SIEMENS

Data sheet   **6GK5204-0BA00-2AF2**

SCALANCE XF204, flat, Managed IE switch, 4x 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	XF204
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	4
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	
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	2.64 W
● supply voltage / 1 / rated value	18 ... 32 V
● consumed current / 1 / maximum	0.11 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 %

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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 DIN-rail mounting	Yes
● wall mounting	No
● S7-300 rail mounting	No
● S7-1500 rail mounting	No
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
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
● port mirroring	Yes
● multiport mirroring	No
● with IRT / PROFINET IO switch	No
● PROFINET IO diagnosis	Yes
● switch-managed	Yes
PROFINET conformity class	B
protocol / is supported	
● Telnet	Yes
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes
● BOOTP	No
● DCP	Yes
● LLDP	Yes
● SNMP v1	Yes
● SNMP v2	Yes
● SNMP v3	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
product functions / DHCP	
product function	
● DHCP client	Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
● media redundancy protocol (MRP) with redundancy manager	Yes
● ring redundancy	Yes
● high speed redundancy protocol (HRP) with redundancy	Yes

manager	
● high speed redundancy protocol (HRP) with standby redundancy	No
● Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
● 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	
certificate of suitability	
● CE marking	Yes
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
standard	
● for EMC interference emission	EN 61000-6-4:2001 (Class A)
● for immunity to EMC	EN 61000-6-4:2001
● 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)	Yes
● Nippon Kaiji Kyokai (NK)	Yes
● Polski Rejestr Statkow (PRS)	No
● Royal Institution of Naval Architects (RINA)	Yes

standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	100.09 kg
● during manufacturing	16.65 kg
● during operation	82.99 kg
● after end of life	0.45 kg

product functions / general	
MTBF	48.03 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

further information / internet links

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

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Approvals / Certificates

General Product Approval

CE EG-Konf.	Declaration of Conformity	CCC	EAC	UL	Miscellaneous

General Product Approval	EMV	For use in hazardous locations			
RCM	KC	IECEx	ATEX	FM	CCC-Ex

Maritime application

ABS	BUREAU VERITAS	DNV	Lloyd's Register LRS	NK / Nippon Kaiji Kyokai	PRS

Maritime application	Environment	Industrial Communication
RINA	Confirmation — EPD	PROFINET

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