SIEMENS

Data sheet 6GK5004-0BA00-1AB2



SCALANCE XCB004 SMART unmanaged Industrial Ethernet switch for 10/100 Mbps; for setting up small star and linear topologies; LED diagnostics, IP20, 24 V DC power supply, with 4x 10/100 Mbps twisted pair ports with RJ45 sockets; manual available as a download TIA/PN/TST support limited

product type designation	
product brand name	SCALANCE
product type designation	XCB004 SMART
Technical Product Detail Page	https://i.siemens.com/1P6GK5004-0BA00-1AB2
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	4; RJ45
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	0.8 W
● supply voltage / 1 / voltage range	19.2 ... 28.8
● consumed current / 1 / maximum	0.04 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	0,5 A / 60 V
ambient conditions	
ambient temperature	
● during operation	0 ... 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	0.145 kg
fastening method	

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● 35 mm DIN-rail mounting	Yes
● wall mounting	Yes
● S7-1500 rail mounting	No
product features, product functions, product components / general	
number of automatically learnable MAC addresses	1024
product functions / management, configuration, engineering	
product function	
● multiport mirroring	No
● CoS	Yes
● switch-managed	No
PROFINET conformity class	A
product functions / redundancy	
product function	
● Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UKCA marking	Yes
● cULus approval	Yes
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
standard	
● for EMC interference emission	EN 61000-6-4 (Class B)
● for immunity to EMC	EN 61000-6-2
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
● CCC / for hazardous zone according to GB standard	Yes
standards, specifications, approvals / other	
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
product functions / general	
MTBF	276 a
warranty period	5 a
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://new.siemens.com/cn/zh/products/automation/topic-areas/tia/tia-selection-tool.html
● to website: Industrial communication	https://new.siemens.com/cn/zh/products/automation/industrial-communication.html
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com/cs/start?lc=zh-CN
security information	
security information	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

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Approvals / Certificates

Environment	General Product Approval				
			Declaration of Conformity	China RoHS	

General Product Approval			For use in hazardous locations	Radio Equipment Type Approval Certificate	Industrial Communication
		China RoHS	CCC-Ex		PROFINET

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