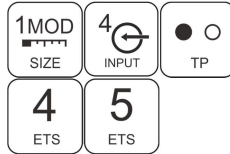


Data sheet

KNX IO 411 (4li)

(Art. # 5231)

Binary input with 4 channels to control lights, shutter etc.
Inputs suitable for dry contacts

**Application area**

The KNX IO 411 (4li) is a compact binary input with 4 channels to control lights, shutter etc. with conventional switches or contacts. Inputs are designed for dry contacts. Using as impulse counter is possible as well. It can be used to connect energy meters with S0 output or anemometers.

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

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

Technical Specification**Electrical safety**

- Protection (acc. EN 60529): IP 20

CE marking according to

- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 50491-3: 2009
- EN 50491-5-1: 2010
- EN 50491-5-2: 2010
- EN 50491-5-3: 2010
- EN 61000-6-2: 2005
- EN 61000-6-3: 2007 + A1: 2011
- EN 50581: 2012

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. 55 g

Controls and indicators

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

Power Supply

- KNX Bus approx. 5 mA

Connectors

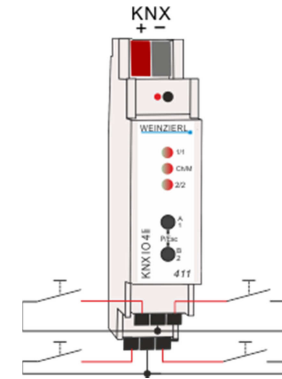
- Connector for KNX Bus (red / black)
- Pluggable screw connector (3 poles) for binary input channel 1 and 2
- Pluggable screw connector (3 poles) for binary input channel 3 and 4

Input channels (binary in)

- Contact voltage: SELV
- Max. wire length 20 m
- Galvanically isolated
- Signal shall not exceed 100 ticks per second

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 power rating is indicated on the side of the product.

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