SIEMENS

Data sheet

Product type designation

6AG1503-2CC00-2AA0

coating based on 6GK1503-2CC00 . Optical Link Module with 1 RS485 and 1 glass FOC interface (2 BFOC sockets), 1300Nm Shaft Length for large distances with signaling contact and test port

Figure similar

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	2
components or terminal equipment / maximum	
Number of electrical connections	
 for network components or terminal equipment 	1
 for measuring device 	1
 for signaling contact 	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	-
 for power supply and signaling contact 	5-pole terminal block

SIPLUS NET OLM/G11-1300 V4.0

SIPLUS NET OLM/G11-1300 V4.0 -25...+60°C with conformal



Number of optical interfaces / for fiber optic cable	1
Design of the optical interface / for fiber optic cable	BFOC port
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
● for glass FOC with 62.5/125 μm / at 1 dB/km / maximum	10 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
● for glass FOC with 62.5/125 µm / at 1 dB/km	-17 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
● for glass FOC with 62.5/125 µm / at 1 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
 for glass FOC with 62.5/125 μm / compatible with interface / at 1 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
 for glass FOC with 62.5/125 μm / at 1 dB/km / maximum 	10 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 	-25 +60 °C
 during storage 	-40 +70 °C



04/14/2019

 40 + 70 °C Ambient condition / relating to ambient temperature air pressure - installation altitude 42 + 60° Cat 1980 hPa 736 hPa (-1000 m + 2000 m) // -25 + 40° C at 580 hPa (-500 m // -25 + 40° C at 1000 hPa (-500 m // -25 + 40° C		
air pressure - installation altitude +50°C at 756 hPa 568 hPa (+2000 m+5000 m) Relative humidity / with condensation / maximum 100 %; r. F. ind. Condensation/Tos parmitted (no commissioning in bedewed state) Resistance to biologically active substances / conformity acc: to EN 60721-3-3 Yes; Compliant with EN 60721-3-3, Class 3B2 mold and fungal conformity acc: to EN 60721-3-3 Resistance to chemically active substances / conformity acc: to EN 60721-3-3 Yes; Compliant with EN 60721-3-3, Class 3C4 incl. satt spray in a coordnace with EN 60082-52 (sewerif) 3). The supplied plug covers must remain in place on the unused interfaces during operation. Resistance to mechanically active substances / conformity acc: to EN 60721-3-3 Yes; Compliant with EN 60721-3-3, Class 3S4 incl. sand, dust. The supplied plug covers must remain in place on the unused interfaces during operation. Protection class IP IP40 Design compact Witth 39.5 mm (height) 112 mm Depth 74.5 mm (net weight) 340 g Mounting type - • So mn DIN rail mounting Yes Yes Standard • for FM - • for hazardous zone No • for interfacence EN 61000-6-4 • for interfacence EN 61000-6-4 • for interfacence EN 61000-6-4 • for intarardous zone / from CSA and UL No <		-40 +70 °C
+40°C at 68 bPa 540 hPa (+3500 m +5000 m) Relative humidity / with condensation / maximum 100 %; r.F., ind. condensation/frost permitted (no cormissioning in bedewed state) Resistance to biologically active substances / conformity acc. to EN 60721-3-3 Yes: Compliant with EN 60721-3-3. Class 3B2 mold and fungal sporse (except fauna). The supplied plug covers must remain in place on the unused interfaces during operation. Resistance to chemically active substances / conformity acc. to EN 60721-3-3 Yes: Compliant with EN 60721-3-3. Class 3C4 incl. salt spray in accordance with EN 60082-52 (severity 3). The supplied plug covers must remain in place on the unused interfaces during operation. Resistance to mechanically active substances / conformity acc. to EN 60721-3-3 Compliant with EN 60721-3-3. Class 3S4 incl. sand, dust. The supplied plug covers must remain in place on the unused interfaces during operation. Protection class IP IP40 Design_dimensions_and weight Compact Design_dimensions compact Width 39.5 mm (height) 112 mm Depth 74.5 mm (ret weight) 340 g Mounting type ves • 35 mm DIN rail mounting Yes • Yes Standards. specifications, approvals Standards specifications, approvals Standards No • for hazardous zone No • for hazardous zone / from CSA and UL No		
in bedewed state) Presistance to biologically active substances / Sec Compliant with EN 60721-3-3. Class 382 mold and fungal spores (except fauna). The supplied plug covers must remain in place on the unused interfaces during operation. Presistance to chemically active substances / conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanically active substances / Conformity acc. to EN 60721-3-3 Presistance to mechanicaly	air pressure - installation altitude	· · · · · · · · · · · · · · · · · · ·
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place on the unused interfaces during operation. Resistance to chemically active substances / conformity acc. to EN 60721-3-3 Yes; Compliant with EN 60721-3-3. Class 204 incl. salt spray in accordance with EN 60082-252 (severity 3). The supplied plug covers must remain in place on the unused interfaces during operation. Resistance to mechanically active substances / conformity acc. to EN 60721-3-3 The supplied plug covers must remain in place on the unused interfaces during operation. Protection class IP IP40 Design compact Width 39.5 mm (height) 112 mm Depth 74.5 mm (net weight) 340 g Mounting type - • s35 mm DIN rail mounting Yes Product functions / Redundancy Yes Product functions / Redundancy Yes Standard - • for FM - • for in hazardous zone No • for intardous zone / from CSA and UL No • for intardous zone / from CSA and UL No • for interference EN 61000-6-4 (Class A) • for interference EN 61000-6-4 • for intazardous zone / from CSA and UL No <td>Resistance to biologically active substances /</td> <td>Yes; Compliant with EN 60721-3-3, Class 3B2 mold and fungal</td>	Resistance to biologically active substances /	Yes; Compliant with EN 60721-3-3, Class 3B2 mold and fungal
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Standards, specifications, approvals Standard • for FM • for hazardous zone • for safety / from CSA and UL • for nazardous zone / from CSA and UL • for nazardous zone / from CSA and UL • for emitted interference • for interference immunity • for interference immunity • (certificate of suitability) • Certificate of suitability / CE marking • Certificate of suitability / CE-Tick Marine classification association • American Bureau of Shipping Europe Ltd. (ABS)	Product functions / Redundancy	
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• for interference immunityEN 61000-6-4• (certificate of suitability)EN 61000-6-2, EN 61000-6-6• Certificate of suitability / CE markingYes• Certificate of suitability / C-TickNoMarine classification associationNo• American Bureau of Shipping Europe Ltd. (ABS)No	 for hazardous zone / from CSA and UL 	No
• (certificate of suitability) EN 61000-6-2, EN 61000-6-6 • Certificate of suitability / CE marking Yes • Certificate of suitability / C-Tick No Marine classification association No • American Bureau of Shipping Europe Ltd. (ABS) No	• for emitted interference	EN 61000-6-4 (Class A)
Certificate of suitability / CE marking Certificate of suitability / C-Tick Marine classification association American Bureau of Shipping Europe Ltd. (ABS) No	• for interference immunity	EN 61000-6-4
Certificate of suitability / C-Tick No Marine classification association American Bureau of Shipping Europe Ltd. (ABS)	• (certificate of suitability)	EN 61000-6-2, EN 61000-6-6
Marine classification association American Bureau of Shipping Europe Ltd. (ABS) 	 Certificate of suitability / CE marking 	Yes
American Bureau of Shipping Europe Ltd. No (ABS)	Certificate of suitability / C-Tick	No
(ABS)	Marine classification association	
Bureau Veritas (BV) No		No
	• Bureau Veritas (BV)	No



 Det Norske Veritas (DNV) 	No
 Germanische Lloyd (GL) 	No
 Lloyds Register of Shipping (LRS) 	No
 Nippon Kaiji Kyokai (NK) 	No
 Polski Rejestr Statkow (PRS) 	No

http://www.siemens.com/snst

http://www.siemens.com/simatic-net

http://automation.siemens.com/bilddb

https://support.industry.siemens.com

http://www.siemens.com/industry/infocenter

https://mall.industry.siemens.com

http://www.siemens.com/cax

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

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 security concept. Thirdparty 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)

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