

<b>Product type designation</b>	<b>SIPLUS NET OLM/G12-1300 V4.0</b> SIPLUS NET OLM/G12-1300 V4.0 for medial exposure based on 6GK1503-3CC00
<b>Transfer rate</b>	
Transfer rate / with PROFIBUS	9.6 kbit/s ... 12 Mbit/s
Transfer rate / with PROFIBUS PA	45.45 kbit/s
<b>Interfaces</b>	
Number of electrical/optical connections / for network components or terminal equipment / maximum	3
Number of electrical connections	
<ul style="list-style-type: none"> <li>• for network components or terminal equipment</li> <li>• for measuring device</li> <li>• for signaling contact</li> <li>• for redundant voltage supply</li> </ul>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>
Type of electrical connection	
<ul style="list-style-type: none"> <li>• for network components or terminal equipment</li> <li>• for measuring device</li> <li>• for power supply</li> <li>• for power supply and signaling contact</li> </ul>	<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
<b>Optical data</b>	
Damping ratio / of the FOC transmission link	
<ul style="list-style-type: none"> <li>• for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km / maximum</li> <li>• for glass FOC with 62.5/125 µm / at 1 dB/km / maximum</li> </ul>	<p>8 dB</p> <p>10 dB</p>
propagation delay [bit]	6.5 bit
Connectable optical power relative to 1 mW	
<ul style="list-style-type: none"> <li>• for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km</li> <li>• for glass FOC with 62.5/125 µm / at 1 dB/km</li> </ul>	<p>-19 dB</p> <p>-17 dB</p>
Optical sensitivity relating to 1 mW	
<ul style="list-style-type: none"> <li>• for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km</li> <li>• for glass FOC with 62.5/125 µm / at 1 dB/km</li> </ul>	<p>-29 dB</p> <p>-29 dB</p>
Wavelength	

<ul style="list-style-type: none"> <li>• for glass FOC with 10/125 µm or 9/125 µm / compatible with interface / at 0.5 dB/km</li> </ul>	1310 nm
<ul style="list-style-type: none"> <li>• for glass FOC with 62.5/125 µm / compatible with interface / at 1 dB/km</li> </ul>	1310 nm
Wire length	
<ul style="list-style-type: none"> <li>• for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km / maximum</li> </ul>	15 km
<ul style="list-style-type: none"> <li>• for glass FOC with 62.5/125 µm / at 1 dB/km / maximum</li> </ul>	10 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"> <li>• in horizontal mounting position / during operation</li> </ul>	60 ... 0 °C
<ul style="list-style-type: none"> <li>• during storage and transport</li> </ul>	70 ... -40 °C
Installation altitude / at height above sea level / maximum	5000 m
Relative humidity	
<ul style="list-style-type: none"> <li>• with condensation / acc. to IEC 60068-2-38 / maximum</li> </ul>	100 %
Chemical resistance / to commercially available cooling lubricants	Yes
Resistance to biologically active substances	
<ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-3</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-6</li> </ul>	Yes
Resistance to chemically active substances	
<ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-3</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-6</li> </ul>	Yes
Resistance to mechanically active substances	
<ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-3</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• conformity acc. to EN 60721-3-6</li> </ul>	Yes
Coating / for equipped printed circuit board / acc. to EN 61086	Yes

Type of coating	Yes
<ul style="list-style-type: none"> <li>• protection against pollution according to EN 60664-3</li> </ul>	
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	compact
Width	39.5 mm
Height	112 mm
Depth	74.5 mm
Net weight	340 g
Mounting type	
<ul style="list-style-type: none"> <li>• 35 mm DIN rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes

### Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> </ul>	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>	EN 61000-6-7
Certificate of suitability	EN 61000-6-2, EN 61000-6-9
<ul style="list-style-type: none"> <li>• CE marking</li> </ul>	Yes

### Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAx Download Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

### Security information

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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 <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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