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Data sheet 6GK1503-3CC00

product type designation



PROFIBUS OLM/G12-1300 V4.0

PROFIBUS OLM/G12-1300 V4.0 optical link module with 1 RS 485 and 2 glass fiber optic cable interfaces (4 BFOC sockets), 1300 Nm shaft length for large distances 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	3
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	2
design of the optical interface / for fiber optic cable	BFOC port
optical data	
attenuation factor / of the FOC transmission link	
● for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km / maximum	8 dB
propagation delay [bit]	6.5 bit
connectable optical power relative to 1 mW	
● for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km	-19 dB
optical sensitivity relating to 1 mW	
● for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km	-29 dB
wavelength / of the optical interface / note	1310 nm, single-mode
wire length	
● for glass FOC with 10/125 µm or 9/125 µm / at 0.5 dB/km / maximum	15 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

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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	340 g
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
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 web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://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 security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial

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	security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

Approvals / Certificates

General Product Approval

Manufacturer Declaration

EG-Konf.

KEMA

UL

Miscellaneous

General Product Approval

RCM

EMV

KC

Marine / Shipping

ABS

BUREAU VERITAS

DNV

Marine / Shipping

LRS

NK / Nippon Kaiji Kyokai

PRS

RINA

Environment

Confirmation

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