

## Parameters

Electrical parameters	
Bus Voltage	21~30V DC
PC-side	USB device is powered from USB
Bus Interface	KNX/EIB
Bus Current	< 10mA
KNX Terminals	(Red/Grey)0.6 – 0.8mm Diameter Single Core cable
USB-Connector	USB- connector
Environmental Conditions	
Working temperature	-5°C ~ 45°C
Working relative Humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%
Approved	
CE, RoHS	
KNX	
Product information	
Installation	Standard 35mm Din rail
Dimensions	90mm×36mm×70mm
Net weight	70g
Housing Material	Plastic PA66
IP rating	IP 20

## Important Notes

- **Cable Connections** – Do not get wrong connection for Black and Red wires
- **Voltage** - The input of voltage must be between 21-30VDC.

## Installation Steps

- Make sure the Bus cable type is correct and has no circuit short.
- Connect bus cables. Make sure the color of wire same as definition.

## Overview

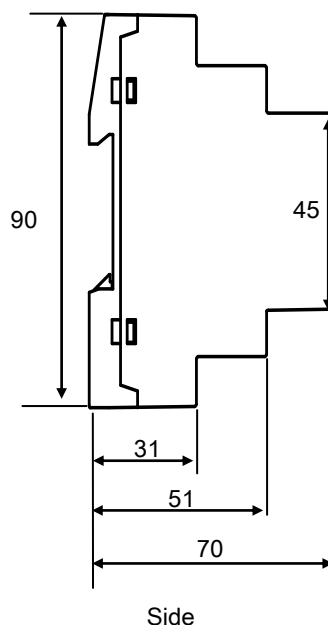
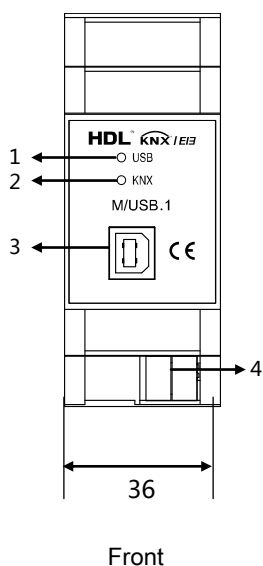


The M/USB.1 is a new KNX BUS interface with the USB connector galvanically isolated from the KNX BUS that establishes a bidirectional data connection between PC and KNX BUS. The device enables addressing, setting parameters, visualization, protocoling and diagnosis of bus devices. The USB socket and bus connection is on the front of the device together with yellow LEDs. Each one is an indicator to show the status and traffic concerning the bus and the PC.

## Functions

- The M/USB.1 is a KNX-USB interface for galvanic isolated bidirectional access to the bus line via integrated USB connector for: Commissioning, Addressing, Setting parameters, Visualisation, Protocol, Diagnostic operations on bus devices.
- With this KNX-USB interface you have the possibility to address every bus device in the bus system. The communication protocol used for communication between the PC - USB interface and KNX BUS TP1.
- The connection between KNX and PC running standard software like ETS, EITT and other software is handled by the FALCON driver.

## Layout and Wirings



### NOTTE:

1. LED for USB connection (yellow: USB connection OK, off: no connection)
2. LED for KNX connection (yellow: KNX connection OK, off: no connection, or no USB connection)
3. USB connector
4. KNX-Bus connector

## Safety Precautions

- When connecting the M/USB.1 ensure that it can be isolated.
- The M/USB.1 housing must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- Do not make wrong connection on KNX/EIB interface, it will damage the Bus interface of this interface module.
- Do not get AC220V voltage into KNX/EIB wire, it will damage all of devices in system.
- Avoid the rain or water into module, it will damage this device.