



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		0	
number of electrical connections	• for multimode	0	
interfaces / other			
number of electrical connections	• for power supply	1	
type of electrical connection		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	
• consumed current / 1 / maximum		0.08 A	
• type of electrical connection / 1 / for power supply		2-pole terminal block	
• product component / 1 / fusing at power supply input		Yes	
ambient conditions			
ambient temperature	• during operation • during storage • during transport	-40 ... +75 °C	
		-40 ... +80 °C	
		-40 ... +80 °C	
relative humidity	• at 25 °C / without condensation / during operation / maximum	95 %	
protection class IP		IP30	
design, dimensions and weights			
design	compact	compact	
width		40 mm	
height		125 mm	
depth		124 mm	
net weight		0.55 kg	
fastening method			

• 35 mm top hat 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	
• 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
• French marine classification society (BV)	Yes
• DNV GL	Yes
• Korean Register of Shipping (KRS)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Polski Rejestr Statków (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA 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	
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. Third-party products that may be in use should also be considered. For more information about industrial security, visit

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