

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

• 2	100 Mbit/s
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 signaling 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	5-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	ST/SC-Port
Connectable optical power relative to 1 mW	
• of the transmitter output	
• minimum	-5 dB

<ul style="list-style-type: none"> • maximum 	0 dB
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • minimum 	0 km
<ul style="list-style-type: none"> • maximum 	26 km
Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A
Type of / supply voltage	DC
Supply voltage / external	24 V
<ul style="list-style-type: none"> • minimum 	18 V
<ul style="list-style-type: none"> • 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
Ambient temperature	
<ul style="list-style-type: none"> • during operating 	-10 ... +60 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +80 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +80 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP30
Design	Compact
Width	40 mm
Height	125 mm
Depth	124 mm
Net weight	0.55 kg
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • S7-300 rail mounting 	Yes
Standard	
<ul style="list-style-type: none"> • for EMC / from FM 	FM3611: Class 1, Division 2, Group A, B, C, D / T..., Class 1, Zone 2, Group IIC, T..
<ul style="list-style-type: none"> • for hazardous zone 	EN 600079-15 II 3 G EEx nA II T.. KEMA 06 ATEX 0021 X
<ul style="list-style-type: none"> • for safety / of CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> • for hazardous area / of 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 61000-6-4:2001
• for interference immunity	EN 61000-6-4:2001
Verification of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
• CE mark	Yes
• C-Tick	Yes
• KC approval	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (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

Further Information / Internet Links

Internet-Link	
• to website: Industry Mall	http://www.siemens.com/industrial-controls/mall
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	http://support.automation.siemens.com

letzte Änderung: Jun 16, 2014