SIMATIC NET PROFIBUS OBT

Product Data Sheet

6GK1500-3AA10

PROFIBUS Optical Bus Terminal

BUS DATA RATE	ELECTRICAL BUS CONNECTIONS	OPTICAL CONNECTIONS	OPTICAL WAVELENGTH
9.6 kbit/s to 12 Mbit/s	**1; 9-pin Sub-D**	**2 duplex ports**	**660 nm**

Siemens 6GK1500-3AA10 is a PROFIBUS OBT optical bus terminal for connecting an electrical PROFIBUS interface to the documented optical link arrangement. It provides one 9-pin electrical bus connection and two duplex optical ports operating at 660 nm. The unit supports PROFIBUS rates from 9.6 kbit/s to 12 Mbit/s and is ordered without the simplex plugs.

01 TECHNICAL DATA

Bus data rate	9.6 kbit/s to 12 Mbit/s
Electrical bus connections	1; 9-pin Sub-D
Optical connections	2 duplex ports
Optical wavelength	660 nm
PCF fibre specification	200/230 micrometre
PCF maximum link length	300 m
PCF attenuation allowance	3 dB at 10 dB/km
POF fibre specification	980/1000 micrometre
POF maximum link length	50 m
POF attenuation allowance	13 dB at 230 dB/km

Siemens 6GK1500-3AA10 official technical data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

Propagation delay	6.5 bit times
Supply range	19.2 to 28.8 V DC
Degree of protection	IP30
Operating temperature	0 to 60 C
Redundant ring capability	No

03 PRODUCT FUNCTION

The optical specifications distinguish PCF 200/230 micrometre fibre, permitting links up to 300 m, from POF 980/1000 micrometre fibre, permitting links up to 50 m. Their attenuation allowances are different and must not be interchanged. The terminal operates from 19.2 to 28.8 V DC, has an IP30 enclosure and can be mounted on a 35 mm rail or wall under the manufacturer instructions. It does not provide redundant-ring capability.

04 SYSTEM COMPATIBILITY

Connect the electrical PROFIBUS interface through the 9-pin socket and coordinate the selected baud rate with the segment. Include the stated 6.5-bit propagation delay in the relevant network timing review. Do not configure the OBT as an optical-ring redundancy device.

05 REFERENCE

Siemens 6GK1500-3AA10 official technical data; applicable specification pages.

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**