



SCALANCE X101-1, IE Media converter unmanaged 1x 10/100 Mbit/s RJ45 port, 1x 100 Mbit/s Multimode BFOC, LED diagnostics, error signaling Contact with Set pushbutton Redundant power supply, PROFINET-compliant securing collars, Manual available as a download available.

transfer rate	
transfer rate	100 Mbit/s
Interfaces	
number of electrical/optical connections / for network components or terminal equipment / maximum	2
number of electrical connections	
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> <li>for signaling contact</li> <li>for power supply</li> <li>for redundant voltage supply</li> </ul>	1 1 1 1
type of electrical connection	
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> <li>for signaling contact</li> <li>for power supply</li> </ul>	RJ45 port 2-pole terminal block 4-pole terminal block
number of optical interfaces	
<ul style="list-style-type: none"> <li>for fiber optic cable / at 100 Mbit/s</li> </ul>	1
design of the optical interface	
<ul style="list-style-type: none"> <li>for fiber optic cable / at 100 Mbit/s</li> </ul>	BFOC-Port (Multimode up to 5 km)
connectable optical power relative to 1 mW	
<ul style="list-style-type: none"> <li>of the transmitter output / minimum</li> <li>of the transmitter output / maximum</li> <li>of the receiver input / maximum</li> </ul>	-19 dB -14 dB -14 dB
optical sensitivity relating to 1 mW / of the receiver input / minimum	-31 dB
attenuation factor / of the FOC transmission link / minimum necessary	0 dB
range / at the optical interface / depending on the optical fiber used	0 ... 5 km
signal inputs/outputs	
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> <li>at DC / rated value</li> </ul>	24 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> <li>at DC / maximum</li> </ul>	0.1 A
supply voltage, current consumption, power loss	
supply voltage	
<ul style="list-style-type: none"> <li>external</li> <li>external</li> </ul>	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	
<ul style="list-style-type: none"> <li>● maximum</li> </ul>	0.12 A
power loss [W]	
<ul style="list-style-type: none"> <li>● at DC / at 24 V</li> </ul>	3 W
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>● during operation</li> </ul>	-10 ... +60 °C
<ul style="list-style-type: none"> <li>● during storage</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>● during transport</li> </ul>	-40 ... +80 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP30
<b>design, dimensions and weights</b>	
design	Compact
width	40 mm
height	125 mm
depth	124 mm
net weight	0.55 kg
fastening method	
<ul style="list-style-type: none"> <li>● 35 mm top hat DIN rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● S7-300 rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● wall mounting</li> </ul>	Yes
<b>product functions / redundancy</b>	
product function	
<ul style="list-style-type: none"> <li>● Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>	No
<ul style="list-style-type: none"> <li>● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	No
<b>standards, specifications, approvals</b>	
standard	
<ul style="list-style-type: none"> <li>● for FM</li> </ul>	FM3611: Class 1, Divison 2, Group A, B, C, D / T..., Class 1, Zone 2, Group IIC, T..
<ul style="list-style-type: none"> <li>● for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> <li>● for emitted interference</li> </ul>	EN 61000-6-3
<ul style="list-style-type: none"> <li>● for interference immunity</li> </ul>	EN 61000-6-4:2001
certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
<ul style="list-style-type: none"> <li>● CE marking</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● C-Tick</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● KC approval</li> </ul>	Yes
Marine classification association	
<ul style="list-style-type: none"> <li>● American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● French marine classification society (BV)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● Det Norske Veritas (DNV)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● Germanische Lloyd (GL)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● Lloyds Register of Shipping (LRS)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● Nippon Kaiji Kyokai (NK)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>● Polski Rejestr Statkow (PRS)</li> </ul>	No
MTBF	134 y
<b>standards, specifications, approvals / hazardous environments</b>	
standard / for hazardous zone	EN 600079-15 II 3 G EEx nA II T.. KEMA 06 ATEX 0021 X
<ul style="list-style-type: none"> <li>● from CSA and UL</li> </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
<b>further information / internet-Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>● to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>● to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>● to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>● to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>● to website: CAx-Download-Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>

security information

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