

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 FOC-PORT WITH SC-SOCKET; FOR CONFIGURING SMALL STAR- AND LINE TOPOGRAPHIES; LED-DIAGNOSIS, IP20, 24 V DC POWER SUPPLY, MANUAL AVAILABLE AS DOWNLOAD



Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
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Interfaces

Number of electrical/optical connections	5
<ul style="list-style-type: none"> for network components or terminal equipment / maximum 	
Number of electrical connections	4
<ul style="list-style-type: none"> for network components or terminal equipment 	
Type of electrical connection	RJ45 port
<ul style="list-style-type: none"> for network components or terminal equipment 	
Number of optical interfaces	1
<ul style="list-style-type: none"> for fiber optic cable / at 100 Mbit/s 	
Design of the optical interface	SC port (multimode up to 5 km)
<ul style="list-style-type: none"> for fiber optic cable / at 100 Mbit/s 	
Connectable optical power relative to 1 mW	-19 ... -14
<ul style="list-style-type: none"> of the transmitter output 	
<ul style="list-style-type: none"> of the receiver input / maximum 	

Optical sensitivity relating to 1 mW / of the receiver input / minimum	-32 dB
Damping ratio / of the FOC transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 5 km

Interfaces / for communication / integrated

Number of 100 Mbit/s SC ports	
<ul style="list-style-type: none"> • for multimode 	1
Number of 1000 Mbit/s LC ports	
<ul style="list-style-type: none"> • for multimode • for single mode (LD) 	0 0

Interfaces / others

Number of electrical connections	
<ul style="list-style-type: none"> • for power supply 	1
Type of electrical connection	
<ul style="list-style-type: none"> • for power supply 	3-pole terminal block

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
<ul style="list-style-type: none"> • external • external 	24 V 19.2 ... 28.8 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.11 A
Active power loss	
<ul style="list-style-type: none"> • at DC / at 24 V 	2.64 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport 	-10 ... +60 °C -40 ... +80 °C -40 ... +80 °C
Relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	95 %
Protection class IP	IP20

Design, dimensions and weight

Design	Box
Width	45 mm
Height	100 mm
Depth	87 mm

Net weight	0.165 kg
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • S7-1500 rail mounting 	No

Product functions / management, configuration

Product function	
<ul style="list-style-type: none"> • multiport mirroring 	No
<ul style="list-style-type: none"> • switch-managed 	No

Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> • for FM 	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
<ul style="list-style-type: none"> • for hazardous zone 	EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
<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 61000-6-4 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
Certificate of suitability	EN 61000-6-2, EN 61000-6-4
<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"> • 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
MTBF / at 40 °C	232 y

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<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/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 	https://support.industry.siemens.com

Security information

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