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Data sheet 6GK1503-2CA01

product type designation



PROFIBUS OLM/P11 V4.1

PROFIBUS OLM/P11 V4.1 Optical link module with 1 RS 485 and 1 plastic FOC 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
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	

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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 top hat 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
reference code	
● 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
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 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

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Approvals / Certificates

General Product Approval





Declaration of Conformity







EMV

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Environment

Confirmation

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