



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 |
| 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 |
| 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 | 3-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 | 1.68 W |
| • supply voltage / 1 / rated value | 19.2 ... 28.8 V |
| • consumed current / 1 / maximum | 0.07 A |
| • type of electrical connection / 1 / for power supply | 3-pole terminal block |
| • product component / 1 / fusing at power supply input | Yes |
| • fuse protection type / 1 / at input for supply voltage | 0.6 A / 60 V |
| type of voltage / 2 / of the supply voltage | AC |
| • supply voltage / 2 / rated value | 19.2 ... 28.8 V |
| 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 | |
| • 35 mm top hat 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 |
| • KC approval | Yes |
| • Regulatory Compliance Mark (RCM) | Yes |
| standard | |
| • 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 |
| standards, specifications, approvals / Environmental Product Declaration | |
| Environmental Product Declaration | Yes |
| Global Warming Potential [CO2 eq] | |
| • total | 151.5 kg |
| • during manufacturing | 7.42 kg |
| • during operation | 143.95 kg |
| • after end of life | 0.14 kg |
| product functions / general | |
| MTBF | 241 a |
| reference code | |
| • according to IEC 81346-2 | KF |
| • according to IEC 81346-2:2019 | KFE |
| Warranty period | 5 a |
| further information / internet links | |
| internet link | |
| • to website: Image database | https://www.automation.siemens.com/bilddb |
| • to website: Industry Online Support | https://support.industry.siemens.com |
| security information | |
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Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



EG-Konf.

[Declaration of Conformity](#)



KEMA



UL



RCM

EMV

For use in hazardous locations

Test Certificates

[KC](#)



IECEX



ATEX

[EM](#)

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