SIEMENS

Data sheet

6GK5005-0BA00-1AB2

Product type designation



SCALANCE XB005

SCALANCE XB005 UNMANAGED INDUSTRIAL ETHERNET SWITCH FOR 10/100MBIT/S; WITH 5 X 10/100MBIT/S TWISTED PAIR- PORTS WITH RJ45-SOCKETS; 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
Interference / for communication / integrated	
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
Number of 1000 Mbit/s LC ports	
• for multimode	0
• for single mode (LD)	0
Interfaces / others	
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 / of the supply voltage	AC/DC

external ex	Supply voltage		
• external • at AC • at AC • at AC Product component / fusing at power supply input Fuse protection type / at input for supply voltage 0.6 A / 60 V Consumed current / maximum 0.07 A Power loss [W] • at DC / at 24 V 1.68 W Permitted ambient conditions Ambient temperature • during operation • during storage • during transport • during fransport • at 25 °C / without condensation / during operation / maximum Protection class IP Design, dimensions and weight Design Width 45 mm Height 100 mm Depth 87 mm Net weight Mounting type • 35 mm DIN rail mounting • xes • wall mounting • roduct functions / management, configuration Product functions / managed • No Product functions / Redundancy		24 V	
• at AC Product component / fusing at power supply input Fuse protection type / at input for supply voltage Consumed current / maximum 0.07 A Power loss [W] • at DC / at 24 V 1.68 W Permitted ambient conditions Ambient temperature • during operation • during storage • during storage • during transport • at 25 °C / without condensation / during operation / maximum Protection class IP Pesign, dimensions and weight Design Width 45 mm Height Depth Box Width 45 mm Net weight Mounting type • 35 mm DIN rail mounting • x8 mm Net weight Mounting type • 35 mm DIN rail mounting • x8 mm Not unclimated in the management, configuration Product functions / management, configuration Product functions / management, configuration Product functions / management • cos • switch-managed No Product functions / Redundancy			
Product component / fusing at power supply input Fuse protection type / at input for supply voltage Consumed current / maximum Power loss [W] • at DC / at 24 V 1.68 W Permitted ambient conditions Ambient temperature • during operation • during storage • during transport Potection class IP Poseign, dimensions and weight Design Width Height 100 mm Depth Not weight Mounting type • 35 mm DIN rail mounting • wall mounting • s7-1500 rail mounting Product functions / Redundancy Product functions / Redundancy Product functions / Redundancy Product functions / Redundancy			
Fuse protection type / at input for supply voltage			
Consumed current / maximum Construction			
Power loss [W] • at DC / at 24 V 1.68 W Permitted ambient conditions Ambient temperature • during operation • during storage • during transport • at 25 °C / without condensation / during operation / maximum Protection class IP Design Box Width 45 mm Height 100 mm Depth 87 mm Net weight 0.165 kg Mounting type • 35 m DIN rail mounting • wall mounting • wall mounting • S7-1500 rail mounting Product functions / management, configuration Product functions / managed No Product functions / Redundancy			
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during storage during transport ps during transport ps during transport public during transport d	Ambient temperature		
during transport Relative humidity • at 25 °C / without condensation / during operation / maximum Protection class IP IP20	during operation	-10 +60 °C	
Relative humidity • at 25 °C / without condensation / during operation / maximum Protection class IP IP20 Design, dimensions and weight Design Box Width 45 mm Height 100 mm Depth 87 mm Net weight Mounting type • 35 mm DIN rail mounting • wall mounting • S7-1500 rail mounting Product functions / management, configuration Product functions / managed • switch-managed Product functions / Redundancy	 during storage 	-40 +80 °C	
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Design, dimensions and weight Design Box Width 45 mm Height 100 mm Depth 87 mm Net weight 0.165 kg Mounting type • 35 mm DIN rail mounting • wall mounting • S7-1500 rail mounting Product functions / management, configuration Product function • multiport mirroring • cos • switch-managed Product functions / Redundancy	operation / maximum		
Design Box Width 45 mm Height 100 mm Depth 87 mm Net weight 0.165 kg Mounting type • 35 mm DIN rail mounting Yes • wall mounting Yes • s7-1500 rail mounting No Product functions / management, configuration Product function • multiport mirroring • CoS • switch-managed Product functions / Redundancy	Protection class IP	IP20	
Width 45 mm Height 100 mm Depth 87 mm Net weight 0.165 kg Mounting type • 35 mm DIN rail mounting Yes • wall mounting Yes • S7-1500 rail mounting No Product functions / management, configuration Product function • multiport mirroring No • CoS • switch-managed No	Design, dimensions and weight		
Height 100 mm Depth 87 mm Net weight 0.165 kg Mounting type • 35 mm DIN rail mounting Yes • wall mounting Yes • S7-1500 rail mounting No Product functions / management, configuration Product function • multiport mirroring No • CoS • switch-managed No	Design	Box	
Depth 87 mm Net weight 0.165 kg Mounting type • 35 mm DIN rail mounting Yes • wall mounting Yes • S7-1500 rail mounting No Product functions / management, configuration Product function • multiport mirroring No • CoS • switch-managed No	Width		
Net weight Mounting type • 35 mm DIN rail mounting • wall mounting • S7-1500 rail mounting Product functions / management, configuration Product function • multiport mirroring • CoS • switch-managed O.165 kg Yes No	Height	100 mm	
Mounting type • 35 mm DIN rail mounting • wall mounting • S7-1500 rail mounting Product functions / management, configuration Product function • multiport mirroring • CoS • switch-managed Product functions / Redundancy			
 35 mm DIN rail mounting wall mounting S7-1500 rail mounting No Product functions / management, configuration Product function multiport mirroring CoS switch-managed No Product functions / Redundancy Product functions / Redundancy		0.165 kg	
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S7-1500 rail mounting Product functions / management, configuration Product function multiport mirroring CoS switch-managed Product functions / Redundancy No Product functions / Redundancy	• 35 mm DIN rail mounting		
Product functions / management, configuration Product function • multiport mirroring • CoS • switch-managed Product functions / Redundancy	wall mounting	Yes	
Product function • multiport mirroring • CoS • switch-managed Product functions / Redundancy	● S7-1500 rail mounting	No	
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 CoS Switch-managed Yes No Product functions / Redundancy		NI ₂	
• switch-managed No Product functions / Redundancy			
Product functions / Redundancy			
	switch-managed	No	
Product function			
D		Van	
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 		res	
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 		No	
Standards, specifications, approvals			
Standard	Standard		

• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
• for hazardous zone	EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
Certificate of suitability / CE marking	Yes
Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
KC approval	Yes
MTBF / at 40 °C	241 y

Further Information / Internet Links

Internet-Link

• to website: Selector SIMATIC NET 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/snst

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. Thirdparty 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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