



Declaration of Conformity





Miscellaneous



EMV For use in hazardous locations Marine / Shipping

<u>KC</u>





<u>FM</u>

CCC-Ex



Marine / Shipping







NK / Nippon Kaiji Ky-





Environment

Industrial Communication

Confirmation

PROFINET

last modified:

1/28/2025

