

**Product-type designation**

**SCALANCE XB004-1**



SCALANCE XB004-1 UNMANAGED INDUSTRIAL ETHERNET SWITCH FOR 10/100MBIT/S; WITH 4 X 10/100MBIT/S TWISTED PAIR- PORTS WITH RJ45-SOCKETS; 1 X100MBIT/S MULTIMODE GLASS LWL-PORT WITH SC-SOCKET; FOR CONFIGURING SMALL STAR- AND LINE TOPOGRAPHIES; LED-DIAGNOSIS, IP20, 24 V DC POWER SUPPLY, INCL. MANUAL

**Transmission rate**

Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 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 100 Mbit/s	1
Design of optical interface / for optical waveguide	
• at 100 Mbit/s	SC port (multimode up to 5 km)
Connectable optical power relative to 1 mW	
• of the transmitter output	-19 ... -14 dB
• of the receiver input / maximum	-14 dB
Optical sensitivity relative to 1 mW / of the receiver input / minimum	-32 dB

Attenuation / of fiber-optic cable transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 5 km
<b>Supply voltage, current consumption, power loss</b>	
Type of voltage / of supply voltage	DC
Supply voltage / external	24 V
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	19.2 V 28.8 V
Product component / fusing at power supply input	Yes
Consumed current / maximum	0.11 A
Active power loss / at 24 V / for DC	2.64 W
<b>Permitted ambient conditions</b>	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operating</li> <li>• during storage</li> <li>• during transport</li> </ul>	-10 ... +60 °C -40 ... +80 °C -40 ... +80 °C
Relative humidity	
<ul style="list-style-type: none"> <li>• at 25 °C / without condensation / during operating / maximum</li> </ul>	95 %
Protection class IP	IP20
<b>Design, dimensions and weight</b>	
Design	Box
Width	45 mm
Height	100 mm
Depth	87 mm
Net weight	0.165 kg
Type of mounting	
<ul style="list-style-type: none"> <li>• 35 mm DIN rail mounting</li> <li>• wall mounting</li> </ul>	Yes Yes
<b>Standards, specifications, approvals</b>	
Standard	
<ul style="list-style-type: none"> <li>• for safety / of CSA and UL</li> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4 (Class A) EN 61000-6-2
Verification of suitability	EN 61000-6-2, EN 61000-6-4
<ul style="list-style-type: none"> <li>• CE mark</li> <li>• C-Tick</li> <li>• KC approval</li> </ul>	Yes Yes Yes
Marine classification association	
<ul style="list-style-type: none"> <li>• Det Norske Veritas (DNV)</li> <li>• Germanische Lloyd (GL)</li> </ul>	No No

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

**letzte Änderung:**

No

No

No

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