

Product-type designation

SCALANCE XB004-1LDG



SCALANCE XB004-1LDG UNMANAGED INDUSTRIAL ETHERNET SWITCH FOR 10/100/1000MBIT/S;
W. 4 X 10/100/1000MBIT/S RJ45- ELECTRICAL PORTS AND 1 X1000MBIT/S SC-PORT OPTICAL (SINGLEMODE, GLASS),
UP TO MAX. 10KM FOR ESTABLISHING SMALL STAR- AND LINE TOPOGRAPHIES;
LED-DIAGNOSTICS, IP20,
24 V DC POWER SUPPLY, INCL. MANUAL

Transmission rate

Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s
Transfer rate / 3	1000 Mbit/s

Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	5
Number of electrical connections	
• for network components and terminal equipment	4
• for power supply	1
Design of electrical connection	
• for network components and terminal equipment	RJ45 port
• for power supply	3-pole terminal block
Number of optical interfaces / for optical waveguide	
• at 1000 Mbit/s	1
Design of optical interface / for optical waveguide	
• at 1000 Mbit/s	SC port (singlemode up to 10 km)
Connectable optical power relative to 1 mW	
• of the transmitter output	-9.5 ... -3 dB
• of the receiver input / maximum	-3 dB

Optical sensitivity relative to 1 mW / of the receiver input / minimum	-21 dB
Attenuation / of fiber-optic cable transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 10 km
Supply voltage, current consumption, power loss	
Type of voltage / of supply voltage	DC
Supply voltage / external	24 V
• minimum	19.2 V
• maximum	28.8 V
Product component / fusing at power supply input	Yes
Consumed current / maximum	0.52 A
Active power loss / at 24 V / for DC	12.5 W
Permitted ambient conditions	
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	IP20
Design, dimensions and weight	
Design	Box
Width	45 mm
Height	100 mm
Depth	87 mm
Net weight	0.21 kg
Type of mounting	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
Standards, specifications, approvals	
Standard	
• for safety / of CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
Verification of suitability	EN 61000-6-2, EN 61000-6-4
• CE mark	Yes
• C-Tick	Yes
• KC approval	Yes
Marine classification association	
• Det Norske Veritas (DNV)	No

- Germanische Lloyd (GL)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)

letzte Änderung:

No

No

No

No

May 28, 2012