

product type designation	PROFIBUS OLM/G11 EX V4.0
Technical Product Detail Page	https://l.siemens.com/1P6GK1503-2CB01
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	
<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	1
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 / of the optical interface / note	860 nm, multimode
wire length	
<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 	3 km 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 	0 ... 60 °C -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	0.34 kg
fastening method	
<ul style="list-style-type: none"> 35 mm DIN-rail mounting 	Yes
<ul style="list-style-type: none"> wall mounting 	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 	UL 60950-1, CSA C22.2 Nr. 60950-1
<ul style="list-style-type: none"> for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> for interference immunity 	EN 61000-6-2
certificate of suitability	EN 61000-6-2, EN 61000-6-4
<ul style="list-style-type: none"> CE marking 	Yes
<ul style="list-style-type: none"> C-Tick 	Yes
Marine classification association	
<ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) 	Yes
<ul style="list-style-type: none"> French marine classification society (BV) 	Yes
<ul style="list-style-type: none"> Det Norske Veritas (DNV) 	Yes
<ul style="list-style-type: none"> Germanische Lloyd (GL) 	Yes
<ul style="list-style-type: none"> Lloyds Register of Shipping (LRS) 	Yes
<ul style="list-style-type: none"> Nippon Kaiji Kyokai (NK) 	Yes
standard / for hazardous zone	EX ec nC IIC T4 Gc
standard / for hazardous zone / from CSA and UL	Class I Division 2 (UL/FM Haz Loc)
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	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> total 	165.41 kg
<ul style="list-style-type: none"> during manufacturing 	15.09 kg
<ul style="list-style-type: none"> during operation 	150.25999 kg
<ul style="list-style-type: none"> after end of life 	0.06 kg
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors 	https://support.industry.siemens.com/cs/ww/en/view/109766358
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> to website: Industrial communication 	https://siemens.com/industrial-communication
<ul style="list-style-type: none"> to web page: SiePortal 	https://sieportal.siemens.com/
<ul style="list-style-type: none"> to website: Image database 	https://www.automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAX-Download-Manager 	https://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and

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Approvals / Certificates

General Product Approval



[China RoHS](#)



For use in hazardous locations

[EM](#)



last modified:

5/9/2026 