

## Gira One and KNX: Button interfaces Standard Button interface, 4-gang Standard for Gira One and KNX



| Specification                                                                      | Order No. | Packing unit | PS | EAN           |
|------------------------------------------------------------------------------------|-----------|--------------|----|---------------|
|  | 5184 00   | 1/5          | 06 | 4010337110156 |

### Features

#### Function in the Gira One system

- Inputs: Connection of zero-voltage contacts such as buttons, switches and reed contacts or smoke alarm devices.
- The inputs are used to control Gira One actuators or to record status information.
- Pulse current to prevent contacts becoming dirty (forming an oxide layer) on the connected contacts.
- Common reference potential for all channels.
- Depending on the variant, two, four or eight independent inputs.
- Commissioning the button interfaces with the Gira Project Assistant (GPA) version 5.2.
- Encrypted data transfer between the Gira One devices.

#### Binary inputs

- Single and double-surface operation can be configured for rocker buttons.
- Connection of rocker buttons parameterised with switching, dimming, shading and ventilation, scene call-up, staircase (motion detector), floor call with Gira G1, garage door and door opener functions.
- Connection of zero-voltage contacts.
- Convenient group control of switching, dimming, shading and ventilation devices.
- Switching contact evaluation of wind, frost, brightness or rain sensors possible with zero-voltage relay contacts, in order to protect shading and ventilation devices from environmental influences.
- Window contact query and visualisation in the Smart Home App: An opened window will result in the activation of the frost protection heating mode after a 5 minutes has elapsed.
- Door contact query and visualisation in the Smart Home App: An open door results in the raising and locking of the blind or shutter.
- Query regarding a heating/cooling switchover on a heat pump, to allow the current operating mode (heating or cooling) to be forwarded to the heating controller.
- Switching contact display to show contact status in the Smart Home app.

#### Function in the Gira KNX system

- According to the variant, two, four or eight independent channels that operate as inputs or as outputs depending on the ETS parameterisation.

- Common reference potential for all channels.
- Outputs: Connection of LED. Short-circuit-proof, protected against overload and polarity reversal. Parallel switching of outputs possible, for consumers with higher current requirements.
- Inputs: Pulse current to prevent contact contamination due to formation of an oxide layer on the connected contacts.
- Channels can be activated and deactivated individually.

Possible parameterisation depending on the selected channel function

- Contact type can be set.
- Switching: Command when pressed and/or released can be set (No reaction; Switch on; Switch off; Switch over).
- Forced setting: Command when pressed and/or released can be set (No reaction; Forced active, Switch on; Forced active, Switch off; Forced inactive).
- Dimming and colour temperature: The command when pressed, time between switching and dimming, dimming in different steps, telegram repetition if pressed for a long time and sending of a stop telegram at the end of pressing can be set.
- Blind/shutter/awning/roof window: Command when pressed and command sequence can be set.
- Value transmitter: Data point type, value range and value can be set. As an option, the value adjustment can be activated by pressing and holding the button.
- Scene auxiliary unit: Scene number can be retrieved or switched by briefly pressing the button. If the button is pressed and held, the memory function is executed as an option.
- Short and long button press: Up to two telegrams can be sent to the KNX by pressing a button. The transmission behaviour can be set and the time for short and long actuation can be adjusted. The mode of operation of the channels can be set separately.
- Room temperature controller operating point: The mode of operation (operating mode switch-over, forced operating mode switch-over, presence function and setpoint temperature shift) can be set.
- Behaviour after bus voltage recovery can be set.
- Disable function can be set.
- Cyclic transmission can be set.

---

## Technical data

|                             |                                     |
|-----------------------------|-------------------------------------|
| Number of inputs:           | 4                                   |
| Dimensions (LxWxH):         | 43.0 x 28.5 x 15.4 mm               |
| KNX current consumption:    | 4 to 9 mA                           |
| KNX:                        | Connection and junction terminal    |
| Input cable:                | 5-wire cable set                    |
| KNX medium:                 | TP256                               |
| Output voltage:             | DC 3.3 V SELV                       |
| Output current per channel: | 3,3 mA                              |
| Length cable set:           | 25 cm, can be extended to max. 10 m |
| Protection class:           | IP20                                |
| Protection class:           | III                                 |
| Ambient temperature:        | -5 °C to +45 °C                     |

---

## Notes

- KNX Data Secure compatible.
  - Can be updated via the Gira Project Assistant (GPA).
-

## Scope of supply

- Connection and junction terminal for KNX
  - 5-wire cable set
-