M/USB.1
KNX USB Interface

Datasheet
Issued: June 26, 2019
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Figure 1. KNX USB Interface

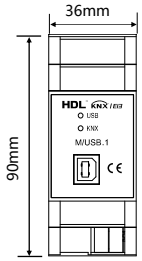

Figure 2. Dimensions - Front View

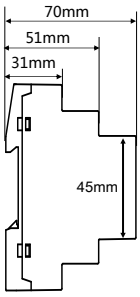

Figure 3. Dimensions - Side View

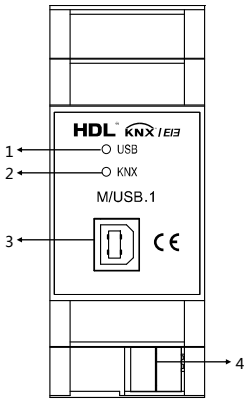

Figure 4. Components - Front View

Overview

KNX USB Interface (See Figure 1) is a KNX system device with a USB interface that establishes bidirectional data transfer between the computer and the KNX Bus. The KNX USB Interface supports operations, for example, KNX address management, application parameter management, and KNX Bus device diagnostics. The device is used in conjunction with ETS and standard KNX software.

Functions

- Supports KNX address management, application parameter management, and KNX Bus device diagnostics
- Connects PC and KNX devices to enable KNX device programming through PC. USB drive is required for and the first time.
- Supports telegrams with maximum 228 bytes length.

Important Notes

- Installation position - Distribution board
- Be sure to disconnect the power when connecting to the USB interface.
- It is not allowed to open the USB interface case shell.
- The KNX Bus voltage is 21 - 30VDC.

Product Information

Dimensions - See Figure 2 - 3

Components - See Figure 4

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

Safety Precautions

- The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this document.
- Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.
- Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.

Package Contents

M/USB.1*1 / Datasheet*1

Technical Data

Basic Parameters	
Working voltage	21~30V DC
Working current	10mA/30V DC
Communication	KNX
Interface	USB
Cable diameter of KNX terminal	0.6 - 0.8mm
External Environment	
Working temperature	-5℃~45℃
Working relative humidity	≤90%
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%
Specifications	
Dimensions	90mm×36mm×70mm
Net weight	70g
Housing material	PA66
Installation	35mm DIN rail installation
Protection rating (Compliant with EN 60529)	IP20

Name and Content of Hazardous Substances in Products

Components	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	o	o	o	o	o	o
Hardware	o	o	o	o	-	-
Screw	o	o	o	×	-	-
Solder	×	o	o	o	-	-
PCB	×	o	o	o	o	o
IC	o	o	o	o	×	×

The symbol “-” indicates that the hazardous substance is not contained.
The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.
The symbol “×” indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

KNX Cable Guide

KNX	KNX Cable
-	Black
+	Red

Technical support
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