

Product type designation

SIPLUS NET OLM/G12 V4.0

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



Transmission 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	
Damping ratio / of the FOC transmission link	
<ul style="list-style-type: none"> for glass FOC with 50/125 μm / at 3 dB/km / maximum 	10 dB
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> for glass FOC with 50/125 μm / at 3 dB/km 	-15 dB
<ul style="list-style-type: none"> for glass FOC with 62.5/125 μm / at 3.5 dB/km 	-13 dB
Optical sensitivity relating to 1 mW	
<ul style="list-style-type: none"> for glass FOC with 50/125 μm / at 3 dB/km 	-28 dB
<ul style="list-style-type: none"> for glass FOC with 62.5/125 μm / at 3.5 dB/km 	-28 dB
Wavelength	
<ul style="list-style-type: none"> for glass FOC with 50/125 μm / compatible with interface / at 3 dB/km 	860 nm
<ul style="list-style-type: none"> for glass FOC with 62.5/125 μm / compatible with interface / at 3.5 dB/km 	860 nm
Wire length	
<ul style="list-style-type: none"> for glass FOC with 50/125 μm / at 3 dB/km / maximum 	3 km
<ul style="list-style-type: none"> 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
Operating 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
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> during operation 	-25 ... +60 °C
<ul style="list-style-type: none"> during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> 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 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Resistance to biologically active substances / conformity acc. 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 acc. 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 acc. 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 weight

Design	compact
Width	39.5 mm
Height	112 mm
Depth	74.5 mm
Net weight	340 g
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes

Product functions / Redundancy

Product function / Ring redundancy	Yes
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Standards, specifications, approvals

Standard	
• for FM	-
• for hazardous zone	No
• for safety / from CSA and UL	No
• for hazardous zone / from CSA and UL	No
• 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
• C-Tick	No
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	No
• Lloyds Register of Shipping (LRS)	No

- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)

No

No

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<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>

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

<https://support.industry.siemens.com>

Security information

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Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

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