SIEMENS

## Data sheet 6AG1503-3CB00-2AA0

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




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| product brand name | SIPLUS |
| 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 |


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| operational current / of the signaling contacts / at DC / maximum | 0.1 A |
| **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 |


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| ● to website: Industrial communication | https://siemens.com/industrial-communication |
| ● 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

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| 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

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

| General Product Approval | EMV | | |
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| CE EG-Konf. | UKCA | KC | RCM |

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