

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	
• 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	
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	
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
design, dimensions and weights	
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
product functions / redundancy	
product function / ring redundancy	Yes
standards, specifications, approvals	
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
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>
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security information

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