



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 .

|   |                       |
|---|-----------------------|
| <b>product type designation</b>   | <b>SCALANCE XB005</b> |
| <b>transfer rate</b>  |                       |
| transfer rate   | 10 Mbit/s, 100 Mbit/s |
| <b>interfaces / for communication / maximum configuration for modular devices</b> |                       |
| number of electrical ports / maximum  | 5                     |
| <b>interfaces / for communication / integrated</b>                                |                       |
| number of electrical connections  |                       |
| • for network components or terminal equipment                                    | 5; RJ45               |
| number of 100 Mbit/s SC ports   |                       |
| • for multimode   | 0                     |
| <b>interfaces / other</b>   |                       |
| number of electrical connections  |                       |
| • for power supply  | 1                     |
| type of electrical connection   |                       |
| • for power supply  | 3-pole terminal block |
| <b>supply voltage, current consumption, power loss</b>                            |                       |
| <b>type of voltage / 1 / of the supply voltage</b>                                | 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          |
| <b>type of voltage / 2 / of the supply voltage</b>                                | AC                    |
| • supply voltage / 2 / rated value  | 19.2 ... 28.8 V       |
| <b>ambient conditions</b>   |                       |
| 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                  |
| <b>design, dimensions and weights</b>   |                       |
| design  | Box                   |
| width   | 45 mm                 |
| height  | 100 mm                |
| depth   | 87 mm                 |

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|---|--|
| net weight  | 0.165 kg   |
| fastening method  |  |
| • 35 mm top hat DIN rail mounting   | Yes  |
| • wall mounting   | Yes  |
| • S7-1500 rail mounting   | No   |
| <b>product functions / management, configuration, engineering</b>               |  |
| product function  |  |
| • multiport mirroring   | No   |
| • CoS   | Yes  |
| PROFINET conformity class   | A  |
| product function / switch-managed   | No   |
| <b>product functions / redundancy</b>   |  |
| product function  |  |
| • Parallel Redundancy Protocol (PRP)/operation in the PRP-network               | Yes  |
| • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)             | No   |
| <b>standards, specifications, approvals</b>                                     |  |
| standard  |  |
| • for FM  | FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4  |
| • for safety / from CSA and UL  | UL 60950-1, CSA C22.2 No. 60950-1  |
| • for emitted interference  | EN 61000-6-4 (Class A)   |
| • for interference immunity   | EN 61000-6-2   |
| MTBF  | 241 a  |
| reference code  |  |
| • according to IEC 81346-2  | KF   |
| • according to IEC 81346-2:2019   | KFE  |
| <b>standards, specifications, approvals / CE</b>                                |  |
| certificate of suitability / CE marking   | Yes  |
| <b>standards, specifications, approvals / hazardous environments</b>            |  |
| standard / for hazardous zone   |  |
| •   | EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X  |
| certificate of suitability  |  |
| • CCC / for hazardous zone according to GB standard                             | Yes; GB3836.1, GB3836.8  |
| • CCC / for hazardous zone according to GB standard / as marking                | Ex nA IIC T4 Gc  |
| <b>standards, specifications, approvals / other</b>                             |  |
| certificate of suitability  | EN 61000-6-2, EN 61000-6-4   |
| • C-Tick  | Yes  |
| • KC approval   | Yes  |
| <b>standards, specifications, approvals / Environmental Product Declaration</b> |  |
| 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  |
| <b>product functions / general</b>  |  |
| Warranty period   | 5 a  |
| <b>further information / internet links</b>                                     |  |
| internet link   |  |
| • to website: Image database  | <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>  |
| • to website: Industry Online Support   | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>  |
| <b>security information</b>   |  |
| 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 |

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Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)

  
EG-Konf.



  
KEMA

  
UL

  
RCM

| EMV                | For use in hazardous locations   | Test Certificates   |
|--------------------|--|---|
| <a href="#">KC</a> | <br>IECEX | <br>ATEX |
|                    |  | <a href="#">FM</a>  |
|                    |  | <a href="#">CCC-Ex</a>  |
|                    |  | <a href="#">Special Test Certificate</a>  |

| other                                    | Environment  |
|--|--|
| <a href="#">Manufacturer Declaration</a> | <a href="#">Confirmation</a>   |
|  |  |

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