

Product type designation



SCALANCE XB005

SCALANCE XB005 UNMANAGED INDUSTRIAL ETHERNET SWITCH FOR 10/100MBIT/S; WITH 5 X 10/100MBIT/S TWISTED PAIR- PORTS WITH RJ45-SOCKETS; FOR CONFIGURING SMALL STAR- AND LINE TOPOGRAPHIES; LED-DIAGNOSIS, IP20, 24 V DC POWER SUPPLY, MANUAL AVAILABLE AS DOWNLOAD

Transmission rate

| | |
|---------------|-----------------------|
| Transfer rate | 10 Mbit/s, 100 Mbit/s |
|---------------|-----------------------|

Interfaces

| | |
|--|-----------|
| Number of electrical/optical connections | |
| <ul style="list-style-type: none"> for network components or terminal equipment / maximum | 5 |
| Number of electrical connections | |
| <ul style="list-style-type: none"> for network components or terminal equipment | 5 |
| Type of electrical connection | |
| <ul style="list-style-type: none"> for network components or terminal equipment | RJ45 port |

Interfaces / for communication / integrated

| | |
|---|--------|
| Number of 100 Mbit/s SC ports | |
| <ul style="list-style-type: none"> for multimode | 0 |
| Number of 1000 Mbit/s LC ports | |
| <ul style="list-style-type: none"> for multimode for single mode (LD) | 0 0 |

Interfaces / others

| | |
|--|-----------------------|
| Number of electrical connections | |
| <ul style="list-style-type: none"> for power supply | 1 |
| Type of electrical connection | |
| <ul style="list-style-type: none"> for power supply | 3-pole terminal block |

Supply voltage, current consumption, power loss

| | |
|---|----|
| Type of voltage / of the supply voltage | DC |
|---|----|

| | |
|--|-----------------|
| Supply voltage | |
| • external | 24 V |
| • external | 19.2 ... 28.8 V |
| Product component / fusing at power supply input | Yes |
| Fuse protection type / at input for supply voltage | 0.6 A / 60 V |
| Consumed current / maximum | 0.07 A |
| Active power loss | |
| • for DC / at 24 V | 1.68 W |

Permitted 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 weight

| | |
|---------------------------|----------|
| Design | Box |
| Width | 45 mm |
| Height | 100 mm |
| Depth | 87 mm |
| Net weight | 0.165 kg |
| Mounting type | |
| • 35 mm DIN rail mounting | Yes |
| • wall mounting | Yes |
| • S7-1500 rail mounting | No |

Product functions / management, configuration

| | |
|-----------------------|----|
| Product function | |
| • multiport mirroring | No |
| • switch-managed | No |

Standards, specifications, approvals

| | |
|--------------------------------|--|
| Standard | |
| • for FM | FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 |
| • for hazardous zone | EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X |
| • 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 |
| Certificate of suitability | EN 61000-6-2, EN 61000-6-4 |

| | |
|-------------------------------------|-------|
| • CE marking | Yes |
| • C-Tick | Yes |
| • KC approval | Yes |
| Marine classification association | |
| • Det Norske Veritas (DNV) | No |
| • Germanische Lloyd (GL) | No |
| • Lloyds Register of Shipping (LRS) | No |
| • Nippon Kaiji Kyokai (NK) | No |
| • Polski Rejestr Statkow (PRS) | No |
| MTBF / at 40 °C | 241 y |

Further Information / Internet Links

| | |
|---|---|
| Internet-Link | |
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/automation/net/catalog |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx Download Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

Security information

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|----------------------|---|
| Security information | <p>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)</p> |
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