



SIPLUS NET SCALANCE X101-1 based on 6GK5101-1BB00-2AA3 with conformal coating, -10...+60 °C,

product type designation	SIPLUS NET SCALANCE X101-1
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections • for network components or terminal equipment	1
interfaces / other	
number of electrical connections • for signaling contact • for power supply	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
operational current / of the signaling contacts • at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value	DC 24 V 3 W 18 ... 32 V
ambient conditions	
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 • with condensation / according 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 • conformity according to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on

<ul style="list-style-type: none"> conformity according to EN 60721-3-6 	request Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity acc. to EN 60721-3-6 	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * 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"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 	Yes; Class 3S4 incl. sand, dust; * Yes; Class 6S3 incl. sand, dust; *
environmental category / according 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"> protection against pollution according to EN 60664-3 	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
design, dimensions and weights	
design	compact
width	40 mm
height	125 mm
depth	124 mm
net weight	0.55 kg
fastening method <ul style="list-style-type: none"> 35 mm top hat DIN rail mounting wall mounting S7-300 rail mounting 	Yes Yes Yes
product functions / management, configuration, engineering	
product function / switch-managed	No
standards, specifications, approvals	
standard <ul style="list-style-type: none"> for emitted interference for interference immunity 	EN 61000-6-3 (Class B) EN 61000-6-2
reference code <ul style="list-style-type: none"> according to IEC 81346-2 according to IEC 81346-2:2019 	KF KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 600079-15 II 3 G EEx nA II T.. KEMA 06 ATEX 0021 X
standards, specifications, approvals / other	
certificate of suitability <ul style="list-style-type: none"> KC approval railway application in accordance with EN 50155 railway application in accordance with EN 50124-1 	EN 61000-6-2, EN 61000-6-4 Yes No No
standards, specifications, approvals / marine classification	
Marine classification association <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (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 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>
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security information

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