



SCALANCE X005EEC, 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, E1 approval Manual available as a download .

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|---|------------------------------|
| product type designation | SCALANCE X005EEC |
| 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 |
| product feature / conformal coating | No |

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| fastening method | |
| <ul style="list-style-type: none"> • 35 mm top hat DIN rail mounting | Yes |
| <ul style="list-style-type: none"> • wall mounting | Yes |
| <ul style="list-style-type: none"> • S7-300 rail mounting | Yes |
| <ul style="list-style-type: none"> • S7-1500 rail mounting | No |
| product functions / management, configuration, engineering | |
| product function | |
| <ul style="list-style-type: none"> • multiport mirroring | No |
| <ul style="list-style-type: none"> • CoS | Yes |
| product function / switch-managed | No |
| product functions / redundancy | |
| product function | |
| <ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| <ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| standards, specifications, approvals | |
| standard | |
| <ul style="list-style-type: none"> • for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 |
| <ul style="list-style-type: none"> • for emitted interference | EN 61000-6-4 (Class A) |
| <ul style="list-style-type: none"> • for interference immunity | EN 61000-6-2 |
| MTBF | 165 a |
| reference code | |
| <ul style="list-style-type: none"> • according to IEC 81346-2 | KF |
| <ul style="list-style-type: none"> • according to IEC 81346-2:2019 | KFE |
| standards, specifications, approvals / CE | |
| certificate of suitability / CE marking | Yes |
| standards, specifications, approvals / hazardous environments | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard | Yes; GB3836.1, GB3836.8 |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| standards, specifications, approvals / other | |
| certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| <ul style="list-style-type: none"> • C-Tick | Yes |
| <ul style="list-style-type: none"> • KC approval | Yes |
| <ul style="list-style-type: none"> • E1 approval | Yes |
| <ul style="list-style-type: none"> • E1 approval | No |
| <ul style="list-style-type: none"> • railway application in accordance with EN 50155 | Yes |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| <ul style="list-style-type: none"> • DNV GL | Yes |
| <ul style="list-style-type: none"> • Korean Register of Shipping (KRS) | Yes |
| <ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) | Yes |
| <ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) | Yes |
| <ul style="list-style-type: none"> • Royal Institution of Naval Architects (RINA) | Yes |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| <ul style="list-style-type: none"> • to website: Industrial communication | http://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> • to website: Industry Mall | https://mall.industry.siemens.com |
| <ul style="list-style-type: none"> • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| <ul style="list-style-type: none"> • to website: Selection guide for cables and connectors | https://sie.ag/2QdlxcP |
| <ul style="list-style-type: none"> • to website: Image database | http://automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> • to website: CAx-Download-Manager | http://www.siemens.com/cax |
| <ul style="list-style-type: none"> • 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, 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 **EMC**



[Manufacturer Declaration](#)



For use in hazardous locations **Marine / Shipping**



[FM](#)

[CCC-Ex](#)



Marine / Shipping **other**



[NK / Nippon Kaiji Kyokai](#)



[Manufacturer Declaration](#)

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