



SCALANCE XB005 unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V AC/DC power supply, with 5x 10/100 Mbit/s twisted pair ports with RJ45 sockets; Manual available as a download .

product type designation	SCALANCE XB005
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections for network components or terminal equipment	5; RJ45
number of 100 Mbit/s SC ports for multimode	0
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 - supply voltage / 1 / rated value - power loss [W] / 1 / rated value - supply voltage / 1 / rated value - consumed current / 1 / maximum - type of electrical connection / 1 / for power supply - product component / 1 / fusing at power supply input - fuse protection type / 1 / at input for supply voltage	DC 24 V 1.68 W 19.2 ... 28.8 V 0.07 A 3-pole terminal block Yes 0.6 A / 60 V
type of voltage / 2 / of the supply voltage supply voltage / 2 / rated value	19.2 ... 28.8 V
ambient conditions	
ambient temperature - during operation - during storage - during transport	-10 ... +60 °C -40 ... +80 °C -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	0.165 kg
fastening method 35 mm top hat DIN rail mounting	Yes

• wall mounting • S7-1500 rail mounting	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, Divison 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	241 a
reference code	
• according 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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