SIEMENS

Data sheet 6GK1503-2CA01

product type designation	**PROFIBUS OLM/P11 V4.1**



********** spare part ********* PROFIBUS OLM/P11 V4.1 Optical link module with 1 RS-485 and 1 plastic FOC interface (2 BFOC sockets), with signaling contact and measuring output.

product brand name	SIMATIC NET
Technical Product Detail Page	https://i.siemens.com/1P6GK1503-2CA01
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
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

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product component / fusing at power supply input	Yes
consumed current / at DC / at 24 V / maximum	0.2 A
ambient conditions	
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
design, dimensions and weights	
design	compact
width	39.5 mm
height	112 mm
depth	74.5 mm
net weight	0.34 kg
fastening method	
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
product functions / redundancy	
product function / ring redundancy	Yes
standards, specifications, approvals	
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
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
standards, specifications, approvals / Environmental Product Declaration	
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
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://siemens.com/industrial-communication
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions

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Approvals / Certificates

General Product Approval

Declaration of Conformity

China RoHS

Manufacturer Declaration

General Product Approval | EMV | Maritime application

Maritime application

NK / Nippon Kaiji Kyokai

Environment

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