6GK5204-2BC00-2AF2

Data sheet



SCALANCE XF204-2, flat, Managed IE switch, 4x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s FO ports, Error signaling contact with set button, Redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, Cplug optional

product type designation	SCALANCE XF204-2	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	4	
number of 10/100 Mbit/s RJ45 ports / integrated		
with securing collar	4	
number of 100 Mbit/s ST(BFOC) ports		
• for multimode	2	
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		
product component / connection for redundant voltage	Yes	
supply	DC	
type of voltage / 1 / of the supply voltage	24 V	
supply voltage / 1 / rated value power less IM/ / 1 / rated value	5.28 W	
power loss [W] / 1 / rated value supply voltage / 1 / rated value	18 32 V	
supply voltage / 1 / rated value		
consumed current / 1 / maximum type of electrical connection / 1 / for newer supply	0.22 A	
type of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input.	4-pole terminal block	
product component / 1 / fusing at power supply input	Yes	
ambient conditions		
ambient temperature	40	
 during operation 	-40 +60 °C	

olding storage during storage during storage during storage during strasport inoto if the IE-Switch XF-200 is installed horizontally, a maximum ambient temperature of +40 °C is permitted imaximum summum summ	a during atorogo	-40 +70 °C
relative humidity **al 25 °C / Without condensation / during operation / protection class IP		
relative humidity • at 25 °C / without condensation / during operation / maximum / motive condensation / during operation / maximum / protection class IP	-	
relative humidity • at 25°C / without condensation / during operation / maximum protection class IP dissign, dimensions and weights design filet width 75 mm height 125 mm deght 125 mm deght 25 mm to phat DIN rail mounting • Si min to phat DIN rail mounting • No • Si min to phat DIN rail mounting • No • Si min to phat DIN rail mounting • No • Si min to phat DIN rail mounting • No • Si min to phat DIN rail mounting • No • Si min to phat DIN rail mounting • No • Si min to phat Tunction signal propagation time) product function • CLI • Yes • ITAP's wa email • Curlinguration with STEP 7 • Poor minroring • No • PROFINET conformity class • FROP No • PROFINET conformity class • FROP No • Curl Page Stephanologies • FROP No • Curl Page Stephanologies • Si Min Higher level designation/location designation • product function • pot diagnostics • statistics Packet Size • statistics packet Size • statistics packet Size • error statistics • error statistics	• Hote	
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design Flat Width 75 mm Flat Width 75 mm Flat Width 75 mm Flat 125 mm Gepth 73 mm Flat 125 mm	protection class IP	IP20
design width 75 mm height 125 mm height 125 mm height 125 mm height 0.25 kg 135 mm height 0.25 kg 135 mm height 0.25 kg 135 mm height 10.25 kg 135 mm height 10.	·	
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depth net weight fasterning method • 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting • No • Preconfiguration time of <-0.3\> • cascading in the case of a redundant ring / at reconfiguration interest of the reconfiguration interest of th		
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• 35 mm top hat DIN rail mounting • x87-300 rail mounting • x87-300 rail mounting • x87-4500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of https://dx.ncbi.net/ cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • Ves • web-based management • Yes • Mills support • TRAPs via email • configuration with STEP 7 • yes • port mirroring • with IRT / PROFINET IO switch • PROFINET IO diagnosis • PROFINET conformity class product function / switch-managed • Telnet • HTTP • Yes • TEINE • TEITP • Yes • TEITP • Yes • SOOTP • No • DCP • LLDP • SNMP v1 • SNMP v2 • SNMP v2 • SNMP v3 • SNMP v3 • Jess diagnostics product functions a maintenance function • I&M0 - device-specific information • Jest - Higher level designation/location designation • port diagnostics product functions / diagnostics product functions / diagnostics • reconstitutions • Yes • error statistics • Yes • error statistics		0.20 kg
wall mounting		Voc
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S7-1500 rail mounting		
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Product function		
	product functions / management, configuration, engineering	ng
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with IRT / PROFINET IO switch		No
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I&M1 – higher level designation/location designation product functions / diagnostics product function port diagnostics		Vee
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 statistics Packet Size statistics packet type error statistics Yes Yes 	•	
 statistics packet type error statistics Yes 		
• error statistics Yes	statistics Packet Size	Yes
	 statistics packet type 	Yes
product functions / DHCP	error statistics	Yes
	product functions / DHCP	

product function	
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 redundancy 	No
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function • media redundancy protocol (MRP) with redundancy manager	Yes
 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	
standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
for emitted interference	EN 61000-6-4:2001 (Class A)
 for interference immunity 	EN 61000-6-2:2001
MTBF	43.58 y
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environn	nents
standard / for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X
• from CSA and UL	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
certificate of suitability	
CCC / for hazardous zone according to GB standard	Yes
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
• C-Tick	Yes
KC approval	Yes
railway application in accordance with EN 50155	No
• railway application in accordance with EN 50124-1	No
standards, specifications, approvals / marine classification	1
Marine classification association	
	Yes
 American Bureau of Shipping Europe Ltd. (ABS) 	160
Eronoh marina alassification assists (DM)	Vos
French marine classification society (BV) Dat Naryles Verites (DNN)	Yes
Det Norske Veritas (DNV)	No
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Yes • Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) Yes • Royal Institution of Naval Architects (RINA) 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 • to website: CAx-Download-Manager http://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 security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit

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