

product type designation



### PROFIBUS OLM/G12-1300 V4.0

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.

Technical Product Detail Page

<https://i.siemens.com/1P6GK1503-3CC00>

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 power supply</li> <li>for redundant voltage supply</li> </ul>	1 1 1 1 1
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 and signaling contact</li> </ul>	9-pin Sub-D socket 2-pole terminal block 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	
<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>	8 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 10/125 μm or 9/125 μm / at 0.5 dB/km</li> </ul>	-19 dB
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> </ul>	-29 dB
wavelength / of the optical interface / note	1310 nm, single-mode
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
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	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
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	
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
<b>product functions / redundancy</b>	
product function / ring redundancy	Yes
<b>standards, specifications, approvals</b>	
standard	
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 Nr. 60950-1
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• CE marking	Yes
• C-Tick	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• French marine classification society (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Germanische Lloyd (GL)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability / CCC / for hazardous zone according to GB standard	No
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	165.41 kg
• during manufacturing	15.09 kg
• during operation	150.26 kg
• after end of life	0.06 kg
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Industrial communication	<a href="https://siemens.com/industrial-communication">https://siemens.com/industrial-communication</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<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 cybersecurity functions

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**Approvals / Certificates**

**General Product Approval**



EG-Konf.

[Declaration of Conformity](#)



CCC



[China RoHS](#)

**General Product Approval**

**EMV**

**For use in hazardous locations**

**Maritime application**



UL

[Miscellaneous](#)



RCM

[KC](#)



KEMA



ABS

**Maritime application**



BUREAU VERITAS



DNV



LRS

[NK / Nippon Kaiji Kyokai](#)



PRS



RINA

**Environment**



last modified:

10/29/2025