

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,
 INCL. ELECTRONIC MANUAL ON CD

Transmission rate

Transfer rate / 2 100 Mbit/s

Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	2
Number of electrical connections	
• for network components and terminal equipment	1
• for alarm contact	1
• for power supply	1
• for redundant power supply	1
Design of electrical connection	
• for network components and terminal equipment	RJ45 port
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
Number of optical interfaces / for optical waveguide	
• at 100 Mbit/s	1
Design of optical interface / for optical waveguide	
• at 100 Mbit/s	BFOC sockets (multimode up to 5 km)
Connectable optical power relative to 1 mW	
• of the transmitter output	-19 ... -14 dB

• of the receiver input / maximum	-14 dB
Optical sensitivity relative to 1 mW / of the receiver input / minimum	-31 dB
Attenuation / of fiber-optic cable transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 5 km
Inputs/outputs	
Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage / of supply voltage	DC
Supply voltage / external	24 V
• minimum	18 V
• maximum	32 V
Product component / fusing at power supply input	Yes
Type of fusing / at input for supply voltage	0,5 A / 60 V
Consumed current / maximum	0.12 A
Active power loss / at 24 V / for DC	3 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-10 ... +60 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
Relative humidity	
• at 25 °C / without condensation / during operating / 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
Type of mounting	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
Standards, specifications, approvals	
Standard	
• for EMC / from FM	FM3611: Class 1, Division 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 / of CSA and UL
- for hazardous area / of CSA and UL
- for emitted interference
- for interference immunity

Verification of suitability

- CE mark
- C-Tick
- KC approval

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)

letzte Änderung:

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 61000-6-2:2001

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

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

No

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