

SCALANCE X104-2, Unmanaged IE switch, 4x 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



Product type designation	SCALANCE X104-2
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections for network components or terminal equipment	4; 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
Interfaces / other	
Number of electrical connections - for signaling contact - for power supply - for redundant voltage supply	1 1 1
Type of electrical connection - for signaling contact - for power supply	2-pole terminal block 4-pole terminal block

Signal inputs/outputs	
Operating voltage / of the signaling contacts	
• at DC / Rated value	24 V
Operating current / of the signaling contacts	
• at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external / minimum	18 V
• external / maximum	32 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	0.16 A
Power loss [W]	
• at DC / at 24 V	3.8 W
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	IP30
Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.78 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No
Product functions / management, configuration, engineering	
Product function	
• multiport mirroring	No
• CoS	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, Division 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 (Class A)

EN 61000-6-2

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, EN 61000-6-4

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

134.87 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

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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)

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