

Product type designation

SCALANCE X101-1FL



SCALANCE X101-1FL IE MEDIA CONVERTER
UNMANAGED 1 X 10MBIT/S RJ45 PORT,
1 X 10MBIT/S MULTIMODE BFOC,
LED DIAGNOSIS,
FAULT SIGNAL. CONTACT WITH SET BUTTON,
REDUNDANT POWER SUPPLY,
PROFINET COMPLIANT SLEEVE,
INCL. ELECTRONIC MANUAL ON CD

Transmission rate

• 1	10 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
Number of optical interfaces / for optical waveguide	
• at 10 Mbit/s	1
Design of optical interface / for optical waveguide	
• at 10 Mbit/s	BFOC port (multimode up to 5 km)
Connectable optical power relative to 1 mW	
• of the transmitter output	
• minimum	-16 dB
• maximum	-9 dB

• of the receiver input / maximum	-8.2 dB
Optical sensitivity relative to 1 mW / of the receiver input / minimum	-30.6 dB
Attenuation / of fiber-optic cable transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	
• minimum	0 km
• maximum	5 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
• 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
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	Compact
Width	40 mm
Height	125 mm
Depth	124 mm
Net weight	0.55 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
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	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
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
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