

Product type designation

PROFIBUS OLM/G22 V4.0

PROFIBUS OLM/G22 V4.0; Optical Link module with 2 RS485 and 2 glass fiber-optic cable 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 | 4 |
| 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 | <p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> |
| 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 | <p>9-pin Sub-D socket</p> <p>2-pole terminal block</p> <p>5-pole terminal block</p> |
| Number of optical interfaces / for fiber optic cable | 2 |
| Design of the optical interface / for fiber optic cable | BFOC port |

| Optical data | |
|---|-----------------|
| Damping ratio / of the FOC transmission link | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 μm / at 3 dB/km / maximum | 10 dB |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 μm / at 3 dB/km | -16 dB |
| <ul style="list-style-type: none"> for glass FOC with 62.5/125 μm / at 3.5 dB/km | -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 | -28 dB |
| <ul style="list-style-type: none"> for glass FOC with 62.5/125 μm / at 3.5 dB/km | -28 dB |
| Wavelength | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 μm / compatible with interface / at 3 dB/km | 860 nm |
| <ul style="list-style-type: none"> for glass FOC with 62.5/125 μm / compatible with interface / at 3.5 dB/km | 860 nm |
| Wire length | |
| <ul style="list-style-type: none"> for glass FOC with 50/125 μm / at 3 dB/km / maximum | 3 km |
| <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 |
| Operating 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 | 0 ... 60 °C |
| <ul style="list-style-type: none"> during storage | -40 ... +70 °C |
| <ul style="list-style-type: none"> during transport | -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 |
| Mounting type | |
| • 35 mm 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 |
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| • Bureau Veritas (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: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |

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

<http://automation.siemens.com/bilddb>

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

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

Security information

Security information

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