



PROFIBUS OLM/G12-EEC V4.0 optical link module with 1 RS 485 and 2 glass fiber optic cable interfaces (4 BFOC sockets) for extended temperature range - 20...+60 °C.

product type designation	PROFIBUS OLM/G12-EEC V4.0
<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	
• 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
<b>optical data</b>	
attenuation factor / of the FOC transmission link	
• for glass FOC with 50/125 μm / at 3 dB/km / maximum	10 dB
• for glass FOC with 62.5/125 μm / at 3.5 dB/km / maximum	12 dB
propagation delay [bit]	6.5 bit
connectable optical power relative to 1 mW	
• for glass FOC with 50/125 μm / at 3 dB/km	-16 dB
• for glass FOC with 62.5/125 μm / at 3.5 dB/km	-13 dB
optical sensitivity relating to 1 mW	
• for glass FOC with 50/125 μm / at 3 dB/km	-28 dB
• for glass FOC with 62.5/125 μm / at 3.5 dB/km	-28 dB
wavelength / of the optical interface / note	860 nm, multimode
wire length	
• for glass FOC with 50/125 μm / at 3 dB/km / maximum	3 km
• for glass FOC with 62.5/125 μm / at 3.5 dB/km / maximum	3 km
<b>signal inputs/outputs</b>	
operating voltage / of the signaling contacts / at DC / rated value	24 V
operational current / of the signaling contacts / at DC / maximum	0.1 A
<b>supply voltage, current consumption, power loss</b>	
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> </ul>	-25 ... +60 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-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> </ul>	Yes
<ul style="list-style-type: none"> <li>wall mounting</li> </ul>	Yes

#### product functions / redundancy

product function / ring redundancy	Yes
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#### 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 61000-6-2
certificate of suitability	EN 61000-6-2, EN 61000-6-4

#### further information / internet links

internet link	
<ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</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

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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#### Classifications

	Version	Classification
eClass	12	19-17-01-32
eClass	9.1	19-17-01-14
eClass	9	19-17-01-14
eClass	8	19-17-01-14
eClass	7.1	19-17-01-14
eClass	6	19-17-01-90
ETIM	9	EC001467
ETIM	8	EC001467

ETIM	7	EC001467
UNSPSC	15	43-20-15-44

**Approvals / Certificates**

**General Product Approval**

[Manufacturer Declaration](#)



**General Product Approval      EMV      Marine / Shipping**

[Miscellaneous](#)



[Declaration of Conformity](#)



**Marine / Shipping      Environment**



[NK / Nippon Kaiji Kyokai](#)



[Confirmation](#)

**Environment**

[EPD Typ II/III \(with life cycle assessment\)](#)

last modified:

11/9/2023