

Data sheet:

## Interface USB <> 20mA Industry, Bus Powered



Article no.: 34211

**EUR 168.00**

\*Net price for commercial users

### Expand any PC system with a 20mA port

The USB Interface model 34211 adds a 20mA interface to your system, allowing you to connect active and passive 20mA devices through a USB port.

### Properties

#### Interfaces:

- **1 x USB socket, type B**
- **1 x 20mA, 9-pin SUB-D plug**
  - active or passive
- **Galvanic isolation between the ports**
  - Isolation voltage min. 1kV DC

#### Management and connectivity:

- **USB 2.0 Full Speed Device (12 Mbit/s)**
- **Industry-compatible design on account of**
  - noise immunity in accordance with EN 61000-6-2
  - Housing for top-hat-rail installation
- **Active/passive mode for transmission and reception loop, individually adjustable**
- **Optional full- and half-duplex mode with echo suppression**
- **Common solution for Windows, Linux and Mac:**
  - Supports all Windows versions 98 / Server 2003 (x86 and x64 versions) and higher.
  - Supports macOS from macOS 8 and higher
  - direct Linux support without additional driver from kernel version 2.4.0

#### Power supply:

- **No additional power supply required**
  - Voltage supply via the USB
  - Galvanically isolated power connection

#### 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

### Overvoltage protection for serial interfaces

The permissible voltages allowed to have an effect on serial ports in case of an error are limited to rather low values according to the data sheet specifications for the interface components. Voltages which exceed these values even for a short time will inevitably result in damage to or even destruction of the integrated circuits.

To prevent such effects the USB-Interface 34211 includes integrated overvoltage protection which uses suppressor diodes to limit the maximum occurring voltages to harmless values in a variety of applications.

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## Technical data

### Connections and displays:

USB port:	Type B female
20mA port:	9-pin SUB-D adapter
Operating modes:	active or passive mode Full- or half-duplex mode Selectable echo suppression in half-duplex mode
Baud rate:	300..19,200 baud
Data format:	Data bit: 7,8 Stop bit: 1,2 Parity: odd, even, no, mark, space
Signal lines:	RxD+/-, TxD+/-
Galvanic isolation:	Isolation voltage min. 1kV DC between USB and serial connection
USB-UART:	FTDI FT232R
Power supply:	5V DC over USB, optional supply from external 5V power supply
Current consumption:	max. 200mA
Displays:	1x LED Data 1x LED On Line

### 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
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Weight:	approx. 170g
Ambient temperature:	Storage: -40..+70°C Operating in non-rowed installation: 0..+60°C Operating in rowed installation 0..+50°C
Permissible relative humidity:	5..95% RH (non-condensing)
Scope of delivery:	Interface, USB <> 20 mA industry USB cable with ferrite bead Product CD with driver and manual in German and English

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## Accessories

\*Net unit price for  
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### Power supplies

Mini USB Power Supply 5V / 1A with Euro plug	11046	17.00€	
Power cable USB A - coax power plug (5.5/2.1mm)	11391	6.00€	

### 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€	
USB 2.0 cable, USB A - USB B, with ferrite, 1.8m	11332	9.50€	

### Further accessories

USB-Hub Industry

33601

178.00€



### 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.



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