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Data sheet 6GK1500-3AA10

product type designation	**PROFIBUS OBT**
	PROFIBUS OBT; opt. bus terminal for connection of a PROFIBUS nodes without integr. opt. interface to the opt. PROFIBUS DP; without Simplex plug.



Technical Product Detail Page	https://i.siemens.com/1P6GK1500-3AA10
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 power supply	1
type of electrical connection	
● for network components or terminal equipment	9-pin Sub-D socket
● for power supply and signaling contact	-
number of optical interfaces / for fiber optic cable	2
design of the optical interface / for fiber optic cable	Duplex port
optical data	
attenuation factor / of the 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
propagation delay [bit]	6.5 bit
connectable optical power relative to 1 mW	
● of the FOC transmission link / for PCF FOC with 200/230 µm / at 10 dB/km	-16 dB
● of the FOC transmission link / for POF FOC with 980/1000 µm / at 230 dB/km	-5.9 dB
optical sensitivity relating to 1 mW	
● of the FOC transmission link / for PCF FOC with 200/230 µm / at 10 dB/km	-22 dB
● of the FOC transmission link / for POF FOC with 980/1000 µm / at 230 dB/km	-20 dB
wavelength / of the optical interface / note	660 nm, POF/PCF
wire 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 the supply voltage	DC
supply voltage / at DC / rated value	24 V
supply voltage / at DC	19.2 ... 28.8 V

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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	IP30
design, dimensions and weights	
design	compact
width	50.5 mm
height	138 mm
depth	78 mm
net weight	400 g
fastening method	
● 35 mm DIN-rail mounting	Yes
● wall mounting	Yes
product functions / redundancy	
product function / ring redundancy	No
standards, specifications, approvals	
standard	
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 Nr. 60950-1
● 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)	No
● French marine classification society (BV)	No
● Det Norske Veritas (DNV)	No
● Germanische Lloyd (GL)	No
● Lloyds Register of Shipping (LRS)	No
● Nippon Kaiji Kyokai (NK)	No
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	No
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://siemens.com/industrial-communication
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly

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Approvals / Certificates

General Product Approval





Declaration of Conformity




China RoHS

General Product Approval	For use in hazardous locations				Maritime application
			FM	CCC-Ex	

Maritime application







NK / Nippon Kaiji Kyokai


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