

### product type designation



### PROFIBUS OLM/G11 V4.0

PROFIBUS OLM/G11 V4.0 optical link module with 1 RS 485 and 1 glass fiber optic cable interface (2 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 | 2                        |
| 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  | 1                        |
| 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 / of the optical interface / note  | 860 nm, multimode        |
| wire length   |                          |
| • for glass FOC with 50/125 µm / at 3 dB/km / maximum   | 3 km                     |
| • 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   |
| <b>ambient conditions</b>   |   |
| ambient temperature   |   |
| • during operation  | 0 ... 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  |
| <b>design, dimensions and weights</b>   |   |
| design  | compact   |
| width   | 39.5 mm   |
| height  | 112 mm  |
| depth   | 74.5 mm   |
| net weight  | 340 g   |
| fastening method  |   |
| • 35 mm DIN-rail mounting   | Yes   |
| • wall mounting   | Yes   |
| <b>product functions / redundancy</b>   |   |
| product function / ring redundancy  | Yes   |
| <b>standards, specifications, approvals</b>                                     |   |
| standard  |   |
| • for safety / from CSA and UL  | UL 60950-1, CSA C22.2 Nr. 60950-1   |
| • 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   |
| • 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   |
| reference code  |   |
| • according to IEC 81346-2:2019   | KGC   |
| product function / is supported / identification link                           | Yes; acc. to IEC 61406-1:2022   |
| <b>standards, specifications, approvals / hazardous environments</b>            |   |
| certificate of suitability / CCC / for hazardous zone according to GB standard  | No  |
| <b>standards, specifications, approvals / Environmental Product Declaration</b> |   |
| Environmental Product Declaration   | Yes   |
| global warming potential [CO2 eq]   |   |
| • total   | 165.41 kg   |
| • during manufacturing  | 15.09 kg  |
| • during operation  | 150.26 kg   |
| • after end of life   | 0.06 kg   |
| <b>further information / internet links</b>                                     |   |
| internet link   |   |
| • to website: Selection guide for cables and connectors                         | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> |
| • to web page: selection aid TIA Selection Tool                                 | <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>   |
| • to website: Industrial communication  | <a href="https://siemens.com/industrial-communication">https://siemens.com/industrial-communication</a>                                 |
| • to web page: SiePortal  | <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>   |
| • to website: Image database  | <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>                                       |
| • to website: CAx-Download-Manager  | <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>   |
| • to website: Industry Online Support   | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>   |

security information

|                      |   |
|----------------------|---|
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Approvals / Certificates

General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)

|                          |     |                      |
|--------------------------|-----|----------------------|
| General Product Approval | EMV | Maritime application |
|--------------------------|-----|----------------------|



[Miscellaneous](#)



[KC](#)



|                      |             |
|----------------------|-------------|
| Maritime application | Environment |
|----------------------|-------------|



[NK / Nippon Kaiji Kyokai](#)



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