



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 pushbutton, redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-PLUG optional.

<b>product type designation</b>	<b>SCALANCE XF204-2</b>
<b>transfer rate</b>	
transfer rate	10 Mbit/s, 100 Mbit/s
<b>interfaces / for communication / maximum configuration for modular devices</b>	
number of electrical ports / maximum	4
number of optical ports / maximum	2
<b>interfaces / for communication / integrated</b>	
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
<b>interfaces / other</b>	
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
<b>signal inputs/outputs</b>	
operating voltage / of the signaling contacts	
• at DC / rated value	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
<b>supply voltage, current consumption, power loss</b>	
product component / connection for redundant voltage supply	Yes
<b>type of voltage / 1 / of the supply voltage</b>	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	5.28 W
• supply voltage / 1 / rated value	18 ... 32 V
• consumed current / 1 / maximum	0.22 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
<b>ambient conditions</b>	
ambient temperature	
• during operation	-40 ... +60 °C

<ul style="list-style-type: none"> <li>during storage</li> <li>during transport</li> <li>note</li> </ul>	-40 ... +70 °C -40 ... +70 °C If the IE-Switch XF-200 is installed horizontally, a maximum ambient temperature of +40 °C is permitted
relative humidity <ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP20
<b>design, dimensions and weights</b>	
design	Flat
width	75 mm
height	125 mm
depth	73 mm
net weight	0.25 kg
fastening method <ul style="list-style-type: none"> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> <li>S7-300 rail mounting</li> <li>S7-1500 rail mounting</li> </ul>	Yes No No No
<b>product features, product functions, product components / general</b>	
cascading in the case of a redundant ring / at reconfiguration time of <1~0.3~s	100
cascading in cases of star topology	any (depending only on signal propagation time)
<b>product functions / management, configuration, engineering</b>	
product function <ul style="list-style-type: none"> <li>CLI</li> <li>web-based management</li> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>with IRT / PROFINET IO switch</li> <li>PROFINET IO diagnosis</li> </ul>	Yes Yes Yes Yes Yes Yes No No Yes
PROFINET conformity class	B
product function / switch-managed	Yes
protocol / is supported <ul style="list-style-type: none"> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>TFTP</li> <li>FTP</li> <li>BOOTP</li> <li>DCP</li> <li>LLDP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> </ul>	Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes
identification & maintenance function <ul style="list-style-type: none"> <li>I&amp;M0 - device-specific information</li> <li>I&amp;M1 - higher level designation/location designation</li> </ul>	Yes Yes
<b>product functions / diagnostics</b>	
product function <ul style="list-style-type: none"> <li>port diagnostics</li> <li>statistics Packet Size</li> <li>statistics packet type</li> <li>error statistics</li> </ul>	Yes Yes Yes Yes
<b>product functions / DHCP</b>	
product function <ul style="list-style-type: none"> <li>DHCP client</li> </ul>	Yes
<b>product functions / redundancy</b>	

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
<b>product functions / security</b>	
protocol / is supported	
• SSH	Yes
<b>product functions / time</b>	
product function	
• SICLOCK support	Yes
protocol / is supported	
• NTP	No
• SNTP	Yes
<b>standards, specifications, approvals</b>	
standard	
• for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X
• for emitted interference	EN 61000-6-4:2001 (Class A)
• for interference immunity	EN 61000-6-2:2001
MTBF	43.58 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
<b>standards, specifications, approvals / CE</b>	
certificate of suitability / CE marking	Yes
<b>standards, specifications, approvals / hazardous environments</b>	
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, E240480
certificate of suitability	
• CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
• for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)
<b>standards, specifications, approvals / other</b>	
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
<b>standards, specifications, approvals / marine classification</b>	
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

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Selection guide for cables and connectors
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/tia-selection-tool>  
<http://www.siemens.com/simatic-net>  
<https://mall.industry.siemens.com>  
<http://www.siemens.com/industry/infocenter>  
<https://sie.ag/2QdlxcP>  
<http://automation.siemens.com/bilddb>  
<http://www.siemens.com/cax>  
<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, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit <https://www.siemens.com/industrialsecurity>. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under <https://www.siemens.com/cert>. (V4.6)

#### 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

[FM](#)

[CCC-Ex](#)



##### Declaration of Conformity

##### Marine / Shipping

[Manufacturer Declaration](#)



[NK / Nippon Kaiji Kyokai](#)

##### Marine / Shipping

##### other

##### Environment



[PROFINET-Certification](#)



last modified:

11/9/2023