

product type designation

SIPLUS NET OLM/G12 V4.0

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



| 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 | |
| <ul style="list-style-type: none"> for network components or terminal equipment for measuring device for signaling contact for redundant voltage supply | <p>1</p> <p>1</p> <p>1</p> <p>1</p> |
| type of electrical connection | |
| <ul style="list-style-type: none"> for network components or terminal equipment for measuring device for power supply for power supply and signaling contact | <p>9-pin Sub-D socket</p> <p>2-pole terminal block</p> <p>-</p> <p>5-pole terminal block</p> |
| 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 | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 µm / at 3 dB/km / maximum for glass FOC with 62.5/125 µm / at 3.5 dB/km / maximum | <p>10 dB</p> <p>12 dB</p> |
| propagation delay [bit] | 6.5 bit |
| connectable optical power relative to 1 mW | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 µm / at 3 dB/km for glass FOC with 62.5/125 µm / at 3.5 dB/km | <p>-15 dB</p> <p>-13 dB</p> |
| optical sensitivity relating to 1 mW | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 µm / at 3 dB/km for glass FOC with 62.5/125 µm / at 3.5 dB/km | <p>-28 dB</p> <p>-28 dB</p> |
| wire length | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 µm / at 3 dB/km / maximum for glass FOC with 62.5/125 µm / at 3.5 dB/km / maximum | <p>3 km</p> <p>3 km</p> |
| 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 |
| 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 | 60 ... -25 °C |
| <ul style="list-style-type: none"> in horizontal mounting position / during operation 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 | 100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation |
| <ul style="list-style-type: none"> with condensation / according to IEC 60068-2-38 / maximum | Yes; incl. airborne diesel and oil droplets |
| chemical resistance / to commercially available cooling lubricants | Yes; incl. airborne diesel and oil droplets |
| resistance to biologically active substances | Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-3 | Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna) |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-6 | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| resistance to chemically active substances | Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); * |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-3 | |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-6 | |
| resistance to mechanically active substances | Yes; Class 3S4 incl. sand, dust; * |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-3 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 | Yes; protection of the type 1 |
| <ul style="list-style-type: none"> protection against pollution according to EN 60664-3 | Yes; coating discoloration during service life possible |
| type of test / of the coating / according to MIL-I-46058C | Yes; conformal coating, class A |
| product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A | |
| 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 | |
| <ul style="list-style-type: none"> 35 mm top hat DIN rail mounting | Yes |
| <ul style="list-style-type: none"> wall mounting | Yes |
| standards, specifications, approvals | |
| standard | EN 61000-6-4 (Class A) |
| <ul style="list-style-type: none"> for emitted interference for interference immunity | EN 61000-6-6 |
| certificate of suitability | EN 61000-6-2, EN 61000-6-8 |
| <ul style="list-style-type: none"> CE marking | Yes |
| further information / internet-Links | |
| Internet-Link | |
| <ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool to website: Industrial communication to website: Industry Mall to website: Information and Download Center to website: Image database | http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb |

- to website: CAx-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/cax>
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security information

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