

Product type designation

SIPLUS SCALANCE X104-2

SIPLUS NET SCALANCE X104-2 -25 ... +60 DEGREE C WITH CONFORMAL COATING BASED ON 6GK5104-2BB00-2AA3



Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
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Interfaces / for communication / integrated

Number of electrical connections	4
<ul style="list-style-type: none"> for network components or terminal equipment 	

Interfaces / others

Number of electrical connections	1
<ul style="list-style-type: none"> for signaling contact 	
<ul style="list-style-type: none"> for power supply 	
Number of electrical connections	1
<ul style="list-style-type: none"> for redundant voltage supply 	1

Type of electrical connection	2-pole terminal block
<ul style="list-style-type: none"> for signaling contact 	
<ul style="list-style-type: none"> for power supply 	4-pole terminal block

Signal-Inputs/outputs

Operating voltage / of the signaling contacts	24 V
<ul style="list-style-type: none"> at DC / Rated value 	
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	18 ... 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	0.175 A
Power loss [W]	
• at DC / at 24 V	3.8 W

Permitted ambient conditions

Ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	100 %
• with condensation / maximum	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Ambient condition / relating to ambient temperature - air pressure - installation altitude	-25 ... +60°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // -25 ... +50°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // -25 ... +40°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Resistance to biologically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to chemically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, class 3C4 incl. salt spray according to EN 60068-2-52 (severity 3). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to mechanically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, Class 3S4 including sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation!
Protection class IP	IP30

Design, dimensions and weight

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
- S7-300 rail mounting

Yes

Yes

Product functions / management, configuration

Product function

- switch-managed

No

Standards, specifications, approvals

Standard

- for hazardous zone
- for emitted interference
- for interference immunity

EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA IIT..., KEMA 07 ATEX 0145 X

EN 61000-6-4 (Class A)

EN 61000-6-2

Certificate of suitability / CE marking

Yes

Certificate of suitability

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

- Railway application in accordance with EN 50155
- Railway application in accordance with EN 50124-1
- KC approval

No

No

Yes

Marine classification association

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

No

No

No

No

No

No

No

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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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:

03/11/2017