

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 / supply voltage	DC
Supply voltage / external	24 V
<ul style="list-style-type: none"> • minimum 	19.2 V
<ul style="list-style-type: none"> • maximum 	28.8 V
Product component / fusing at power supply input	Yes
Type of fusing / at input for supply voltage	0,6 A / 60 V
Consumed current / maximum	0.52 A
Active power loss / at 24 V / for DC	12.5 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operating 	-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	
<ul style="list-style-type: none"> • 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
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
Standards, specifications, approvals	
Standard	
<ul style="list-style-type: none"> • for EMC / from FM 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
<ul style="list-style-type: none"> • for safety / of CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
Verification of suitability	EN 61000-6-2, EN 61000-6-4
<ul style="list-style-type: none"> • CE mark 	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"> • Det Norske Veritas (DNV) 	No
<ul style="list-style-type: none"> • Germanische Lloyd (GL) 	No
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	No
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) 	No
<ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) 	No
Further Information / Internet Links	
Internet-Link	
<ul style="list-style-type: none"> • to website: Industry Mall 	http://www.siemens.com/industrial-controls/mall
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/automation/net/catalog
<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
<ul style="list-style-type: none"> • to website: Industry Online Support 	http://support.automation.siemens.com
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