



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.

product type designation	SCALANCE XF204-2
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	4
number of optical ports / maximum	2
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 supply	Yes
type of voltage / 1 / of the supply voltage	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
ambient conditions	
ambient temperature	
• during operation	-40 ... +60 °C

- during storage - during transport - note	-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 at 25 °C / without condensation / during operation / maximum	95 %
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 top hat DIN rail mounting - wall mounting - S7-300 rail mounting - S7-1500 rail mounting	Yes No No No
product features, product functions, product components / general	
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)
product functions / management, configuration, engineering	
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	Yes Yes Yes Yes Yes Yes No No Yes
PROFINET conformity class	B
product function / switch-managed	Yes
protocol / is supported - Telnet - HTTP - HTTPS - TFTP - FTP - BOOTP - DCP - LLDP - SNMP v1 - SNMP v2 - SNMP v3	Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes
identification & maintenance function - I&M0 - device-specific information - I&M1 - higher level designation/location designation	Yes Yes
product functions / diagnostics	
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	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, 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
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
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
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
• for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)
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	
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: 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>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

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