

Product type designation

SCALANCE XF204-2

SCALANCE XF204-2, FLAT, MANAGED IE SWITCH, 4 X 10/100MBIT/S RJ45 PORTS, 2 X 100MBIT/S FO PORTS, FAULT SIGNAL CONTACT WITH SET- BUTTON, REDUNDANT POWER SUPPLY, PROFINET-IO DEVICE, NETWORKMANAGEMENT, RED.- MANAGER INTEGRATED, INCL. MANUAL ON CD, C-PLUG OPTIONAL



Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
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Interfaces / for communication / integrated

Number of electrical connections	
• for network components or terminal equipment	4
Number of 100 Mbit/s ST(BFOC) ports	
• for multimode	2
Number of 100 Mbit/s SC ports	
• for multimode	0
Number of 1000 Mbit/s LC ports	
• for multimode	0
• for single mode (LD)	0

Interfaces / others

Number of electrical connections	
• for signaling contact	1
• for power supply	1
• for redundant voltage 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
Operating current / of the signaling contacts	
• at DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external	18 ... 32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	1.1 A / 33 V
Consumed current / maximum	0.22 A
Power loss [W]	
• at DC / at 24 V	5.28 W

Permitted 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 %
Protection class IP	IP20

Design, dimensions and weight

Design	Flat
Width	75 mm
Height	125 mm
Depth	73 mm
Net weight	0.25 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	No
• S7-300 rail mounting	No

- S7-1500 rail mounting

No

Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of $< \sim 0.3 \text{ s}$

100

Cascading in cases of star topology

any (depending only on signal propagation time)

Product functions / management, configuration

Product function

- CLI
- web-based management
- MIB support
- TRAPs via email
- Configuration with STEP 7
- Port mirroring
- multiport mirroring
- with IRT / PROFINET IO switch
- PROFINET IO diagnosis
- switch-managed

Yes
Yes
Yes
Yes
Yes
Yes
No
No
Yes
Yes

Protocol / is supported

- Telnet
- HTTP
- HTTPS
- TFTP
- FTP
- BOOTP
- DCP
- LLDP

Yes
Yes
Yes
Yes
Yes
No
Yes
Yes

Identification & maintenance function

- I&M0 - device-specific information
- I&M1 – higher-level designation/location designation

Yes
Yes

Protocol / is supported

- SNMP v1
- SNMP v2
- SNMP v3

Yes
Yes
Yes

Product functions / Diagnosis

Product function

- Port diagnostics
- Statistics Packet Size
- Statistics packet type
- Error statistics

Yes
Yes
Yes
Yes

Product functions / DHCP

Product function

- DHCP client

Yes

Product functions / Redundancy

Product function

- Ring redundancy
- High Speed Redundancy Protocol (HRP)
- high speed redundancy protocol (HRP) with redundancy manager
- high speed redundancy protocol (HRP) with standby redundancy

Yes

Yes

Yes

No

Protocol / is supported / Media Redundancy Protocol (MRP)

Yes

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

Yes

Yes

No

Yes

Product functions / Security

Protocol / is supported

- SSH

Yes

Product functions / Time

Product function

- SICLOCK support

Yes

Protocol / is supported

- NTP
- SNTP

No

Yes

Standards, specifications, approvals

Standard

- for FM
- for hazardous zone
- for safety / from CSA and UL
- for hazardous zone / from CSA and UL
- for emitted interference
- for interference immunity

FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4

EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X

UL 60950-1, CSA C22.2 No. 60950-1

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

EN 61000-6-4:2001 (Class A)

EN 61000-6-2:2001

Certificate of suitability / CE marking

Yes

Certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
• C-Tick	Yes
• Railway application in accordance with EN 50155	No
• Railway application in accordance with EN 50124-1	No
• KC approval	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Germanische Lloyd (GL)	No
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	No
• Royal Institution of Naval Architects (RINA)	No
MTBF / at 40 °C	43.58 y

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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

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