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

Specification	Order No.	Packing unit	£/piece without VAT	PS	EAN
	5184 00	1/5	55.80	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.

Illustrations are similar and may deviate from originals.
Prices valid for United Kingdom with prices valid 08/24.

- 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
