



SIPLUS NET SCALANCE X101-1 for medial exposure based on 6GK5101-1BB00-2AA3

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| <b>product type designation</b>  | <b>SIPLUS NET SCALANCE X101-1</b>  |
| <b>transfer rate</b>   |  |
| transfer rate  | 10 Mbit/s, 100 Mbit/s  |
| <b>interfaces / for communication / integrated</b>   |  |
| number of electrical connections<br>• for network components or terminal equipment   | 1  |
| <b>interfaces / other</b>  |  |
| number of electrical connections<br>• for signaling contact<br>• for power supply  | 1<br>1   |
| type of electrical connection<br>• for signaling contact<br>• for power supply   | 2-pole terminal block<br>4-pole terminal block   |
| <b>signal inputs/outputs</b>   |  |
| operating voltage / of the signaling contacts<br>• at DC / rated value   | 24 V   |
| operational current / of the signaling contacts<br>• at DC / maximum   | 0.1 A  |
| <b>supply voltage, current consumption, power loss</b>   |  |
| product component / connection for redundant voltage supply  | Yes  |
| <b>type of voltage / 1 / of the supply voltage</b><br>• supply voltage / 1 / rated value<br>• power loss [W] / 1 / rated value<br>• supply voltage / 1 / rated value | DC<br>24 V<br>3 W<br>18 ... 32 V   |
| <b>ambient conditions</b>  |  |
| ambient temperature / in horizontal mounting position / during operation   | 60 ... -10 °C  |
| ambient temperature / during storage and transport   | 80 ... -40 °C  |
| installation altitude / at height above sea level / maximum  | 5000 m   |
| relative humidity<br>• with condensation / acc. to IEC 60068-2-38 / maximum  | 100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation  |
| chemical resistance / to commercially available cooling lubricants   | Yes; incl. airborne diesel and oil droplets  |
| ambient condition / relating to ambient temperature - air pressure - installation altitude   | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m) |
| resistance to biologically active substances<br>• conformity acc. to EN 60721-3-3  | Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on  |

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-6</li> </ul>   | request<br>Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)   |
| resistance to chemically active substances <ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> <li>conformity acc. to EN 60721-3-6</li> </ul>   | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *<br>Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); * |
| resistance to mechanically active substances <ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> <li>conformity acc. to EN 60721-3-6</li> </ul>   | Yes; Class 3S4 incl. sand, dust; *<br>Yes; Class 6S3 incl. sand, dust; *  |
| environmental category / acc. to IEC 60721 / note   | * The supplied plug covers must remain in place on the unused interfaces during operation!  |
| coating / for equipped printed circuit board / acc. to EN 61086   | Yes; Class 2 for high availability  |
| type of coating <ul style="list-style-type: none"> <li>protection against pollution according to EN 60664-3</li> </ul>  | Yes; protection of the type 1   |
| type of test / of the coating / acc. to MIL-I-46058C  | Yes; coating discoloration during service life possible   |
| product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A  | Yes; conformal coating, class A   |
| protection class IP   | IP30  |
| <b>design, dimensions and weights</b>   |   |
| design  | compact   |
| width   | 40 mm   |
| height  | 125 mm  |
| depth   | 124 mm  |
| net weight  | 0.55 kg   |
| fastening method <ul style="list-style-type: none"> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> <li>S7-300 rail mounting</li> </ul>   | Yes<br>Yes<br>Yes   |
| <b>product functions / management, configuration, engineering</b>   |   |
| product function / switch-managed   | No  |
| <b>standards, specifications, approvals</b>   |   |
| standard <ul style="list-style-type: none"> <li>for emitted interference</li> <li>for interference immunity</li> </ul>  | EN 61000-6-3 (Class B)<br>EN 61000-6-2  |
| reference code <ul style="list-style-type: none"> <li>acc. to IEC 81346-2</li> <li>according to IEC 81346-2:2019</li> </ul>   | KF<br>KFE   |
| <b>standards, specifications, approvals / CE</b>  |   |
| certificate of suitability / CE marking   | Yes   |
| <b>standards, specifications, approvals / hazardous environments</b>  |   |
| standard / for hazardous zone   | EN 600079-15 II 3 G EEx nA II T.. KEMA 06 ATEX 0021 X   |
| <b>standards, specifications, approvals / other</b>   |   |
| certificate of suitability <ul style="list-style-type: none"> <li>KC approval</li> <li>railway application in accordance with EN 50155</li> <li>railway application in accordance with EN 50124-1</li> </ul>  | EN 61000-6-2, EN 61000-6-4<br>Yes<br>No<br>No   |
| <b>standards, specifications, approvals / marine classification</b>   |   |
| Marine classification association <ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>French marine classification society (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Germanische Lloyd (GL)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (NK)</li> <li>Polski Rejestr Statkow (PRS)</li> </ul> | No<br>No<br>No<br>No<br>No<br>No<br>No  |
| <b>further information / internet-Links</b>   |   |
| Internet-Link   |   |

- to web page: selection aid TIA 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

security information

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last modified:

11/6/2021 