

SCALANCE XB112 unmanaged IE switch, 12x 10/100 Mbit/s RJ45 ports, for setting up small star and line topologies; LED diagnostics, IP20, Redundant power supply, 24 V AC/DC Manual available as a download



| | |
|--|-----------------------|
| Product type designation | SCALANCE XB112 |
| Transmission rate | |
| Transfer rate | 10 Mbit/s, 100 Mbit/s |
| Interfaces / for communication / integrated | |
| Number of electrical connections | |
| <ul style="list-style-type: none"> for network components or terminal equipment | 12; RJ45 |
| Interfaces / others | |
| Number of electrical connections | |
| <ul style="list-style-type: none"> for power supply | 1 |
| <ul style="list-style-type: none"> for redundant voltage supply | 1 |
| Supply voltage, current consumption, power loss | |
| Type of voltage / of the supply voltage | AC/DC |
| Supply voltage | |
| <ul style="list-style-type: none"> external | 24 V |
| <ul style="list-style-type: none"> external / minimum | 19.2 V |
| <ul style="list-style-type: none"> external / maximum | 28.8 V |
| <ul style="list-style-type: none"> at AC | 24 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 | 0.2 A |
| Power loss [W] | |
| • at DC / at 24 V | 4.8 W |

Permitted ambient conditions

| | |
|--|----------------|
| Ambient temperature | |
| • during operation | 0 ... 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 | compact |
| Width | 80 mm |
| Height | 117 mm |
| Depth | 109 mm |
| Net weight | 0.345 kg |
| Mounting type | |
| • 35 mm DIN rail mounting | Yes |
| • wall mounting | No |
| • S7-300 rail mounting | No |
| • S7-1500 rail mounting | No |

Product functions / management, configuration

| | |
|-----------------------------------|-----|
| Product function | |
| • multiport mirroring | No |
| • CoS | Yes |
| PROFINET conformity class | A |
| Product function / switch-managed | No |

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

| | |
|----------|--|
| 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 B)

- for interference immunity

61000-6-2

Standards, specifications, approvals / CE

Certificate of suitability / CE marking

Yes

Standards, specifications, approvals / hazardous environments

Certificate of suitability

- IECEx

Yes; IEC 60079-0, IEC 60079-15, IECEx DEK 14.0025X, Ex nA
IIC T4 Gc

Standards, specifications, approvals / miscellaneous

Certificate of suitability

EN 61000-6-2, EN 61000-6-4

- Regulatory Compliance Mark (RCM)

Yes

- KC approval

Yes

Standards, specifications, approvals / product conformity

MTBF

83 y

Accessories

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

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