SIEMENS

Product data sheet 6GK1500-3AA10

PROFIBUS OBT OPT. BUS TERMINAL FOR CONNECT. A PROFIBUS CLIENT WITHOUT INTEGRATED OPT. INTERFACE TO OPTICAL PROFIBUS DP, WITHOUT SIMPLEX CONNECTOR

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 power supply	1
Design of the electrical connection	
• for network components and terminal equipment	9-pin Sub-D socket
• for power supply	3-pole terminal block
Number of optical interfaces / for optical waveguide	2
Design of the optical interface / for optical waveguide	Duplex port
Optical data	
Damping ratio / of FOC transmission link	
• for PCF FOC with 200/230 µm / at 10 dB/km	3 dB
• for POF FOC with 980/1000 µm / at 230 dB/km	13 dB
Signal delay time in bit time	6.5 bit
Injectable optical power relating to 1 mW / of FOC transmission link	

• for PCF FOC with 200/230 µm / at 10 dB/km	-16 dB
• for POF FOC with 980/1000 µm / at 230 dB/km	-5.9 dB
Optical sensitivity relating to 1 mW / of FOC transmission link	
• for PCF FOC with 200/230 µm / at 10 dB/km	-22 dB
• for POF FOC with 980/1000 µm / at 230 dB/km	-20 dB
Wavelength / of FOC transmission link	
• for PCF FOC with 200/230 µm / at 10 dB/km	660 nm
• for POF FOC with 980/1000 µm / at 230 dB/km	660 nm
Cable length	
• for PCF FOC with 200/230 µm / at 10 dB/km / maximum	300 m
• for POF FOC with 980/1000 µm / at 230 dB/km / maximum	50 m
Supply voltage, current consumption, power loss	
Type of voltage / of supply voltage	DC
Supply voltage / for DC	
• rated value	24 V
• minimum	19.2 V
• maximum	28.8 V
Permitted ambient conditions	
Ambient temperature	
• during operating	0 … 60 °C
• during storage	-40 … +70 °C
• during transport	-40 … +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP30
Design, dimensions and weight	
Design	compact
Width	50.5 mm
Height	138 mm
Depth	78 mm
Net weight	400 g
Type of mounting	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
Standards, specifications, approvals	
Standard	
• for EMC / from FM	FM3611: Class 1, Divison 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 0145X

• for safety / of CSA and UL	UL 60950-1, CSA C22.2 Nr. 60950-1
• for hazardous area / of CSA and UL	-
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
Verification of suitability	EN 61000-6-2, EN 61000-6-4
• CE mark	Yes
• C-Tick	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	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
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