

### product type designation



### PROFIBUS OLM/G11-1300 V4.0

PROFIBUS OLM/G11-1300V4.0 optical link module with 1 RS485 and 1 glass FOC interface (2 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	2
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	1
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 $\mu\text{m}$ or 9/125 $\mu\text{m}$ / 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 $\mu\text{m}$ or 9/125 $\mu\text{m}$ / at 0.5 dB/km	-19 dB
optical sensitivity relating to 1 mW	
• for glass FOC with 10/125 $\mu\text{m}$ or 9/125 $\mu\text{m}$ / 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 $\mu\text{m}$ or 9/125 $\mu\text{m}$ / 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

ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
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
fastening method	
<ul style="list-style-type: none"> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> </ul>	Yes Yes
product functions / redundancy	
product function / ring redundancy	Yes
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> <li>for safety / from CSA and UL</li> <li>for emitted interference</li> <li>for interference immunity</li> </ul>	UL 60950-1, CSA C22.2 Nr. 60950-1 EN 61000-6-4 (Class A) EN 61000-6-2
certificate of suitability	EN 61000-6-2, EN 61000-6-4
<ul style="list-style-type: none"> <li>CE marking</li> <li>C-Tick</li> </ul>	Yes Yes
Marine classification association	
<ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>French marine classification society (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Germanische Lloyd (GL)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	Yes Yes Yes Yes Yes Yes
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	No
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
<ul style="list-style-type: none"> <li>total</li> <li>during manufacturing</li> <li>during operation</li> <li>after end of life</li> </ul>	165.41 kg 15.09 kg 150.26 kg 0.06 kg
further information / internet links	
internet link	
<ul style="list-style-type: none"> <li>to website: Image database</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
security information	
security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a>. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available</p>

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[Declaration of Conformity](#)



**General Product Approval      EMV      Marine / Shipping**

[Miscellaneous](#)



[KC](#)



**Marine / Shipping      Environment**



[NK / Nippon Kaiji Kyokai](#)



[Confirmation](#)

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