

Product type designation

SIPLUS NET OLM/G12-1300 V4.0

SIPLUS NET OLM G12-1300 V4.0 -25...+60°C with conformal coating based on 6GK1503-3CC00 . PROFIBUS OLM/G12-1300 V4.0 Optical Link Module with 1 RS-485 and 2 glas-LWL- interfaces (4 BFOC- Buchsen), 1300Nm wave-length for large distances with signal contact and test port.



Figure similar

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 power supply • for redundant voltage supply 	<p>1</p> <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 and signaling contact 	<p>9-pin Sub-D socket</p> <p>2-pole terminal block</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 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 <ul style="list-style-type: none"> for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km 	-19 dB
Optical sensitivity relating to 1 mW <ul style="list-style-type: none"> for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km 	-29 dB
Wavelength <ul style="list-style-type: none"> for glass FOC with 10/125 µm or 9/125 µm / compatible with interface / at 0.5 dB/km 	1310 nm
Wire length <ul style="list-style-type: none"> 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
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"> during operation during storage during transport 	-25 ... +60 °C -40 ... +70 °C -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 <ul style="list-style-type: none"> with condensation / maximum 	100 %
Resistance to biologically active substances	

<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 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 • wall mounting 	Yes Yes

Standards, specifications, approvals	
Standard <ul style="list-style-type: none"> • for emitted interference • for interference immunity 	EN 61000-6-4 (Class A) EN 61000-6-2
Certificate of suitability <ul style="list-style-type: none"> • CE marking 	EN 61000-6-2, EN 61000-6-4 Yes

Further information / Internet-Links	
Internet-Link <ul style="list-style-type: none"> • 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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