



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 / maximum configuration for modular devices	
number of electrical ports / maximum	5
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
• 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
• fuse protection type / 1 / at input for supply voltage	0.5 A / 60 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
fastening method	

• 35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No
<b>product functions / management, configuration, engineering</b>	
product function	
• multiport mirroring	No
• CoS	Yes
PROFINET conformity class	A
product function / switch-managed	No
<b>product functions / redundancy</b>	
product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
<b>standards, specifications, approvals</b>	
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 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
<b>standards, specifications, approvals / CE</b>	
certificate of suitability / CE marking	Yes
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability	
• CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
<b>standards, specifications, approvals / other</b>	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
• KC approval	Yes
• E1 approval	No
• E1 approval	No
• railway application in accordance with EN 50155	No
<b>standards, specifications, approvals / marine classification</b>	
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
<b>product functions / general</b>	
Warranty period	5 a
<b>further information / internet links</b>	
internet link	
• to website: Image database	<a href="https://www.automation.siemens.com/biddb">https://www.automation.siemens.com/biddb</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	Siemens provides products and solutions with industrial security 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 security 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 security measures that may be implemented, please visit <https://www.siemens.com/industrialsecurity>. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under <https://www.siemens.com/cert>. (V4.6)

#### Approvals / Certificates

##### General Product Approval

EMV

[Manufacturer Declaration](#)



[KC](#)

##### For use in hazardous locations

##### Marine / Shipping



IECEx



ATEX

FM

[CCC-Ex](#)



ABS



BUREAU  
VERITAS

##### Marine / Shipping



DNV



LRS

[NK / Nippon Kaiji Kyokai](#)



PRIS



RINA



KR  
KOREAN REGISTER

##### other

##### Railway

##### Environment

[Manufacturer Declaration](#)

[Confirmation](#)

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