

product type designation



SCALANCE X101-1

SCALANCE X101-1, IE Media converter unmanaged 1x 10/100 Mbit/s RJ45 port, 1x 100 Mbit/s Multimode BFOC, LED diagnostics, error signaling Contact with Set pushbutton Redundant power supply, PROFINET-compliant securing collars, Manual available as a download available

transfer rate	
transfer rate	100 Mbit/s
interfaces	
number of electrical/optical connections / for network components or terminal equipment / maximum	2
number of electrical connections	
<ul style="list-style-type: none"> for network components or terminal equipment for signaling contact for power supply for redundant voltage supply 	1 1 1 1
type of electrical connection	
<ul style="list-style-type: none"> for network components or terminal equipment for signaling contact for power supply 	RJ45 port 2-pole terminal block 4-pole terminal block
number of optical interfaces	
<ul style="list-style-type: none"> for fiber optic cable / at 100 Mbit/s 	1
design of the optical interface	
<ul style="list-style-type: none"> for fiber optic cable / at 100 Mbit/s 	BFOC-Port (Multimode up to 5 km)
connectable optical power relative to 1 mW	
<ul style="list-style-type: none"> of the transmitter output / minimum of the transmitter output / maximum of the receiver input / maximum 	-19 dB -14 dB -14 dB
optical sensitivity relating to 1 mW / of the receiver input / minimum	-31 dB
attenuation factor / 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	
<ul style="list-style-type: none"> at DC / rated value 	24 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> at DC / maximum 	0.1 A
supply voltage, current consumption, power loss	
supply voltage	
<ul style="list-style-type: none"> external external 	24 V 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
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 weights	
design	Compact
width	40 mm
height	125 mm
depth	124 mm
net weight	0.55 kg
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• S7-300 rail mounting	Yes
• wall mounting	Yes
product functions / redundancy	
product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	No
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
standards, specifications, approvals	
standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T.., Class 1, Zone 2, Group IIC, T..
• for hazardous zone	EN 600079-15 II 3 G EEx nA II T.. KEMA 06 ATEX 0021 X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for hazardous zone / from CSA and UL	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..
• for emitted interference	EN 61000-6-3
• for interference immunity	EN 61000-6-4:2001
certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
• CE marking	Yes
• C-Tick	Yes
• KC approval	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• French marine classification society (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Germanische Lloyd (GL)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	No
MTBF	134 y
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA 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
- 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

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