



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

product type designation	
product brand name	SIPLUS NET SCALANCE
product type designation	X101-1
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
<ul style="list-style-type: none"> for network components or terminal equipment 	1
interfaces / other	
number of electrical connections	
<ul style="list-style-type: none"> for signaling contact 	1
<ul style="list-style-type: none"> for power supply 	1
type of electrical connection	
<ul style="list-style-type: none"> for signaling contact 	2-pole terminal block
<ul style="list-style-type: none"> for power supply 	4-pole terminal block
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> at DC / rated value 	24 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> supply voltage / 1 / rated value 	24 V
<ul style="list-style-type: none"> power loss [W] / 1 / rated value 	3 W
ambient conditions	
ambient temperature / in horizontal mounting position / during operation	-10 ... +60 °C
installation altitude / at height above sea level / maximum	5000 m
relative humidity	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> conformity according to EN 60721-3-3 	Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request
<ul style="list-style-type: none"> conformity according to EN 60721-3-6 	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 according to EN 60721-3-6 	<p>Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *</p> <p>Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); *</p>
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 	<p>Yes; Class 3S4 incl. sand, dust; *</p> <p>Yes; Class 6S3 incl. sand, dust; *</p>
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 / according to EN 61086	Yes; Class 2 for high availability
type of coating / protection against pollution according to EN 60664-3	Yes; protection of the type 1
type of test / of the coating / according 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 according 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 DIN-rail mounting • wall mounting • S7-300 rail mounting 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
product functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> • switch-managed 	No
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking • KC approval 	<p>Yes</p> <p>Yes</p>
standard	
<ul style="list-style-type: none"> • for immunity to EMC 	EN 61000-6-2
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 	<p>No</p> <p>No</p>
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) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) 	<p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	<p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/simatic-net</p> <p>https://sieportal.siemens.com/</p> <p>https://www.automation.siemens.com/bilddb</p> <p>https://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions

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Approvals / Certificates

General Product Approval

EMV



[Manufacturer Declaration](#)

[China RoHS](#)

[KC](#)



For use in hazardous locations

[CCC-Ex](#)



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