SIEMENS

## Data sheet 6GK5005-0BA00-1AB2



SCALANCE XB005 unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V AC/DC power supply, with 5x 10/100 Mbit/s twisted pair ports with RJ45 sockets; Manual available as a download .

| | |
|---|---|
| **product type designation** | |
| product brand name | SCALANCE |
| product type designation | XB005 |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5005-0BA00-1AB2 |
| **transfer rate** | |
| transfer rate | 10, 100 Mbit/s |
| **interfaces / for communication / integrated** | |
| number of electrical connections | |
| ● for network components or terminal equipment | 5; RJ45 |
| number of 100 Mbit/s SC ports | |
| ● for multimode | 0 |
| **interfaces / other** | |
| number of electrical connections | |
| ● for power supply | 1 |
| **supply voltage, current consumption, power loss** | |
| **type of voltage / 1 / of the supply voltage** | |
| ● supply voltage / 1 / rated value | 24 V |
| ● power loss [W] / 1 / rated value | 1.68 W |
| ● supply voltage / 1 / voltage range | 19.2 ... 28.8 |
| ● consumed current / 1 / maximum | 0.07 A |
| ● product component / 1 / fusing at power supply input | Yes |
| **type of voltage / 2 / of the supply voltage** | |
| ● supply voltage / 2 / voltage range | 19.2 ... 28.8 |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -10 ... +60 °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 | IP20 |
| **design, dimensions and weights** | |
| design | Box |
| width | 45 mm |
| height | 100 mm |
| depth | 87 mm |
| net weight | 0.165 kg |
| fastening method | |


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| | |
|---|---|
| ● 35 mm DIN-rail mounting | Yes |
| ● wall mounting | Yes |
| ● S7-1500 rail mounting | No |
| **product functions / management, configuration, engineering** | |
| product function | |
| ● multiport mirroring | No |
| ● CoS | Yes |
| ● switch-managed | No |
| PROFINET conformity class | A |
| **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** | |
| certificate of suitability | |
| ● CE marking | Yes |
| ● cULus approval | Yes |
| ● KC approval | Yes |
| ● Regulatory Compliance Mark (RCM) | Yes |
| standard | |
| ● for EMC interference emission | EN 61000-6-4 (Class A) |
| ● for immunity to EMC | EN 61000-6-2 |
| ● for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 |
| **standards, specifications, approvals / hazardous environments** | |
| certificate of suitability | |
| ● ATEX | Yes |
| ● UKEX | Yes |
| ● IECEx | Yes |
| ● ULhazloc approval | Yes |
| ● CCC / for hazardous zone according to GB standard | Yes |
| ● FM registration | Yes |
| **standards, specifications, approvals / other** | |
| certificate of suitability | |
| ● RoHS conformity | Yes |
| resistance to air pollution / conformity according to ANSI/ISA-71.04 | Yes; G3 |
| **standards, specifications, approvals / Environmental Product Declaration** | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| ● total | 57.94 kg |
| ● during manufacturing | 7.42 kg |
| ● during operation | 50.38 kg |
| ● after end of life | 0.14 kg |
| **product functions / general** | |
| MTBF | 241 a |
| warranty period | 5 a |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to website: Industrial communication | https://www.siemens.com/simatic-net |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |
| **security information** | |


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| security information | Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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 Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

## Approvals / Certificates

### General Product Approval

| | | | | | |
|---|---|---|---|---|---|
| CE EG-Konf. | Declaration of Conformity | CCC | EAC | China RoHS | UL |

| General Product Approval | EMV | For use in hazardous locations | | | |
|---|---|---|---|---|---|
| RCM | KC | IECEx | ATEX | FM | KEMA |

| For use in hazardous locations | Test Certificates | | Environment | Industrial Communication |
|---|---|---|---|---|
| CCC-Ex | Special Test Certificate | Type Test Certificates/Test Report | EPD | PROFINET |

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