



SCALANCE XB004-1LDG unmanaged Industrial Ethernet Switch for 10/100/1000 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 4x 10/100/1000 Mbit/s RJ45 Ports electrical and 1 x 1000 Mbit/s SC port optical (single-mode, glass), up to max. 10 km Manual available as a download

product type designation		SCALANCE XB004-1LDG
transfer rate		
transfer rate		10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / integrated		
number of electrical connections		
• for network components or terminal equipment		4; RJ45
number of 100 Mbit/s SC ports		
• for multimode		0
number of 1000 Mbit/s SC ports		
• for single mode (LD)		1
interfaces / other		
number of electrical connections		
• for power supply		1
type of electrical connection		
• for power supply		3-pole terminal block
supply voltage, current consumption, power loss		
type of voltage / 1 / of the supply voltage		DC
• supply voltage / 1 / rated value		24 V
• power loss [W] / 1 / rated value		12.5 W
• supply voltage / 1 / rated value		19.2 ... 28.8 V
• consumed current / 1 / maximum		0.52 A
• type of electrical connection / 1 / for power supply		3-pole terminal block
• product component / 1 / fusing at power supply input		Yes
• fuse protection type / 1 / at input for supply voltage		0.6 A / 60 V
ambient conditions		
ambient temperature		
• during operation		-10 ... +60 °C
• during storage		-40 ... +80 °C
• during transport		-40 ... +80 °C
relative humidity		
• at 25 °C / without condensation / during operation / maximum		95 %
protection class IP		IP20
design, dimensions and weights		
design		Box
width		45 mm
height		100 mm
depth		87 mm
net weight		0.21 kg

fastening method	
• 35 mm top hat DIN rail mounting • wall mounting • S7-1500 rail mounting	Yes Yes No
product functions / management, configuration, engineering	
product function	
• multiport mirroring • CoS	No Yes
PROFINET conformity class	A
product function / switch-managed	No
product functions / redundancy	
product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	Yes No
standards, specifications, approvals	
standard	
• for FM • for safety / from CSA and UL • for emitted interference • for interference immunity	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4 (Class A) EN 61000-6-2
MTBF	124 y
reference code	
• acc. to IEC 81346-2 • according to IEC 81346-2:2019	KF KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
certificate of suitability	
• CCC / for hazardous zone according to GB standard	Yes
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick • KC approval	Yes Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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