



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 | |
| • for network components or terminal equipment | 1 |
| • for signaling contact | 1 |
| • for power supply | 1 |
| • for redundant voltage supply | 1 |
| type of electrical connection | |
| • for network components or terminal equipment | RJ45 port |
| • for signaling contact | 2-pole terminal block |
| • for power supply | 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 | BFOC-Port (Multimode up to 5 km) |
| connectable optical power relative to 1 mW | |
| • of the transmitter output / minimum | -19 dB |
| • of the transmitter output / maximum | -14 dB |
| • of the receiver input / maximum | -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 | |
| • 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 | 24 V |
| • external | 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"> ● maximum | 0.12 A |
| power loss [W] | |
| <ul style="list-style-type: none"> ● at DC / at 24 V | 3 W |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> ● during operation | -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 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 | |
| <ul style="list-style-type: none"> ● 35 mm top hat DIN rail mounting | Yes |
| <ul style="list-style-type: none"> ● S7-300 rail mounting | Yes |
| <ul style="list-style-type: none"> ● wall mounting | Yes |
| product functions / redundancy | |
| product function | |
| <ul style="list-style-type: none"> ● Parallel Redundancy Protocol (PRP)/operation in the PRP-network | No |
| <ul style="list-style-type: none"> ● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| standards, specifications, approvals | |
| standard | |
| <ul style="list-style-type: none"> ● for FM | FM3611: Class 1, Divison 2, Group A, B, C, D / T..., Class 1, Zone 2, Group IIC, T.. |
| <ul style="list-style-type: none"> ● for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 |
| <ul style="list-style-type: none"> ● for emitted interference | EN 61000-6-3 |
| <ul style="list-style-type: none"> ● for interference immunity | EN 61000-6-4:2001 |
| certificate of suitability | EN 61000-6-2:2001, EN 61000-6-4:2001 |
| <ul style="list-style-type: none"> ● CE marking | Yes |
| <ul style="list-style-type: none"> ● C-Tick | Yes |
| <ul style="list-style-type: none"> ● KC approval | Yes |
| Marine classification association | |
| <ul style="list-style-type: none"> ● American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| <ul style="list-style-type: none"> ● French marine classification society (BV) | Yes |
| <ul style="list-style-type: none"> ● Det Norske Veritas (DNV) | Yes |
| <ul style="list-style-type: none"> ● Germanische Lloyd (GL) | Yes |
| <ul style="list-style-type: none"> ● Lloyds Register of Shipping (LRS) | Yes |
| <ul style="list-style-type: none"> ● Nippon Kaiji Kyokai (NK) | Yes |
| <ul style="list-style-type: none"> ● Polski Rejestr Statkow (PRS) | No |
| MTBF | 134 y |
| standards, specifications, approvals / hazardous environments | |
| 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"> ● 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 |
| further information / internet-Links | |
| Internet-Link | |
| <ul style="list-style-type: none"> ● to website: Industrial communication | http://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> ● to website: Industry Mall | https://mall.industry.siemens.com |
| <ul style="list-style-type: none"> ● to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| <ul style="list-style-type: none"> ● to website: Image database | http://automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> ● to website: CAx-Download-Manager | http://www.siemens.com/cax |

security information

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