

Data sheet:

Interface - Plastic fiber optic <> RS422/RS485 Industry



Article no.: 61201

EUR 168.00

*Net price for commercial users

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Sample order

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Manual

Also transmit industrial interfaces with noise immunity

The model 61201 Interface transmits serial RS422 or RS485 data via plastic duplex fibers over a distance of up to 100 meters. The external supply voltage ensures stable conditions for reliable operation of the often low-impedance terminated differential interfaces.

Properties

Interfaces:

- **Selectable RS422 / RS485 interface**
 - 9-pin Sub-D plug
- **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:

- **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:

- **External**
 - 12V-24V AC/DC via plug-in screw terminal
 - Galvanically isolated power connection

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

Technical data

Connections and displays:

Serial port: RS422/RS485 interface, selectable
9-pin SUB-D adapter

Fiber-optic cable adapter: socket with automatic interlocking of the fiber-optic cable

Operating modes:	RS422 RS485 4-wire with automatic control RS485 2-wire with automatic control
Switching time:	approx. 10µs for switching from data send to receive for RS485 automatic control (can be changed on request)
Termination:	Connectable termination network for RS485 operation
Baud rate:	0..115,200 baud
Data format:	any format
Galvanic isolation:	Isolation voltage min. 1kV DC between supply and serial connection
Supported signals:	RxD, TxD
Maximum distance:	typ. 100 meters fiber optics cable
Supply voltage:	12..24V AC/DC
Current consumption:	typ. 90mA @12V DC, 45mA @24V DC
Supply connection:	plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"
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
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:	Interface - Plastic fiber optic <-> RS422/RS485 Industry Please order power supplies separately as accessories




Accessories

*Net unit price for commercial users





Power supplies

Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00€	
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00€	
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00€	

Cable and Connector Accessories

DB9F connection cable with open cable ends, right angled, 1.5m	11903	17.50€	
9-pol. SUB D socket with soldering terminals and shielded housing	11904	9.90€	
9-pol. SUB D socket with screwing terminal and shielded housing	11905	21.00€	

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€	

Mechanical Accessories

Wall mount housing, enclosure rating IP66 / IP67	11120	54.00€	
Mounting bracket for wall mounting	58812	11.20€	
19" DIN rail	58813	21.00€	

* 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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