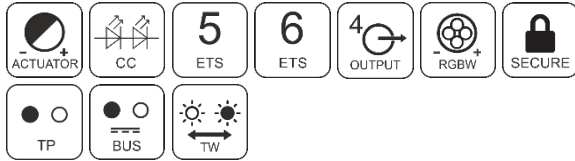


Data sheet

KNX TP Blue IO 551 CC *secure*

KNX LED dimming actuator 4-fold with constant current



(Art. # 5378)

Application area

The KNX TP Blue IO 551 CC *secure* is a compact RGB / RGBW / Tunable White dimming actuator with 4 constant current dimming outputs.

The dimming actuator can be used e.g. for LED panels or stripes with RGB / RGBW / Tunable White configuration or as 4 independent dimmer channels. Every configuration allows controlling the channel by switching, rel. dimming and dimming value.

Several comfort functions are integrated as well, including scenes, slumber fading, staircase light and sequencer.

Two push buttons and five 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
- Short circuit proof (electronic and non-reversible)
- Temperature fuse (electronic and non-reversible)

CE marking according to

- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 63044-3: 2018, EN 63044-5-1: 2019
EN 63044-5-2: 2019, EN 63044-5-3: 2019
- EN 61000-6-2: 2019
EN 61000-6-3: 2007 + A1: 2011
- EN 63000: 2018
- EN 55015: 2019 + A11: 2020
- EN 61547: 2009

Environmental requirements

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

Mechanical data

- Housing: Transparent plastic
- Dimensions: 132 x 46 x 20 mm
- Weight: approx. 75 g

Controls and indicators

- 2 buttons and 5 LEDs (multicolor)
- KNX programming button with LED (red)

Power supply

- KNX bus approx. 5 mA

Connectors

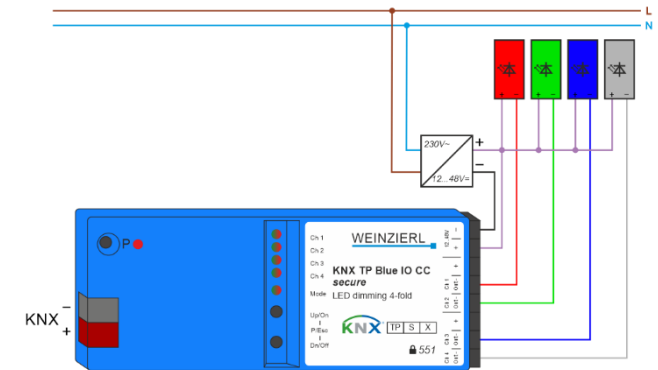
- Connector for KNX Bus (red / black)
- Pluggable screw connector (2 poles) for power supply
- Pluggable screw connectors (3 poles) for dimming channels 1/2 and 3/4
- Cross-section of connectors: 1.5 ... 2.5 mm²

Output (dimming actuator)

- Dimmer for LEDs with constant current input
- Supply voltage: 12 ... 48 V_{DC}
- Max. output voltage < Supply voltage
- Max. configurable load current: 500 mA each channel (channels can be bundled)
- Max. P_{out}: 96 W

Installation Instructions

- The device may be used for permanent interior installations in dry locations or within furniture or suspended ceilings.

**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 power rating is indicated on the back side of the product.

Product database for ETS 5/6

www.weinzierl.de/en/products/551/ets6

Manual

www.weinzierl.de/en/products/551/manual

CE Declaration

www.weinzierl.de/en/products/551/ce-declaration



WEINZIERL ENGINEERING GmbH

Achatz 3-4
84508 Burgkirchen an der Alz
GERMANY

Tel.: +49 8677 / 916 36 – 0
E-Mail: info@weinzierl.de
Web: www.weinzierl.de