

### 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"> <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  |

| Optical data  |                 |
|---|-----------------|
| Damping ratio / of the FOC transmission link  |                 |
| <ul style="list-style-type: none"> <li>• for glass FOC with 50/125 <math>\mu\text{m}</math> / at 3 dB/km / maximum</li> </ul>                       | 10 dB           |
| <ul style="list-style-type: none"> <li>• for glass FOC with 62.5/125 <math>\mu\text{m}</math> / at 3.5 dB/km / maximum</li> </ul>                   | 12 dB           |
| propagation delay [bit]   | 6.5 bit         |
| Connectable optical power relative to 1 mW  |                 |
| <ul style="list-style-type: none"> <li>• for glass FOC with 50/125 <math>\mu\text{m}</math> / at 3 dB/km</li> </ul>                                 | -15 dB          |
| <ul style="list-style-type: none"> <li>• for glass FOC with 62.5/125 <math>\mu\text{m}</math> / at 3.5 dB/km</li> </ul>                             | -13 dB          |
| Optical sensitivity relating to 1 mW  |                 |
| <ul style="list-style-type: none"> <li>• for glass FOC with 50/125 <math>\mu\text{m}</math> / at 3 dB/km</li> </ul>                                 | -28 dB          |
| <ul style="list-style-type: none"> <li>• for glass FOC with 62.5/125 <math>\mu\text{m}</math> / at 3.5 dB/km</li> </ul>                             | -28 dB          |
| Wavelength  |                 |
| <ul style="list-style-type: none"> <li>• for glass FOC with 50/125 <math>\mu\text{m}</math> / compatible with interface / at 3 dB/km</li> </ul>     | 860 nm          |
| <ul style="list-style-type: none"> <li>• for glass FOC with 62.5/125 <math>\mu\text{m}</math> / compatible with interface / at 3.5 dB/km</li> </ul> | 860 nm          |
| Wire length   |                 |
| <ul style="list-style-type: none"> <li>• for glass FOC with 50/125 <math>\mu\text{m}</math> / at 3 dB/km / maximum</li> </ul>                       | 3 km            |
| <ul style="list-style-type: none"> <li>• for glass FOC with 62.5/125 <math>\mu\text{m}</math> / at 3.5 dB/km / maximum</li> </ul>                   | 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"> <li>• in horizontal mounting position / during operation</li> </ul>  | 60 ... -25 °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  |         |
| <ul style="list-style-type: none"> <li>protection against pollution according to EN 60664-3</li> </ul>   | 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   | 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 61000-6-6               |
| Certificate of suitability  | EN 61000-6-2, EN 61000-6-8 |
| <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>   |

- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

## Security information

### 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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