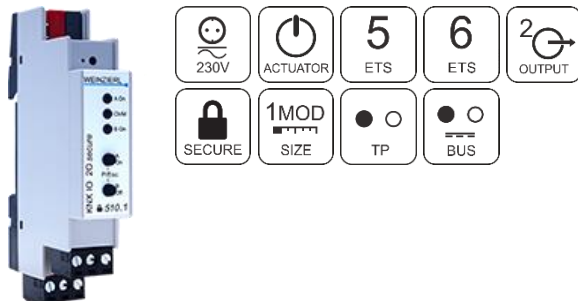


## Data sheet

**KNX IO 510.1 *secure* (2O)**

Switching actuator with 2 outputs



(Art. # 5444)

**Application area**

The KNX IO 510.1 *secure* (2O) is a compact switching actuator with 2 bi-stable relay outputs. The actuator provides the function for universal outputs including scene control, timer, staircase lightning and to control heating valves (PWM for thermoelectric valve drives).

Two push buttons and three LEDs allow a local operation and a visualization of the device state.

In addition to the output channels the device includes 16 independent functions for logic or timer control.

The device supports KNX Data Security.

**Technical Specification**

## Electrical safety

- Protection (acc. EN 60529): IP20

## CE marking according to

- Low voltage directive 2014 / 35 / EU
- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 63044-3: 2018
- EN 50491-5-1: 2010
- EN 50491-5-2: 2010
- EN 50491-5-3: 2010
- EN 61000-6-2: 2019
- EN 61000-6-3: 2007 + A1: 2011
- EN 63000: 2018

## Environmental requirements

- Ambient temp. operating: - 5 ... + 45 °C
- Ambient temp. non-op.: - 25 ... + 70 °C
- Rel. humidity (non-condensing): 5 ... 93 %

## Mechanical data

- Housing: plastic (PC)
- DIN rail mounted device, width: 1 units (18 mm)
- Weight: approx. 65 g

## Controls and indicators

- 2 buttons and 3 LEDs (multicolor)
- KNX programming button with LED (red)

## Power supply

- KNX Bus approx. 4 mA

## Connectors

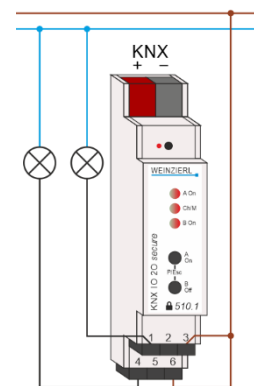
- Connector for KNX Bus (red / black)
- Pluggable screw connector (3 poles) for actuator channel 1
- Pluggable screw connector (3 poles) for actuator channel 2
- Cross-section of connectors: 1.5 ... 2.5 mm<sup>2</sup>

## Outputs (actuators)

- Relay type: 230 V~ / 10 A, bi-stable
- Depending on load type (capacitive or inductive) the switching power can be reduced significantly.

**Installation Instructions**

- The device may be used for permanent interior installations in dry locations or within distribution boards with DIN rail.

**WARNING**

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device 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.
- The device is a permanently connected equipment: A readily accessible disconnect device shall be incorporated external to the equipment.
- The installation requires a 16 A fuse for external overcurrent protection.
- The power rating is indicated on the side of the product.



## ETS6 Database

[www.weinzierl.de/en/products/510.1/ets6](http://www.weinzierl.de/en/products/510.1/ets6)

## Manual

[www.weinzierl.de/en/products/510.1/manual](http://www.weinzierl.de/en/products/510.1/manual)

## CE Declaration

[www.weinzierl.de/en/products/510.1/ce-declaration](http://www.weinzierl.de/en/products/510.1/ce-declaration)

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