MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6GK5005-0BA00-1AA3

SCALANCE X005 ETHERNET SWITCH

Used with the applicable Siemens Simatic Net configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens manufacturer data for 6GK5005-0BA00-1AA3

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Data sheet 6GK5005-0BA00-1AA3



SCALANCE X005, IE Entry Level Switch unmanaged 5x 10/100 Mbit/s RJ45 ports, LED diagnostics, IP30, 24 V DC power supply, PROFINET-compliant securing collars, Manual available as a download

Product type designation	**SCALANCE X005**
Transmission 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 with securing collar
Number of 100 Mbit/s SC ports	
• for multimode	0
Interfaces / others	
Number of electrical connections	
• for power supply	1
Type of electrical connection	
• for power supply	2-pole terminal block
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V

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• external / minimum	18 V
• external / maximum	32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.5 A / 60 V
Consumed current / maximum	0.08 A
Power loss [W]	
• at DC / at 24 V	2 W

Permitted ambient conditions

Ambient temperature	
• during operation	0 ... 65 °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	IP30

Design, dimensions and weight

Design	compact
Width	40 mm
Height	125 mm
Depth	124 mm
Net weight	0.55 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No

Product functions / management, configuration

Product function	
• multiport mirroring	No
• CoS	Yes
Product function / switch-managed	No

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

Standard	
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1

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• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2

Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes

Standards, specifications, approvals / miscellaneous

Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
• E1 approval	No
• E1 approval	No
• Railway application in accordance with EN 50155	No
• KC approval	Yes

Standards, specifications, approvals / ship classification

Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (BV)	Yes
• DNV GL	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes

Standards, specifications, approvals / product conformity

MTBF	167.1 y

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

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