

Product-type designation

PROFIBUS OLM G12-1300



SIPLUS NET OLM/G12-1300 V4.0 FOR MEDIAL STRESS
BASED ON 6GK1503-3CC00

Transmission rate

Transfer rate

- | | |
|--------------------|--------------------------|
| • with PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |
| • 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 and terminal equipment | 1 |
| • for measuring instrument | 1 1 |
| • for signaling contact | 1 |
| • for power supply | 0 |
| • for redundant power supply | 1 |
| Design of electrical connection | |
| • for network components and 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 optical waveguide | 2 |
| Design of the optical interface / for optical waveguide | BFOC port |

Optical data

Damping ratio / of 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
Signal delay time in bit time	6.5 bit
Injectable optical power relating 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
Cable 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 3.5 dB/km maximum	
•	10 km
Signal-Inputs/outputs	
Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of / supply voltage	DC
Supply voltage / for DC	
• rated value	24 V
• minimum	18.8 V
• maximum	28.8 V
Product component / fusing at power supply input	Yes
Consumed current / At 24 V / with DC / maximum	0.2 A
Permitted ambient conditions	
Ambient temperature	
• during operating	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C

Ambient condition / relating to ambient temperature - air pressure - installation altitude	0 ... +60°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // 0 ... +50°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // 0 ... +40°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity	100 %
• with condensation / maximum • note	r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Resistance to biologically active substances / conformity in accordance with EN 60721-3-3	Yes
• note	Compliant with EN 60721-3-3, Class 3B2 mold and fungal spores (except fauna); the supplied plug covers must remain in place on the unused interfaces during operation.
Resistance to chemically active substances / conformity in accordance with EN 60721-3-3	Yes
• note	Compliant with EN 60721-3-3, Class 3C4 incl. salt spray in accordance with EN 60068-2-52 (severity 3); the supplied plug covers must remain in place on the unused interfaces during operation.
Resistance to mechanically active substances / conformity in accordance with EN 60721-3-3	Yes
• note	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	
Design	compact
Width	39.5 mm
Height	112 mm
Depth	74.5 mm
Net weight	340 g
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
Product properties, functions, components / general	
Product function / Ring redundancy	Yes
Standards, specifications, approvals	
Standard	
• for EMC / from FM	-
• for hazardous zone	No
• for safety / of CSA and UL	No
• for hazardous area / of CSA and UL	No
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-7
Verification of suitability	EN 61000-6-2, EN 61000-6-9

- CE mark
- C-Tick

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)

letzte Änderung:

Yes

No

No

No

No

No

No

No

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