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Data sheet 6AG1503-3CB00-2AA0

product type designation	**OLM/G12 V4.0**
	SIPLUS NET OLM/G12 V4.0 based on 6GK1503-3CB00 with conformal coating, -25…+60 °C,



Technical Product Detail Page	https://i.siemens.com/1P6AG1503-3CB00-2AA0
transfer rate	
transfer rate / with PROFIBUS	9.6 kbit/s ... 12 Mbit/s
transfer rate / with PROFIBUS PA	45.45 kbit/s
interfaces	
number of electrical/optical connections / for network components or terminal equipment / maximum	3
number of electrical connections	
● for network components or terminal equipment	1
● for measuring device	1
● for signaling contact	1
● for redundant voltage supply	1
type of electrical connection	
● for network components or terminal equipment	9-pin Sub-D socket
● for measuring device	2-pole terminal block
● for power supply	-
● for power supply and signaling contact	5-pole terminal block
number of optical interfaces / for fiber optic cable	2
design of the optical interface / for fiber optic cable	BFOC port
optical data	
attenuation factor / of the FOC transmission link	
● for glass FOC with 50/125 µm / at 3 dB/km / maximum	10 dB
● for glass FOC with 62.5/125 µm / at 3.5 dB/km / maximum	12 dB
propagation delay [bit]	6.5 bit
connectable optical power relative to 1 mW	
● for glass FOC with 50/125 µm / at 3 dB/km	-15 dB
● for glass FOC with 62.5/125 µm / at 3.5 dB/km	-13 dB
optical sensitivity relating to 1 mW	
● for glass FOC with 50/125 µm / at 3 dB/km	-28 dB
● for glass FOC with 62.5/125 µm / at 3.5 dB/km	-28 dB
wavelength / of the optical interface / note	860 nm, multimode
wire length	
● for glass FOC with 50/125 µm / at 3 dB/km / maximum	3 km
● for glass FOC with 62.5/125 µm / at 3.5 dB/km / maximum	3 km
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

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supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage / at DC / rated value	24 V
supply voltage / at DC	18.8 ... 28.8 V
product component / fusing at power supply input	Yes
consumed current / at DC / at 24 V / maximum	0.2 A
ambient conditions	
ambient temperature	
● in horizontal mounting position / during operation	60 ... -25 °C
● during storage and transport	70 ... -40 °C
installation altitude / at height above sea level / maximum	5000 m
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)
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
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)
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	IP40
design, dimensions and weights	
design	compact
width	39.5 mm
height	112 mm
depth	74.5 mm
net weight	340 g
fastening method	
● 35 mm DIN-rail mounting	Yes
● wall mounting	Yes
standards, specifications, approvals	
standard	
● for emitted interference	EN 61000-6-4 (Class A)
● for interference immunity	EN 61000-6-6
certificate of suitability	EN 61000-6-2, EN 61000-6-8
● CE marking	Yes
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://siemens.com/industrial-communication

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● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information

security information	Siemens provides products and solutions with industrial cybersecurity functions 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.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval				EMV	
CE EG-Konf.	Manufacturer Declaration	UKCA	China RoHS	KC	RCM

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