

product type designation



PROFIBUS OLM/G12 V4.0

PROFIBUS OLM/G12 V4.0 Optical Link Module with 1 RS485 and 2 glass FOC interfaces (4 BFOC sockets) for standard Distances up to 2850 m, with signaling contact and measuring output

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	
• 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
optical data	
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	
• for glass FOC with 50/125 μm / compatible with interface / at 3 dB/km	860 nm
• for glass FOC with 62.5/125 μm / compatible with interface / at 3.5 dB/km	860 nm
wire length	
• for glass FOC with 50/125 μm / at 3 dB/km /	3 km

maximum	
<ul style="list-style-type: none"> • for glass FOC with 62.5/125 µm / at 3.5 dB/km / maximum 	3 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"> • during operation • during storage • during transport 	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	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"> • 35 mm top hat DIN rail mounting • wall mounting 	Yes Yes
product functions / redundancy	
product function / ring redundancy	Yes
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for interference immunity 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 EN 60079-0: 2006, EN60079-15: 2005, EN60079-28: 2007, II 3 (2) G Ex nA [opis] IIC T4 KEMA 09 ATEX 0173X UL 60950-1, CSA C22.2 Nr. 60950-1 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 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"> • CE marking • C-Tick • CCC / for hazardous zone according to GB standard 	Yes Yes Yes
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) 	Yes Yes Yes Yes Yes Yes
further information / internet-Links	
Internet-Link	

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

- <http://www.siemens.com/simatic-net>
- <https://mall.industry.siemens.com>
- <http://www.siemens.com/industry/infocenter>
- <http://automation.siemens.com/bilddb>
- <http://www.siemens.com/cax>
- <https://support.industry.siemens.com>

security information

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