

### product type designation



Figure similar

### SIPLUS NET OLM/G12-1300 V4.0

SIPLUS NET OLM G12-1300 V4.0 based on 6GK1503-3CC00 with conformal coating, -25...+60 °C, PROFIBUS OLM/G12-1300 V4.0 optical link module with 1 RS-485 and 2 glass fiber optic cable interfaces (4 BFOC sockets), 1300 Nm shaft length for large distances with signaling contact and test port

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 power supply	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 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
optical data	
attenuation factor / of the FOC transmission link	
• 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	
• for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km	-19 dB
optical sensitivity relating to 1 mW	
• for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km	-29 dB
wavelength / of the optical interface / note	1310 nm, single-mode
wire length	
• 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
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
<b>ambient conditions</b>	
ambient temperature <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-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"> <li>with condensation / maximum</li> </ul>	100 %; RH, incl. condensation/frost permitted (no commissioning when condensation is present)
resistance to biologically active substances <ul style="list-style-type: none"> <li>conformity according to EN 60721-3-3</li> </ul>	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"> <li>conformity according to EN 60721-3-3</li> </ul>	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"> <li>conformity according to EN 60721-3-3</li> </ul>	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
<b>design, dimensions and weights</b>	
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"> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> </ul>	Yes Yes
<b>standards, specifications, approvals</b>	
standard <ul style="list-style-type: none"> <li>for emitted interference</li> <li>for interference immunity</li> </ul>	EN 61000-6-4 (Class A) EN 61000-6-2
certificate of suitability <ul style="list-style-type: none"> <li>CE marking</li> </ul>	EN 61000-6-2, EN 61000-6-4 Yes
<b>further information / internet links</b>	
internet link <ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	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 <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a> . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a> . (V3.4)

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