



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	
product brand name	SCALANCE
product type designation	X005
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections <ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>	5; RJ45 with securing collar
number of 100 Mbit/s SC ports <ul style="list-style-type: none"> <li>for multimode</li> </ul>	0
interfaces / other	
number of electrical connections <ul style="list-style-type: none"> <li>for power supply</li> </ul>	1
type of electrical connection <ul style="list-style-type: none"> <li>for power supply</li> </ul>	2-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage <ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> <li>power loss [W] / 1 / rated value</li> <li>supply voltage / 1 / rated value</li> <li>consumed current / 1 / maximum</li> <li>type of electrical connection / 1 / for power supply</li> <li>product component / 1 / fusing at power supply input</li> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	DC 24 V 2 W 18 ... 32 V 0.08 A 2-pole terminal block Yes 0, A / 60 V
ambient conditions	
ambient temperature <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +75 °C -40 ... +80 °C -40 ... +80 °C
relative humidity <ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	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	

<ul style="list-style-type: none"> <li>• 35 mm DIN-rail mounting</li> <li>• wall mounting</li> <li>• S7-300 rail mounting</li> <li>• S7-1500 rail mounting</li> </ul>	Yes Yes Yes No
<b>product functions / management, configuration, engineering</b>	
product function	
<ul style="list-style-type: none"> <li>• multiport mirroring</li> <li>• CoS</li> <li>• switch-managed</li> </ul>	No Yes No
PROFINET conformity class	A
<b>product functions / redundancy</b>	
product function	
<ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> <li>• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	Yes No
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• CE marking</li> <li>• KC approval</li> <li>• Regulatory Compliance Mark (RCM)</li> </ul>	Yes Yes Yes
standard	
<ul style="list-style-type: none"> <li>• for EMC interference emission</li> <li>• for immunity to EMC</li> <li>• for safety / from CSA and UL</li> </ul>	EN 61000-6-4 (Class A) EN 61000-6-2 UL 60950-1, CSA C22.2 No. 60950-1
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• ATEX</li> <li>• UKEX</li> <li>• IECEx</li> <li>• ULhazloc approval</li> <li>• CCC / for hazardous zone according to GB standard</li> <li>• FM registration</li> </ul>	Yes Yes Yes Yes Yes Yes
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• E1 approval</li> <li>• railway application in accordance with EN 50155</li> <li>• RoHS conformity</li> </ul>	Yes No Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
<b>standards, specifications, approvals / marine classification</b>	
Marine classification association	
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• French marine classification society (BV)</li> <li>• DNV GL</li> <li>• Korean Register of Shipping (KRS)</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (NK)</li> <li>• Polski Rejestr Statkow (PRS)</li> <li>• Royal Institution of Naval Architects (RINA)</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes
<b>product functions / general</b>	
MTBF	167.1 a
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	KF KFE
Warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>

- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://www.siemens.com/simatic-net>  
<https://sieportal.siemens.com/>  
<https://www.automation.siemens.com/bilddb>  
<https://www.siemens.com/cax>  
<https://support.industry.siemens.com>

## security information

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## Approvals / Certificates

### General Product Approval



[Declaration of Conformity](#)



General Product Approval

EMV

For use in hazardous locations



[KC](#)



[FM](#)

[CCC-Ex](#)

### Marine / Shipping



[NK / Nippon Kaiji Kyokai](#)



Marine / Shipping

Railway

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last modified:

4/2/2025