SIEMENS

## Data sheet 6AG1503-3CC00-2AA0

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| **product type designation** | **OLM/G12-1300 V4.0** |
| | SIPLUS NET OLM G12-1300 V4.0 based on 6GK1503-3CC00 with conformal coating, -25…+60 °C, PROFIBUS OLM/G12-1300 V4.0 optical link module with 1 RS-485 and 2 glass fiber optic cable interfaces (4 BFOC sockets), 1300 Nm shaft length for large distances with signaling contact and test port |


Figure similar

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| Technical Product Detail Page | https://i.siemens.com/1P6AG1503-3CC00-2AA0 |
| **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 power supply | 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 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 10/125 µm or 9/125 µm / at 0.5 dB/km / maximum | 8 dB |
| propagation delay [bit] | 6.5 bit |
| connectable optical power relative to 1 mW | |
| ● for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km | -19 dB |
| optical sensitivity relating to 1 mW | |
| ● for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km | -29 dB |
| wavelength / of the optical interface / note | 1310 nm, single-mode |
| wire length | |
| ● for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km / maximum | 15 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 |
| **supply voltage, current consumption, power loss** | |
| type of voltage / of the supply voltage | DC |
| supply voltage / at DC / rated value | 24 V |

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| 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 | |
| ● during operation | -25 ... +60 °C |
| ● during storage | -40 ... +70 °C |
| ● during transport | -40 ... +70 °C |
| ambient condition / relating to ambient temperature - air pressure - installation altitude | -25 ... +60°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // -25 ... +50°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // -25 ... +40°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m) |
| relative humidity | |
| ● with condensation / maximum | 100 %; RH, incl. condensation/frost permitted (no commissioning when condensation is present) |
| resistance to biologically active substances | |
| ● conformity according to EN 60721-3-3 | Yes; Compliant with EN 60721-3-3, Class 3B2 mold and fungal spores (except fauna). The supplied plug covers must remain in place on the unused interfaces during operation. |
| resistance to chemically active substances | |
| ● conformity according to EN 60721-3-3 | Yes; Compliant with EN 60721-3-3, Class 3C4 incl. salt spray in accordance with EN 60068-2-52 (severity 3). The supplied plug covers must remain in place on the unused interfaces during operation. |
| resistance to mechanically active substances | |
| ● conformity according to EN 60721-3-3 | Yes; Compliant with EN 60721-3-3, Class 3S4 incl. sand, dust. The supplied plug covers must remain in place on the unused interfaces during operation. |
| 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 61000-6-2 |
| certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| ● 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 |
| ● 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 |

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

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| **last modified:** | 10/29/2025 |