SIEMENS

Data sheet 6AG1101-1BB00-4AA3



*** 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	
● for network components or terminal equipment	1
interfaces / other	
number of electrical connections	
● for signaling contact	1
● for power supply	1
type of electrical connection	
● for signaling contact	2-pole terminal block
● for power supply	4-pole terminal block
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	DC
● supply voltage / 1 / rated value	24 V
● 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	
● 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 request
● conformity according to EN 60721-3-6	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)

© Copyright Siemes

resistance to chemically active substances	
● conformity according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
● conformity according to EN 60721-3-6	Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); *
resistance to mechanically active substances	
● conformity according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust; *
● conformity according to EN 60721-3-6	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 / 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	
● 35 mm DIN-rail mounting	Yes
● wall mounting	Yes
● S7-300 rail mounting	Yes
product functions / management, configuration, engineering	
product function	
● switch-managed	No
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● KC approval	Yes
standard	
● for immunity to EMC	EN 61000-6-2
standards, specifications, approvals / other	
certificate of suitability	
● railway application in accordance with EN 50155	No
● railway application in accordance with EN 50124-1	No
standards, specifications, approvals / marine classification	
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	No
● French marine classification society (BV)	No
● Det Norske Veritas (DNV)	No
● Lloyds Register of Shipping (LRS)	No
● Nippon Kaiji Kyokai (NK)	No
● Polski Rejestr Statkow (PRS)	No
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://www.siemes.plc.com/?s=6AG1101-1BB00-4AA3
● to web page: selection aid TIA Selection Tool	https://www.siemes.plc.com/?s=6AG1101-1BB00-4AA3
● to website: Industrial communication	https://www.siemes.plc.com/?s=6AG1101-1BB00-4AA3
● to web page: SiePortal	https://www.siemes.plc.com/?s=6AG1101-1BB00-4AA3
● to website: Image database	https://www.siemes.plc.com/?s=6AG1101-1BB00-4AA3
● to website: CAx-Download-Manager	https://www.siemes.plc.com/?s=6AG1101-1BB00-4AA3
● to website: Industry Online Support	https://www.siemes.plc.com/?s=6AG1101-1BB00-4AA3
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions

© Copyright Siemes

that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemes.plc.com/?s=6AG1101-1BB00-4AA3. (V4.7)

Approvals / Certificates

General Product Approval

CE EG-Konf.	UKCA	Manufacturer Declaration	China RoHS	EAC	CE EG-Konf.

General Product Approval	EMV		For use in hazardous locations		
UKCA	KC	RCM	CCC-Ex	Ex ATEX	IECEx IECEx

last modified: 3/10/2026

© Copyright Siemes