



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 / 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                   |
| <b>type of voltage / 2 / of the supply voltage</b>             |                       |
| • 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                 |

|   |   |
|---|---|
| net weight  | 0.165 kg  |
| fastening method  |   |
| <ul style="list-style-type: none"> <li>• 35 mm top hat DIN rail mounting</li> </ul>                                   | Yes   |
| <ul style="list-style-type: none"> <li>• wall mounting</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>• S7-1500 rail mounting</li> </ul>   | No  |
| <b>product functions / management, configuration, engineering</b>   |   |
| product function  |   |
| <ul style="list-style-type: none"> <li>• multiport mirroring</li> </ul>   | No  |
| <ul style="list-style-type: none"> <li>• CoS</li> </ul>   | Yes   |
| PROFINET conformity class   | A   |
| product function / switch-managed   | No  |
| <b>product functions / redundancy</b>   |   |
| product function  |   |
| <ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul> | No  |
| <b>standards, specifications, approvals</b>   |   |
| standard  |   |
| <ul style="list-style-type: none"> <li>• for FM</li> </ul>  | FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP, IIC, T4   |
| <ul style="list-style-type: none"> <li>• for safety / from CSA and UL</li> </ul>                                      | UL 60950-1, CSA C22.2 No. 60950-1   |
| <ul style="list-style-type: none"> <li>• for emitted interference</li> </ul>  | EN 61000-6-4 (Class A)  |
| <ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>   | EN 61000-6-2  |
| MTBF  | 241 y   |
| <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  |   |
| <ul style="list-style-type: none"> <li>• CCC / for hazardous zone according to GB standard</li> </ul>                 | Yes   |
| <b>standards, specifications, approvals / other</b>   |   |
| certificate of suitability  | EN 61000-6-2, EN 61000-6-4  |
| <ul style="list-style-type: none"> <li>• C-Tick</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>• KC approval</li> </ul>   | Yes   |
| <b>further information / internet-Links</b>   |   |
| Internet-Link   |   |
| <ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>                              | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>   |
| <ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>   | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>   |
| <ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>                       | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>   |
| <ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>  | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>   |
| <ul style="list-style-type: none"> <li>• to website: CAX-Download-Manager</li> </ul>                                  | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>   |
| <ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>                               | <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, 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 <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a> . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a> . (V3.4) |

last modified:

2/10/2021 

