

Product type designation

SCALANCE X101-1LD



SCALANCE X101-1LD IE MEDIA CONVERTER
UNMANAGED 1 X 10/100MBIT/S RJ45 PORT,
1 X 100MBIT/S SINGLEMODE 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
- for alarm contact
- for power supply
- for redundant power supply

1
1
1
1

Design of electrical connection

- for network components and terminal equipment
- for signaling contact
- for power supply

RJ45 port
2-pole terminal block
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 port (singlemode up to 26 km)

Connectable optical power relative to 1 mW

- of the transmitter output

-5 dB ... 0 dB

• of the receiver input / maximum	0 dB
Optical sensitivity relative to 1 mW / of the receiver input / minimum	-35 dB
Attenuation / of fiber-optic cable transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 km ... 26 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
Consumed current / maximum	0.12 A
Active power loss / at 24 V / for DC	3 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-10 °C ... 60 °C
• during storage	-40 °C ... 80 °C
• during transport	-40 °C ... 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	UL 60950-1, CSA C22.2 No. 60950-1

• for hazardous area / of CSA and UL

• for emitted interference

• for interference immunity

Verification of suitability

• CE mark

• C-Tick

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 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 61000-6-4:2001

EN 61000-6-2:2001

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

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

No

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