

product type designation

PROFIBUS OLM/P12 V4.1

PROFIBUS OLM/P12 V4.1 Optical link module with 1 RS 485 and 2 plastic FOC interfaces (4 BFOC sockets), with signaling contact and test port



| 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 |
| 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 |
| design of the optical interface / for fiber optic cable | BFOC port |
| optical data | |
| propagation delay [bit] | 6.5 bit |
| connectable optical power relative to 1 mW | |
| • of the FOC transmission link / for PCF FOC with 200/230 μm / at 10 dB/km | -17 dB |
| • of the FOC transmission link / for POF FOC with 980/1000 μm / at 230 dB/km | -5 dB |
| optical sensitivity relating to 1 mW | |
| • of the FOC transmission link / for PCF FOC with 200/230 μm / at 10 dB/km | -23 dB |
| wire length | |
| • for PCF FOC with 200/230 μm / at 10 dB/km / maximum | 400 m |
| • for POF FOC with 980/1000 μm / at 230 dB/km / maximum | 80 m |
| 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 ... 32 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 | 0.34 kg | |
| 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 safety / from CSA and UL for emitted interference for interference immunity | UL 60950-1, CSA C22.2 Nr. 60950-1 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 No | |
| 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 web page: selection aid TIA Selection Tool 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/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/blddb http://www.siemens.com/cax https://support.industry.siemens.com | |
| security information | | |
| security information | <p>Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)</p> | |
| Approvals / Certificates | | |
| General Product Approval | EMC | Declaration of Conformity |

[Manufacturer Declaration](#)



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Environment



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