SIEMENS

Data sheet   6GK5005-0BA10-1AA3

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, Extended temperature range -40 °C...+75 °C, Manual available as a download

Product type designation	SCALANCE X005

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 with securing collar
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	2-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	2 W

• Supply voltage / 1 / rated value	18 ... 32 V

Ambient conditions

Ambient temperature	
• during operation	-40 ... +75 °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 weights

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, engineering

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
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
MTBF	167.1 y

Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes

Standards, specifications, approvals / other

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 / marine classification

Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes
● Bureau Veritas (BV)	Yes
● DNV GL	Yes
● Korean Register of Shipping (KRS)	Yes
● Lloyds Register of Shipping (LRS)	Yes
● Polski Rejestr Statkow (PRS)	Yes
● Royal Institution of Naval Architects (RINA)	Yes

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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