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
w w w . W u T . d e

Data sheet:

POF repeater Industry

Article no.: 11201

EUR 148.00

*Net price for commercial users

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Sample order

Request a quote

Contact

Manual

Connections over long POF distances

The FO Repeater receives light signals, prepares them and sends them back out amplified on the output. By dividing the fiber optic line into several segments POF can also be used to bridge a distance of over 100 meters.

Properties

Interface:

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

Management and connectivity:

- **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**

Voltage supply:

- **External**
  - 12V-24V AC/DC via plug-in screw terminal

Standards & more

- **Conforms to standards both in office and industrial environments:**
  - High noise resistance for industrial environments
  - Low noise emission for residential and business areas

- **5 year guarantee**

Wish for something!
Your suggestions for improvement and additions

Worth knowing

The main advantages of plastic optical fiber cables over conventional glass fiber lines are the lower costs for material and the simple installation. Unfortunately, the attenuation of plastic optical fiber cables is considerably higher than that of glass fibers, so that the max. possible transfer distance is only approx. 100 m for physical reasons.

Problems in connection with higher attenuation can be avoided by dividing a long fiber-optic line into short segments with a maximum length of 100 m and by installing one or more repeaters. The repeater regenerates and amplifies the received signals and feeds the data at original intensity level through the fiber.

Technical data

Connections and displays:

Fiber-optic cable adapter:	socket with automatic interlocking of the fiber-optic cable
Baud rate:	0..115,200 baud
Data format:	any format
Supported signals:	RxD, TxD
Maximum distance:	2 segments with typ. 100 meters fiber optics cable
Supply voltage:	12..24V AC/DC
Current consumption:	typ. 60mA @12V DC, 30mA @24V DC
Supply connection:	plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"
Fiber-optic medium:	Duplex POF cable Dimensions 2.2 x 4.4mm with a fiber diameter of 1mm Material: core: PMMA, cladding: PE
Displays:	1 LED Power 1 LED Data

Housing and other data:

Housing:	Plastic housing for top hat rail installation 105 x 22 x 75mm (L x W x H)
Enclosure rating:	IP20
Weight:	approx. 100g
Ambient temperature:	Storage: -40..+70°C Operation: 0..+50°C
Permissible relative humidity:	5..95% RH (non-condensing)
Scope of delivery:	FO repeater, Industry Please order power supplies separately as accessories

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Accessories

*Net unit price for commercial users

Power supplies

Plug-in power supply, 24V / 500mA DC with Euro plug	11021	19.00€
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	34.00€
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	29.00€

FO-Accessories

Duplex plastic fiber optic cable, sold by the meter (Unfortunately, this article cannot be ordered as a sample.)	81100	2.98€
Duplex plastic fiber optic, cable reel 500m (Unfortunately, this article cannot be ordered as a sample.)	81500	698.00€
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	398.00€
Replacement cutter for cutting tool 81600 (Unfortunately, this article cannot be ordered as a sample.)	81602	148.00€

Mechanical Accessories

Mounting bracket for wall mounting	58812	9.98€
19" DIN rail	58813	19.00€

* 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.

We are available to you in person:

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