

Product type designation

SIPLUS NET OLM/G12 V4.0

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



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	
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
Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • in horizontal mounting position / during operation 	60 ... -25 °C
<ul style="list-style-type: none"> • during storage and transport 	70 ... -40 °C
Installation altitude / at height above sea level / maximum	5000 m
Relative humidity	

<ul style="list-style-type: none"> • with condensation / acc. to IEC 60068-2-38 / maximum 	100 %
Chemical resistance / to commercially available cooling lubricants	Yes
Resistance to biologically active substances	
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 	Yes
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-6 	Yes
Resistance to chemically active substances	
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 	Yes
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-6 	Yes
Resistance to mechanically active substances	
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 	Yes
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-6 	Yes
Coating / for equipped printed circuit board / acc. to EN 61086	Yes
Type of coating	
<ul style="list-style-type: none"> • protection against pollution according to EN 60664-3 	Yes
Type of test / of the coating / acc. to MIL-I-46058C	Yes
Product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A	Yes
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
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes

Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> • 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 website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst

- 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/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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