

Product type designation

SCALANCE X101-1
SCALANCE X101-1, IE MEDIA CONVERTER UNMANAGED 1 X 10/100MBIT/S RJ45 PORT, 1 X 100MBIT/S MULTIMODE BFOC, LED DIAGNOSIS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET COMPLIANT SLEEVE, MANUAL AVAILABLE AS DOWNLOAD



Transmission rate	
Transfer rate	100 Mbit/s
Interfaces	
Number of electrical/optical connections / for network components or terminal equipment / maximum	2
Number of electrical connections	
• for network components or terminal equipment	1
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for network components or terminal equipment	RJ45 port
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
Number of optical interfaces	
• for fiber optic cable / at 100 Mbit/s	1
Design of the optical interface	
• for fiber optic cable / at 100 Mbit/s	BFOC-Port (Multimode up to 5 km)

Connectable optical power relative to 1 mW	
• of the transmitter output / minimum	-19 dB
• of the transmitter output / maximum	-14 dB
• of the receiver input / maximum	-14 dB
Optical sensitivity relating to 1 mW / of the receiver input / minimum	-31 dB
Damping ratio / of the FOC transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 5 km

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

Supply voltage	
• external	24 V
• external	18 ... 32 V
Type of voltage / of the supply voltage	DC
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.5 A / 60 V
Consumed current	
• maximum	0.12 A
Power loss [W]	
• at DC / at 24 V	3 W

Permitted ambient conditions

Ambient temperature	
• during operation	-10 ... +60 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP30

Design, dimensions and weight

Design	Compact
Width	40 mm
Height	125 mm
Depth	124 mm
Net weight	0.55 kg
Mounting type	
• 35 mm DIN rail mounting	Yes

- S7-300 rail mounting
- wall mounting

Yes

Yes

Product functions / Redundancy

Product function

- Parallel Redundancy Protocol (PRP)/operation in the PRP-network
- Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)

No

No

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 / T.., Class 1, Zone 2, Group IIC, T..

EN 600079-15 II 3 G EEx nA II T.. KEMA 06 ATEX 0021 X

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

UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T.., Class 1 / Zone 2 / Group IIC / T..

EN 61000-6-3

EN 61000-6-4:2001

Certificate of suitability

- CE marking
- C-Tick
- KC approval
- Marine classification association / American Bureau of Shipping Europe Ltd. (ABS)
- Marine classification association / Bureau Veritas (BV)
- Marine classification association / Det Norske Veritas (DNV)
- Marine classification association / Germanische Lloyd (GL)
- Marine classification association / Lloyds Register of Shipping (LRS)
- Marine classification association / Nippon Kaiji Kyokai (NK)
- Marine classification association / Polski Rejestr Statkow (PRS)

EN 61000-6-2:2001, EN 61000-6-4:2001

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

No

MTBF / at 40 °C

134 y

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

Security information

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last modified:

10.02.2016