Product documentation

Bus coupling unit 3
Art. No. 2073U

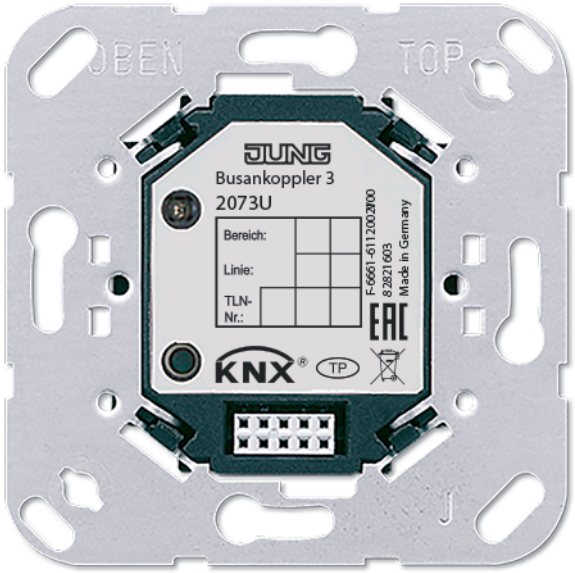

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Table of Contents

1 Product definition

1.1 Product catalogue

Product name:	Bus coupling unit 3
Use:	System device
Design:	FM (flush-mounted)
Art. No.	2073U

1.2 Function

The bus coupling unit 3 creates the connection between a KNX system and a KNX application module. The application module can be, for example, a automatic switch that is plugged onto the bus coupling unit. The telegrams received from the bus line are evaluated and an electrical signal is forwarded to the application module via the 10pole connection strip. In the opposite direction the signals of the application module are converted into KNX telegrams and transmitted.

Only the combination of the bus coupling unit 3 and an application module results in a functional unit. This project is configured in the ETS project in the form of the application program of the application module. Without an application module the bus coupling unit 3 will not function.
The device configuration is not programmed into the bus coupling unit 3. Therefore it is possible to operate application modules that have already been put into operation on any desired third-generation bus coupling units. This can simplify commissioning significantly, because programming of the devices no longer has to be performed on the same bus coupling unit that the application unit will later be plugged onto in the building.
Not all application modules can be plugged onto the bus coupling unit 3. Whether operation with the bus coupling unit 3 is possible can be noted from the documentation of the application module in question.

2 Mounting, electrical connection and operation

2.1 Safety instructions

Electrical devices may only be mounted and connected by electrically skilled persons.

Failure to observe the instructions may cause damage to the device and result in fire and other hazards.

Make sure during the installation that there is always sufficient insulation between the mains voltage and the bus. A minimum distance of at least 4 mm must be maintained between bus conductors and mains voltage cores.

During renovation work, protect the device against soiling through paint, wallpaper paste, dust, etc. Device can be damaged.

The device may not be opened or operated outside the technical specifications.

2.2 Device components

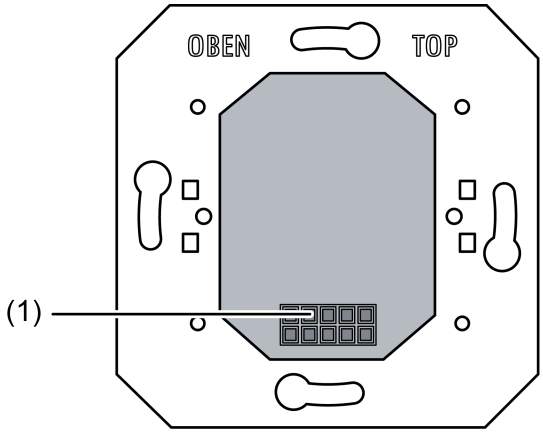

Figure 1: Device components, front side

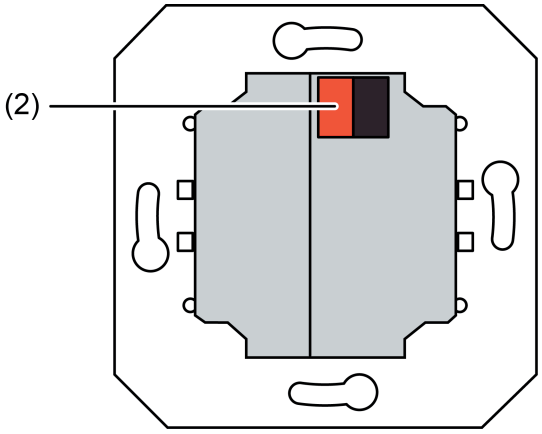

Figure 2: Device components, rear side

(1) Interface to KNX application module
(2) KNX bus connection

2.3 Fitting and electrical connection

Mounting and connecting the device

Observe the installation orientation. Note marking **TOP**.

- Connect the device to the KNX bus line with the bus connection terminal (2). Note polarity (red = +, black = -)!
- Install the device in a flush-mounted appliance box.
- Attach a suitable KNX application module.

i The device will not function without an application module.

2.4 Commissioning

Only the combination of the bus coupling unit 3 and an application module results in a functional unit. This project is configured in the ETS project in the form of the application program of the application module. Without an application module the bus coupling unit 3 will not function.
Any special commissioning steps that are required are described in greater detail in the product documentation for the application module. We therefore ask at this point that you refer to the documentation for the application module.

The device configuration is not programmed into the bus coupling unit 3. Therefore it is possible to operate application modules that have already been put into operation on any desired third-generation bus coupling units. This can simplify commissioning significantly, because programming of the devices no longer has to be performed on the same bus coupling unit that the application unit will later be plugged onto in the building.
Not all application modules can be plugged onto the bus coupling unit 3. Whether operation with the bus coupling unit 3 is possible can be noted from the documentation of the application module in question.

i The bus coupling unit 3 does not have a programming button. In order to program the physical address and the application program, the application module has to be plugged on.

3 Technical data

General	
Protection class	III
Test mark	KNX/EIB
Ambient temperature	-25 ... +55 °C
Storage/transport temperature	-25 ... +70 °C
KNX/EIB supply	
KNX medium	TP 256
Rated voltage KNX	DC 21 ... 32 V SELV

4 Software description

The bus coupling unit 3 does not have its own ETS application program. The device configuration is not programmed into the bus coupling unit 3, but rather into the application module that is plugged on. Only the combination of the bus coupling unit 3 and an application module results in a functional unit. This project is configured in the ETS project in the form of the application program of the application module. Without an application module the bus coupling unit 3 will not function.
We ask at this point that you refer to the documentation for the application module.

5 Appendix

5.1 Index

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