

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

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 DIN-rail mounting wall mounting 	Yes Yes

product functions / redundancy

product function / ring redundancy	Yes
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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 	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
reference code	
<ul style="list-style-type: none"> according to IEC 81346-2:2019 	KGC
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022

standards, specifications, approvals / hazardous environments

certificate of suitability / CCC / for hazardous zone according to GB standard	No
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standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> total during manufacturing during operation after end of life 	165.41 kg 15.09 kg 150.26 kg 0.06 kg

further information / internet links

internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://siemens.com/industrial-communication https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

security information

security information

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General Product Approval



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General Product Approval

EMV

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Marine / Shipping

Environment



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