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Show actual product details

Data sheet 6GK1503-2CC00

Product type designation

PROFIBUS OLM/G11-1300 V4.0

PB OLM/G11-1300V4.0 OPTICAL LINK MODULE W. 1 RS485 AND 1 GLASS-FOC-INTERFACE (2 BFOC-SOCKETS),1300NM WAVE LENGTH FOR GREAT DISTANCES WITH SIGNAL. CONTACT AND MEASURING OUTPUT



Transmission 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 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

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Optical data	
Damping ratio / 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	
• for glass FOC with 10/125 µm or 9/125 µm / compatible with interface / at 0.5 dB/km	1310 nm
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
Operating 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

Permitted 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 weight	
Design	compact
Width	39.5 mm
Height	112 mm
Depth	74.5 mm
Net weight	340 g

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Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes

Product functions / Redundancy

Product function / Ring redundancy	Yes

Standards, specifications, approvals

Standard	
• for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
• for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0003X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 Nr. 60950-1
• for hazardous zone / from CSA and UL	UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
• 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
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Germanische Lloyd (GL)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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

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last modified:	07/07/2016

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