

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 | |
| <ul style="list-style-type: none"> for network components or terminal equipment for measuring device for signaling contact for power supply for redundant voltage supply | 1 1 1 1 1 |
| type of electrical connection | |
| <ul style="list-style-type: none"> for network components or terminal equipment for measuring device for power supply and signaling contact | 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"> for glass FOC with 50/125 μm / at 3 dB/km / maximum for glass FOC with 62.5/125 μm / at 3.5 dB/km / maximum | 10 dB 12 dB |
| propagation delay [bit] | 6.5 bit |
| connectable optical power relative to 1 mW | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 μm / at 3 dB/km for glass FOC with 62.5/125 μm / at 3.5 dB/km | -16 dB -13 dB |
| optical sensitivity relating to 1 mW | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 μm / at 3 dB/km for glass FOC with 62.5/125 μm / at 3.5 dB/km | -28 dB -28 dB |
| wavelength | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 μm / compatible with interface / at 3 dB/km for glass FOC with 62.5/125 μm / compatible with interface / at 3.5 dB/km | 860 nm 860 nm |
| wire length | |
| <ul style="list-style-type: none"> 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 | 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 | |
| <ul style="list-style-type: none"> to website: Industrial communication | http://www.siemens.com/simatic-net |

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<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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