

USB to Mbus level converter



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Products, data sheets, documentation, MR12-SCHEMA-calculator: www.schneid.at

USB-MBus Pegelwandler

inklusive USB-Verlängerung 20cm

Order number: 020.18401

Order code: USB-MBus Pegelwandler



Overview:

Ultra-compact M-Bus master in USB stick format for mobile applications and service calls or for permanent measurement of consumption data via M-Bus. The M-Bus data is transmitted transparently via USB.

Level converter USB 2.0 to M-Bus, max. 3 standard loads

Status-LEDs

Inside the transparent housing there are three LEDs that show the status of the device:

LED	colour	meaning
Power	red	The device is powered via USB.
Transmit	yellow	Data is sent from the master to the slaves
Receive	green	Data is sent from the slave to the master

Driver installation

The MBUS-PU3 works internally with a CP2104 USB module from Silicon Laboratories. It may therefore be necessary to install a driver on the target system.

The driver can be downloaded from the manufacturer: <http://www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-drivers>.

The driver installation is started by starting the installer file.



It is recommended to install the driver before plugging it into the host system for the first time.



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Scope of delivery:

level converter for the M-Bus; Mbus PU3; including USB extension 20cm

Technical specifications:

Intrastat number:	8537.10.91.99
country of origin	kein Präferenzursprung/no preferential origin
Height, width, depth (in mm)	79x19x15
Weight in kg)	0,015
Degree of protection	IP-20
ambient temperature	0°C....+50°C
power supply	5 VDC directly via USB 2.0, max. 100 mA (depending on bus load)
humidity	0..95 % relative
Status-LEDs	for sending, receiving and power supply
Short-circuit protection on M-Bus	
M bus according to EN 13757-2	
Spring clamp 300 to 9600bps	
USB chip SiLabs CP2104	
USB 2.0, connector type A	