

## Operating Instructions 2-channel switching actuator



### 1.1. System information

This device is a product of the KNX/EIB system and complies with KNX directives. Detailed technical knowledge obtained in KNX/EIB training courses is a prerequisite to proper understanding. The functionality of this device depends upon the software. Detailed information on loadable software and attainable functionality as well as the software itself can be obtained from the manufacturer's product database. Planning, installation and commissioning of the unit is effected by means of KNX-certified software. An updated version of the product database and the technical descriptions are available in the Internet at [www.jung.de](http://www.jung.de)

### 1.2. Safety warnings

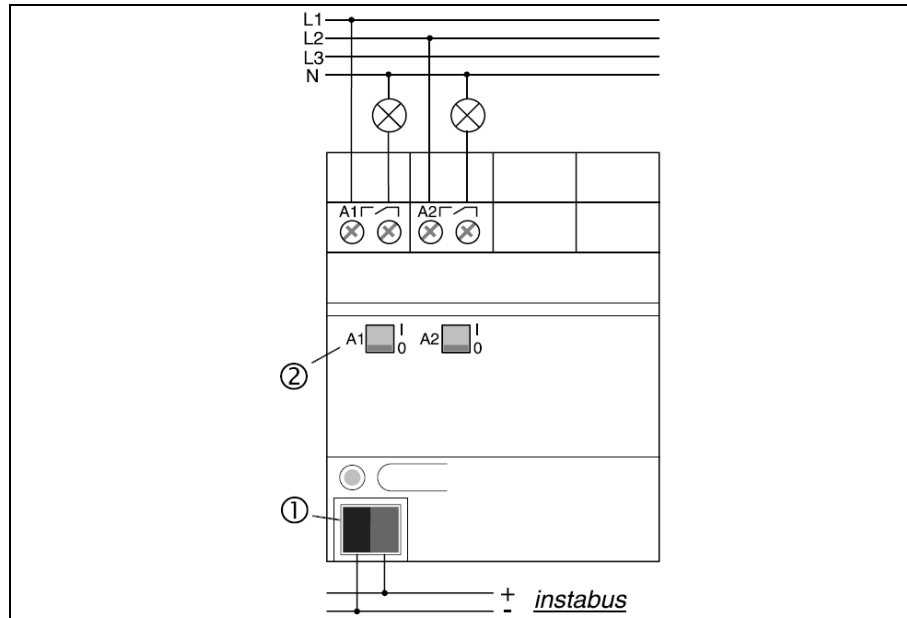


**Attention: Electrical equipment must be installed and fitted only by qualified electricians and in observance of the applicable accident prevention regulations. To prevent electric shocks, disconnect the power supply before working on the device (by cutting out the circuit breaker). Any non-observance of the fitting instructions may cause fire or other hazards. On delivery, the switching status of the outputs is undefined.**

### 1.3. Function

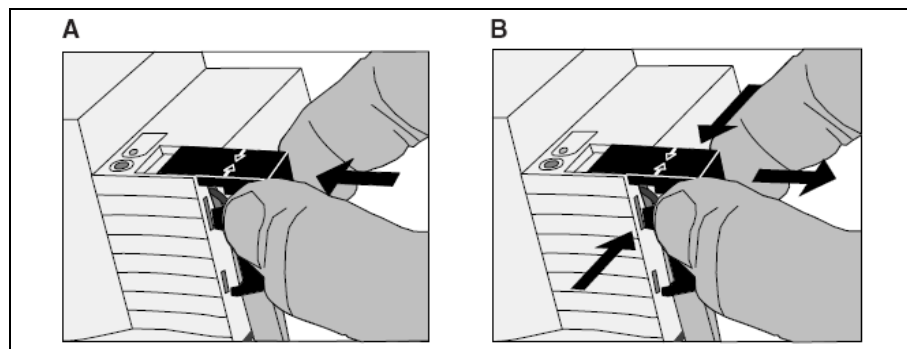
The 2-channel switching actuator uses potential-free contacts to switch independent electrical consumers via the KNX/EIB. It does not require any additional power supply. Terminal (1) can be used for bus connection. Switching commands are given by the actuation of touch sensors or binary inputs of the KNX/EIB system. The switching states of the relays are indicated by the status indicators (2). They are used at the same time for manual operation of the relays independent on the KNX/EIB. Establish connection as shown in the schematic diagram. You can connect various external conductors to the devices.

## 1.4. Connection



### Cap

Slide the cap with the bus wires at the bottom over the bus terminal (fig. A) until it is heard to engage.



To remove the cap, push sideways and withdraw (fig. B). The cap can be supplied as an extra part (Ref. no. 2050 K).

Technical specifications subject to change.

## 2. Technical Data

instabus EIB supply voltage	:21 - 32 V DC
instabus EIB power rating	:max. 150 mW
Connection	
instabus EIB	:instabus connection terminal
Load	:screw terminals 0.5 – 4 mm <sup>2</sup> single and

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	stranded wire without ferrule or 0.5 – 2.5 mm <sup>2</sup> stranded with ferrule
Ambient temperature	: -5 °C ... +45 °C
Max. housing temperature	: T <sub>e</sub> = 75 °C
Storage temperature	: -25 °C ... +70 °C
Installation width	: 72 mm (4 modules)
Protective system	: IP 20
Type of contacts	potential-free make (μ- contacts)
Switching voltage	: 230 VAC, 400 VAC
Switching capability at 230 VAC	: 16 A / AC1; 10 A / AC3
Switching capability at 400 VAC	: 10 A / AC1; 6 A / AC3
Switching capacity	
Incandescent lamps	: 2500 W
Fluorescent lamps	
uncompensated	: 2500 W
shunt-compensated	: 1300 W / 140 μF
Dual lamp circuit	: 2 x 2500 W
HV halogen lamps	: 2500 W
LV halogen lamps	: 500 VA

## 2.1. Accessoires

Cap	Ref.-Nr.: 2050 K
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### 3. Guarantee

Our products are under guarantee within the scope of the statutory provisions.

**Please return the unit postage paid to our central service department giving a brief description of the fault:**

ALBRECHT JUNG GMBH & CO. KG

Service-Center

Kupferstr. 17-19

D-44532 Lünen

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