W&T connects

Interfaces for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA,
glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI

W&T
www.WuT.de

Data sheet:

Interface - plastic fiber optic <> RS232 with DB9 socket Low Power

Article no.: 81029

EUR 118.00

*Net price for
commercial users

Low Power version for distances < 20 meters

Interface model 81029 transmits serial RS232 data iva plastic duplex fiber optics cable over a distance of up to 20 meters. The converter is powered from the serial port and needs no additional power supply.

Properties

Interfaces:

- **RS232 Interface**
  - 9-pin SUB-D socket

- **Fiber optics interface**
  - Direct connection of the fiber optic cable without a connector
  - Alternate names: POF (polymer optical fiber, plastic optical fiber)

Management and connectivity:

- **Version with reduced power consumption**

- **Transmission length 0 to 20 meters. Greater distances are possible using the 81009 model.**

- **The interface is very easy to install:**
  - Cut the fiber-optic cable with a sharp knife at right angles.
  - Insert into patented adapter of the W&T interface.
  - Plug the adapter into the PC.
  - That's it!

- **No re-configuration of transmission parameters required**

- **100% protection against interfering radiation**

- **Electrical isolation**

- **Lightning protection**

Power supply:

- **No additional power source required**

Standards & more

- **Conforms to standards both in office and industrial environments:**
  - High noise resistance per EN 61000-6-2
  - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3

- **5 year guarantee**

♥ Wish for something!
Your suggestions for improvement and additions

Worth knowing

The model 81029 Interface offers in addition to the other fiber optic compact interfaces a 9-pin special version whose transmission range is limited to 0 to 20m, but which only loads the connected RS232 interface with a current of about 2mA. With this version it is also possible to operate on less powerful RS232 interfaces without connecting an additional power

source.

Technical data

Connections and displays:

Serial port:	RS232 Interface
	9-pin SUB-D female, ready to connect to a PC
Fiber-optic cable adapter:	socket with automatic interlocking of the fiber-optic cable
Baud rate:	110..115,200 baud
Data format:	any format
Supported signals:	RxD, TxD
Maximum distance:	typ. 20 meters of fiber optic cable
Power supply:	through the RS232 signals
Fiber-optic medium:	Duplex plastic optical fiber cable
	Dimensions 2.2 x 4.4mm
	with a fiber diameter of 1mm
	Material: core: PMMA, cladding: PE
Wavelength:	approx. 660nm

Housing and other data:

Housing:	SUB-D adapter housing
Enclosure rating:	IP40
Weight:	approx. 30g
Ambient temperature:	Storage: -40..+70°C
	Operation: 0..+50°C
Scope of delivery:	Plastic optical fiber cable <> RS232 interface, 9-pin for PC

Accessories

*Net unit price for commercial users

FO-Accessories

Duplex plastic fiber optic cable, sold by the meter (Unfortunately, this article cannot be ordered as a sample.)	81100	3.50€	🛒
Duplex plastic fiber optic, cable reel 500m (Unfortunately, this article cannot be ordered as a sample.)	81500	778.00€	🛒
Cutting tool for plastic fiber optic cable (This article cannot be ordered as a sample. So that you can assess the cut quality we will be glad to provide you on request with an optical fiber cable which has been trimmed using the cutting tool.)	81600	438.00€	🛒
Replacement cutter for cutting tool 81600 (Unfortunately, this article cannot be ordered as a sample.)	81602	168.00€	🛒

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.

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and eliminate them.