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Data sheet 6AG1503-3CB00-2AA0

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	
• 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

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Optical data	
Damping ratio / 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	
• for glass FOC with 50/125 µm / compatible with interface / at 3 dB/km	860 nm
• for glass FOC with 62.5/125 µm / compatible with interface / at 3.5 dB/km	860 nm
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
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	
• 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
Relative humidity	

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• with condensation / acc. to IEC 60068-2-38 / maximum	100 %
Chemical resistance / to commercially available cooling lubricants	Yes
Resistance to biologically active substances	
• conformity acc. to EN 60721-3-3	Yes
• conformity acc. to EN 60721-3-6	Yes
Resistance to chemically active substances	
• conformity acc. to EN 60721-3-3	Yes
• conformity acc. to EN 60721-3-6	Yes
Resistance to mechanically active substances	
• conformity acc. to EN 60721-3-3	Yes
• conformity acc. to EN 60721-3-6	Yes
Coating / for equipped printed circuit board / acc. to EN 61086	Yes
Type of coating	
• 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	
• 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: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst

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• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

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