

### product type designation

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

PROFIBUS OLM/G12-EEC V4.0 optical link module with 1 RS485 and 2 glass FOC Interfaces (4 BFOC sockets) for extended temperature range -20...+60 °C



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 50/125 µm / at 3 dB/km / maximum</li> <li>for glass FOC with 62.5/125 µm / at 3.5 dB/km / maximum</li> </ul>	10 dB 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 µm / at 3 dB/km</li> <li>for glass FOC with 62.5/125 µm / at 3.5 dB/km</li> </ul>	-16 dB -13 dB
optical sensitivity relating to 1 mW	
<ul style="list-style-type: none"> <li>for glass FOC with 50/125 µm / at 3 dB/km</li> <li>for glass FOC with 62.5/125 µm / at 3.5 dB/km</li> </ul>	-28 dB -28 dB
wavelength	
<ul style="list-style-type: none"> <li>for glass FOC with 50/125 µm / compatible with interface / at 3 dB/km</li> <li>for glass FOC with 62.5/125 µm / compatible with interface / at 3.5 dB/km</li> </ul>	860 nm 860 nm
wire length	
<ul style="list-style-type: none"> <li>for glass FOC with 50/125 µm / at 3 dB/km / maximum</li> <li>for glass FOC with 62.5/125 µm / at 3.5 dB/km /</li> </ul>	3 km 3 km

maximum	
<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
<b>ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +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 top hat DIN rail mounting	Yes
• wall mounting	Yes
<b>product functions / redundancy</b>	
product function / ring redundancy	Yes
<b>standards, specifications, approvals</b>	
standard	
• for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
• for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, EN60079-28: 2007, II 3 (2) G Ex nA [opis] IIC T4 KEMA 09 ATEX 0173X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 Nr. 60950-1
• for hazardous zone / from CSA and UL	UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
• 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
• CCC / for hazardous zone according to GB standard	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
<b>further information / internet-Links</b>	
Internet-Link	
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>

- to website: CAx-Download-Manager
- to website: Industry Online Support

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

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

## security information

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