



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

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| 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 • 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 |
| 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 |
| width | 40 mm |
| height | 125 mm |
| depth | 124 mm |
| net weight | 0.55 kg |
| fastening method • 35 mm top hat DIN rail mounting • wall mounting | Yes Yes |

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| <ul style="list-style-type: none"> • S7-300 rail mounting • S7-1500 rail mounting | <p>Yes</p> <p>No</p> |
| product functions / management, configuration, engineering | |
| product function | |
| <ul style="list-style-type: none"> • multiport mirroring • CoS | <p>No</p> <p>Yes</p> |
| 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 • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | <p>Yes</p> <p>No</p> |
| standards, specifications, approvals | |
| standard | |
| <ul style="list-style-type: none"> • for safety / from CSA and UL • for emitted interference • for interference immunity | <p>UL 60950-1, CSA C22.2 No. 60950-1</p> <p>EN 61000-6-4 (Class A)</p> <p>EN 61000-6-2</p> |
| MTBF | 167.1 y |
| reference code | |
| <ul style="list-style-type: none"> • acc. to IEC 81346-2 • according to IEC 81346-2:2019 | <p>KF</p> <p>KFE</p> |
| 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 |
| standards, specifications, approvals / other | |
| certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| <ul style="list-style-type: none"> • C-Tick • KC approval • E1 approval • E1 approval • railway application in accordance with EN 50155 | <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) | <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> |
| further information / internet-Links | |
| Internet-Link | |
| <ul style="list-style-type: none"> • to web page: selection aid TIA 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 | <p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p> |
| 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 <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

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