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



Specification	Order No.	Packing unit	GBP/piece without VAT	PS	EAN
	5184 00	1/5	56.81	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.

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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 target temperature adjustment) 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
Current consumption:	4 to 9 mA
Connection:	Connection and junction terminal
Input cable:	5-wire cable set
KNX medium:	TP256
Gira One Medium:	Twisted-Pair (TP), YCYM 2 x 2 x 0,8
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
Ambient temperature:	-5 °C to +45 °C

Notes

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

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Scope of supply

- Connection and junction terminal
- 5-wire cable set
