

SCALANCE X112-2, Unmanaged IE switch, 12x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s Multimode BFOC, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download



<b>Product type designation</b>	<b>SCALANCE X112-2</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	12; RJ45 with securing collar
Number of 100 Mbit/s ST(BFOC) ports	
• for multimode	2
Number of 100 Mbit/s SC ports	
• for multimode	0
<b>Interfaces / other</b>	
Number of electrical connections	
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block

Signal inputs/outputs	
Operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> <li>at DC / Rated value</li> </ul>	24 V
Operating current / of the signaling contacts	
<ul style="list-style-type: none"> <li>at DC / maximum</li> </ul>	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
<ul style="list-style-type: none"> <li>external</li> </ul>	24 V
<ul style="list-style-type: none"> <li>external / minimum</li> </ul>	18 V
<ul style="list-style-type: none"> <li>external / maximum</li> </ul>	32 V
Product component / fusing at power supply input	No
Consumed current / maximum	0.45 A
Power loss [W]	
<ul style="list-style-type: none"> <li>at DC / at 24 V</li> </ul>	5.16 W
Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-10 ... +70 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +80 °C
Relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
Protection class IP	IP30
Design, dimensions and weights	
Design	compact
Width	120 mm
Height	125 mm
Depth	124 mm
Net weight	1.1 kg
Mounting type	
<ul style="list-style-type: none"> <li>35 mm 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>S7-300 rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>S7-1500 rail mounting</li> </ul>	No
Product functions / management, configuration, engineering	
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
Product function / switch-managed	No

## Product functions / redundancy

### Product function

- Parallel Redundancy Protocol (PRP)/operation in the PRP-network
- Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)

Yes

No

## Standards, specifications, approvals

### Standard

- for FM
- for hazardous zone
- for safety / from CSA and UL
- for hazardous zone / from CSA and UL
- for emitted interference
- for interference immunity

FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4

EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X

UL 60950-1, CSA C22.2 No. 60950-1

UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T.., Class 1 / Zone 2 / Group IIC / T..

EN 61000-6-4:2001

EN 61000-6-2:2001

## Standards, specifications, approvals / CE

### Certificate of suitability / CE marking

Yes

## Standards, specifications, approvals / other

### Certificate of suitability

- C-Tick
- KC approval

EN 61000-6-2:2001, EN 61000-6-4:2001

Yes

Yes

## Standards, specifications, approvals / marine classification

### Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)
- DNV GL
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

Yes

Yes

No

No

Yes

Yes

Yes

Yes

Yes

## Standards, specifications, approvals / Product conformity

### MTBF

61.3 y

## Further information / Internet-Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL

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

- 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/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

### 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 <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)

**last modified:**

01/13/2020