

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
Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections <ul style="list-style-type: none">• for network components or terminal equipment	5; RJ45 with securing collar
Number of 100 Mbit/s SC ports <ul style="list-style-type: none">• for multimode	
Interfaces / others	
Number of electrical connections <ul style="list-style-type: none">• for power supply	1
Type of electrical connection <ul style="list-style-type: none">• for power supply	2-pole terminal block
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage <ul style="list-style-type: none">• external	24 V

• 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	-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 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

- for emitted interference
- for interference immunity

EN 61000-6-4 (Class A)

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
- E1 approval
- E1 approval
- Railway application in accordance with EN 50155
- KC approval

Yes

No

No

No

Yes

Standards, specifications, approvals / ship classification

Marine classification association

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

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Standards, specifications, approvals / product conformity

MTBF

167.1 y

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

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