



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                                       |                                                                                                     |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| product brand name                                             | SCALANCE                                                                                            |
| product type designation                                       | XB112                                                                                               |
| Technical Product Detail Page                                  | <a href="https://i.siemens.com/1P6GK5112-0BA00-2AB2">https://i.siemens.com/1P6GK5112-0BA00-2AB2</a> |
| transfer rate                                                  |                                                                                                     |
| transfer rate                                                  | 10, 100 Mbit/s                                                                                      |
| interfaces / for communication / integrated                    |                                                                                                     |
| number of electrical connections                               |                                                                                                     |
| • for network components or terminal equipment                 | 12; RJ45                                                                                            |
| interfaces / other                                             |                                                                                                     |
| number of electrical connections                               |                                                                                                     |
| • for power supply                                             | 1                                                                                                   |
| supply voltage, current consumption, power loss                |                                                                                                     |
| product component / connection for redundant voltage supply    | Yes                                                                                                 |
| <b>type of voltage / 1 / of the supply voltage</b>             | DC                                                                                                  |
| • supply voltage / 1 / rated value                             | 24 V                                                                                                |
| • power loss [W] / 1 / rated value                             | 4.8 W                                                                                               |
| • supply voltage / 1 / voltage range                           | 19.2 ... 28.8                                                                                       |
| • consumed current / 1 / maximum                               | 0.2 A                                                                                               |
| • 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 / voltage range                           | 19.2 ... 28.8                                                                                       |
| 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 weights                                 |                                                                                                     |
| design                                                         | compact                                                                                             |
| width                                                          | 80 mm                                                                                               |
| height                                                         | 117 mm                                                                                              |
| depth                                                          | 109 mm                                                                                              |
| net weight                                                     | 0.345 kg                                                                                            |
| fastening method                                               |                                                                                                     |

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| <ul style="list-style-type: none"> <li>• 35 mm DIN-rail mounting</li> <li>• wall mounting</li> <li>• S7-300 rail mounting</li> <li>• S7-1500 rail mounting</li> </ul>                                                                                                                                                                                                                 | Yes<br>No<br>No<br>No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>product functions / management, configuration, engineering</b>                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| product function                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• multiport mirroring</li> <li>• CoS</li> <li>• switch-managed</li> </ul>                                                                                                                                                                                                                                                                      | No<br>Yes<br>No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PROFINET conformity class                                                                                                                                                                                                                                                                                                                                                             | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>product functions / redundancy</b>                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| product function                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> <li>• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>                                                                                                                                                                                      | Yes<br>No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>standards, specifications, approvals</b>                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• CE marking</li> <li>• cULus approval</li> <li>• KC approval</li> <li>• Regulatory Compliance Mark (RCM)</li> </ul>                                                                                                                                                                                                                           | Yes<br>Yes<br>Yes<br>Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| standard                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• for EMC interference emission</li> <li>• for immunity to EMC</li> <li>• for safety / from CSA and UL</li> </ul>                                                                                                                                                                                                                              | EN 61000-6-4 (Class B)<br>61000-6-2<br>UL 60950-1, CSA C22.2 No. 60950-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>standards, specifications, approvals / hazardous environments</b>                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• ATEX</li> <li>• UKEX</li> <li>• IECEx</li> <li>• ULhazloc approval</li> <li>• CCC / for hazardous zone according to GB standard</li> <li>• FM registration</li> </ul>                                                                                                                                                                        | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>standards, specifications, approvals / other</b>                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>                                                                                                                                                                                                                                                                                                                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| resistance to air pollution / conformity according to ANSI/ISA-71.04                                                                                                                                                                                                                                                                                                                  | Yes; G3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>standards, specifications, approvals / Environmental Product Declaration</b>                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Environmental Product Declaration                                                                                                                                                                                                                                                                                                                                                     | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| global warming potential [CO2 eq]                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• total</li> <li>• during manufacturing</li> <li>• during operation</li> <li>• after end of life</li> </ul>                                                                                                                                                                                                                                    | 252.5 kg<br>26.6 kg<br>225.28 kg<br>0.6 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>product functions / general</b>                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MTBF                                                                                                                                                                                                                                                                                                                                                                                  | 83 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| warranty period                                                                                                                                                                                                                                                                                                                                                                       | 5 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>further information / internet links</b>                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| internet link                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a><br><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a><br><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a><br><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a><br><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a><br><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |
| <b>security information</b>                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| security information | Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="https://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7) |
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Approvals / Certificates

General Product Approval



EG-Konf.

[Declaration of Conformity](#)



[China RoHS](#)





UL

|                          |     |                                |
|--------------------------|-----|--------------------------------|
| General Product Approval | EMV | For use in hazardous locations |
|--------------------------|-----|--------------------------------|



RCM





ATEX



IECEx

[FM](#)

[CCC-Ex](#)

|                   |             |                          |
|-------------------|-------------|--------------------------|
| Test Certificates | Environment | Industrial Communication |
|-------------------|-------------|--------------------------|

[Type Test Certificates/Test Report](#)



EPD

[PROFINET](#)

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