SIEMENS

Data sheet

6GK1503-3CD00

product type designation



PROFIBUS OLM/G12-EEC V4.0

PROFIBUS OLM/G12-EEC V4.0 optical link module with 1 RS485 and 2 glass FOC Interfaces (4 BFOC sockets) for extended temperature range - 20...+60 °C

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 50/125 μm / at 3 dB/km / maximum 	10 dB
 for glass FOC with 62.5/125 μm / at 3.5 dB/km / maximum 	12 dB
propagation delay [bit]	6.5 bit
connectable optical power relative to 1 mW	
 for glass FOC with 50/125 μm / at 3 dB/km 	-16 dB
 for glass FOC with 62.5/125 μm / at 3.5 dB/km 	-13 dB
optical sensitivity relating to 1 mW	
 for glass FOC with 50/125 μm / at 3 dB/km 	-28 dB
 for glass FOC with 62.5/125 μm / at 3.5 dB/km 	-28 dB
wavelength	
 for glass FOC with 50/125 μm / compatible with interface / at 3 dB/km 	860 nm
 for glass FOC with 62.5/125 µm / compatible with interface / at 3.5 dB/km 	860 nm
wire length	
 for glass FOC with 50/125 μm / at 3 dB/km / maximum 	3 km
 for glass FOC with 62.5/125 μm / at 3.5 dB/km / 	3 km

signal inputs/outputs operating voltage / of the signaling contacts / at DC / rated 24 V value 0.1 A supply voltage, current consumption, power loss 0.1 A type of voltage / of the supply voltage DC supply voltage / at DC / rated value 24 V supply voltage / at DC / rated value 24 V supply voltage / at DC / rated value 24 V supply voltage / at DC / rated value 24 V supply voltage / at DC / rated value 24 V supply voltage / at DC / rated value 24 V supply voltage / at DC / rated value 24 V supply voltage / at DC / rated value 24 V supply voltage / at DC / at 24 V / maximum 0.2 A ambient conditions 0.2 A ambient conditions -40 +70 °C • during transport -40 +70 °C relative humidity 95 % • at 25 °C / without condensation / during operation / maximum 95 % protection class IP IP40 design, dimensions and weights compact deth 39.5 mm height 340 g fastening method 340 g	signal inputs/outputs operating voltage / of the signaling contacts / at DC / rated value operational current / of the signaling contacts / at DC / maximum supply voltage, current consumption, power loss type of voltage / of the supply voltage	24 V
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35 mm top hat DIN rail mounting Yes		
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product functions / redundancy	č	
product function / ring redundancy Yes		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 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, EN60079-28: 2007, II 3 (2) G Ex
• for safety / from CSA and UL UL 60950-1, CSA C22.2 Nr. 60950-1	e for cofety / from CSA and III	UL 60950-1, CSA C22.2 Nr. 60950-1
		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 /
for emitted interference EN 61000-6-4 (Class A)	-	Group IIC / T4
for interference immunity EN 61000-6-2	 for hazardous zone / from CSA and UL 	
certificate of suitability EN 61000-6-2, EN 61000-6-4	 for hazardous zone / from CSA and UL for emitted interference 	EN 61000-6-4 (Class A)
• CE marking Yes	 for hazardous zone / from CSA and UL for emitted interference for interference immunity 	EN 61000-6-4 (Class A) EN 61000-6-2
• C-Tick Yes	for hazardous zone / from CSA and UL for emitted interference for interference immunity certificate of suitability	EN 61000-6-4 (Class A) EN 61000-6-2 EN 61000-6-2, EN 61000-6-4
CCC / for hazardous zone according to GB standard Yes	 for hazardous zone / from CSA and UL for emitted interference for interference immunity certificate of suitability CE marking 	EN 61000-6-4 (Class A) EN 61000-6-2 EN 61000-6-2, EN 61000-6-4 Yes
Marine classification association	 for hazardous zone / from CSA and UL for emitted interference for interference immunity certificate of suitability CE marking C-Tick 	EN 61000-6-4 (Class A) EN 61000-6-2 EN 61000-6-2, EN 61000-6-4 Yes Yes
	 for hazardous zone / from CSA and UL for emitted interference for interference immunity certificate of suitability CE marking C-Tick CCC / for hazardous zone according to GB standard 	EN 61000-6-4 (Class A) EN 61000-6-2 EN 61000-6-2, EN 61000-6-4 Yes Yes
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	 for hazardous zone / from CSA and UL for emitted interference for interference immunity certificate of suitability CE marking C-Tick CCC / for hazardous zone according to GB standard Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) 	EN 61000-6-4 (Class A) EN 61000-6-2 EN 61000-6-2, EN 61000-6-4 Yes Yes Yes Yes
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 French marine classification society (BV) Pes Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Yes further information / internet-Links Internet-Link • to website: Industrial communication	 for hazardous zone / from CSA and UL for emitted interference for interference immunity certificate of suitability CE marking C-Tick CCC / for hazardous zone according to GB standard Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) further information / internet-Links Internet-Link to website: Industrial communication to website: Industry Mall 	EN 61000-6-4 (Class A) EN 61000-6-2 EN 61000-6-2, EN 61000-6-4 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes

• to website: CAx-Download-Manager

• to website: Industry Online Support

security information

security information

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last modified:

6/30/2021 🖸