SIEMENS

Data sheet

6GK5005-0BA00-1AB2



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					
product brand name	SCALANCE				
product type designation	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	DC				
 supply voltage / 1 / rated value 	24 V				
 power loss [W] / 1 / rated value 	1.68 W				
 supply voltage / 1 / rated value 	19.2 28.8 V				
 consumed current / 1 / maximum 	0.07 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				
type of voltage / 2 / of the supply voltage	AC				
 supply voltage / 2 / rated value 	19.2 28.8 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	Вох				
width	45 mm				
height	100 mm				
depth	87 mm				

Fastering method Yes • wall mounting Yes • vall mounting Yes • S7-1500 rail mounting No product functions multiport mirroring • multiport mirroring No • Switch-managed No PFORVET_Conformity class A Product function Yes • switch-managed No PFORVET_Conformity class A Product functions / redundancy Yes • Product functions Product functions • Parallel Redundancy Protocol (PRP)Redundant Network No • Standards, specifications, approvals Yes certificator of subbility Yes • CE marking Yes • Regulatory Compliance Mark (RCM) Yes standards, specifications, approvals EN 81000-64 (Class A) • for immuny to ENC EN 81000-64 (Class A) • for adety / form CSA and UL UL 80950-1 (SA C322 No. 60950-1 • ATEX Yes • ULhaboc approval Yes • CCC / for hazarotos zone according to GB standard Yes • Every operation Yes • Every operation Yes • Intradicts, specifications, approvals / Environmental Produce Declaration Every operation Yes	nat waisht			
	net weight	0.165 kg		
• wall mounting Yes product functions Final mounting No product functions Final mounting No • multiport functions • multiport functions No • multiport functions No • Sinth-managed No • PROFINET conformity class A Product functions / refuter functions <td>-</td> <td>Mar.</td>	-	Mar.		
No product functions / management, configuration, engineering product functions / management, configuration, engineering No CCS CCS Product functions / redundancy Octifications, approvals Conflications, approvals Octifications, approvals Octifications / specifications, approvals Octifications / function Yes - For aller / form CSA and UL UL Outfacts of suitability - ATEX Yes - Unable captifications, approvals / fazardous environments Certificate of suitability - ATEX Yes - UL UL (bosto - 1, CSA C2: 2 No. 60050 - 1 Standard, specifications, approvals / fazardous environments Certificate of suitability - - ATEX Yes - UL (bosto - 1, CSA C2				
product functions / management, configuration, ongineering product function - multiport immining No - CoS Yes - switch-managed No PROFINET functions / rodundancy Product function - product function Yes - PRF-INET functions / rodundancy Yes - Product function Yes - PR-Intel Redundancy Protocol (PRP)Redundant Network No - Cos marking Yes - CR marking Yes - Regulatory Compliance Mark (RCM) Yes - Regulatory Compliance Mark (RCM) Yes - For EMC Interference emission EN 61000-6-2 - for immunity to EMC EN 61000-6-2 - for safety / from CSA and UL UL 60950-1, CSA C22.2 No. 50950-1 Standards, specifications, approvals / hazardous onvironments Certificate of subbility - ATEX Yes - UKEX Yes - Gor for hazardous zone according to GB standard	-			
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• multiport mirroring No • CoS Yes • switch-managed No PROFINET conformity class A product functions • parallel Redundancy • Parallel Redundancy Protocol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) No • Standards, spotfications, approvals Image: CE marking • Cetting (RNA) Yes • Regulatory Compliance Mark (RCM) Yes • Regulatory Compliance Mark (RCM) Yes • for ElMC Interference emission EN 61000-64 (Class A) • for safely /from CSA and UL UL 60050-1, CSA C22, 2 No. 60050-1 • for safely /from CSA and UL UL 60050-1, CSA C22, 2 No. 60050-1 • fundards, specifications, approvals / hazardous environments • entificate of subability • • for safely /from CSA and UL UL 60050-1, CSA C22, 2 No. 60050-1 • standards, specifications, approvals / hazardous environments • entificate of subability • • for safely /from CSA and UL UL 60050-1, CSA C22, 2 No. 60050-1 • standards, specifications, approvals / taxardous environments • entificate of subability • • CCC / for hazardous zone according to CB standard Yes • Standards, specifications, approvals / Environmental Pro				
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further information / internet links				
		Yes; according to IEC 61406-1:2022		
internet link				
• to website: Selection guide for cables and connectors <u>https://support.industry.siemens.com/cs/ww/en/view/109766358</u>	-			
to web page: selection aid TIA Selection Tool <u>https://www.siemens.com/tstcloud</u>				
to website: Industrial communication <u>https://www.siemens.com/simatic-net</u>				
to web page: SiePortal <u>https://sieportal.siemens.com/</u>	 to web page: SiePortal 			
to website: Image database <u>https://www.automation.siemens.com/bilddb</u>	 to website: Image database 			
• to website: CAx-Download-Manager <u>https://www.siemens.com/cax</u>	 to website: CAx-Download-Manager 	https://www.siemens.com/cax		
• to website: Industry Online Support <u>https://support.industry.siemens.com</u>	to website: Industry Online Support	https://support.industry.siemens.com		
security information	security information			

security information	s	thai In c three stat solu for net to a nec c net cyb ww unc rec anc c sub	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)			
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