

product type designation



X101-1LD

***** spare part ***** SCALANCE X101-1LD IE media converter
unmanaged 1x 10/100 Mbps RJ45 port, 1x 100 Mbps single-mode BFOC, LED
diagnostics, error signaling contact with set pushbutton, redundant power supply,
PROFINET-compliant securing collars, manual available as a download

product brand name

SCALANCE

transfer rate

transfer rate

100

interfaces

number of electrical/optical connections / for network components or terminal equipment / maximum

2

number of electrical connections

- for network components or terminal equipment
- for signaling contact
- for power supply
- for redundant voltage supply

1
1
1
1

type of electrical connection

- 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

- for fiber optic cable / at 100 Mbit/s

1

design of the optical interface

- for fiber optic cable / at 100 Mbit/s

ST/BFOC-Port

connectable optical power relative to 1 mW

- of the transmitter output / minimum
- of the transmitter output / maximum
- of the receiver input / maximum

-5 dB
0 dB
0 dB

optical sensitivity relating to 1 mW / of the receiver input / minimum

-35 dB

attenuation factor / of the FOC transmission link / minimum necessary

0 dB

range / at the optical interface / depending on the optical fiber used

0 ... 26 km

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

supply voltage

- 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 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, Division 2, Group A, B, C, D / T.., Class 1, Zone 2, Group IIC, T..
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4:2001
• 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 a
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-15 II 3 G EEx nA II T.. KEMA 06 ATEX 0021 X
• 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..
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
• as marking	Ex nA IIC T4 Gc
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://www.siemens.com/tstcloud>
<https://www.siemens.com/simatic-net>
<https://sieportal.siemens.com/>
<https://www.automation.siemens.com/bilddb>
<https://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

security information

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Approvals / Certificates

General Product Approval



EG-Konf.

[Declaration of Con-
formity](#)



CCC



[China RoHS](#)

[Manufacturer Declara-
tion](#)

General Product Approval

EMV



UL

[Miscellaneous](#)



RCM



EG-Konf.



For use in hazardous locations

Maritime application



ATEX



IECEX

[FM](#)



KEMA

[CCC-Ex](#)



ABS

Maritime application



BUREAU
VERITAS



DNV



LRS

[NK / Nippon Kaiji Ky-
okai](#)



PRS



RINA

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