© Copyright by
Gira Giersiepen GmbH & Co. KG
All rights reserved

www.gira.com

**Button interface, 8-gang Komfort for KNX**



| Specification | Order No. | Packing unit | PS | EAN |
|---|---|---|---|---|
|  | 5198 00 | 1/5 | | 4010337110163 |

**Features**

- 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.
- Adjacent activated channels can be combined.

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.
- Channel function “Door/window status”: When door or window contacts are used, the different window or door statuses can be evaluated (open, closed, tilted, locked, unlocked).
- Evaluation of a leakage/condensation sensor.
- Temperature measurement by connected sensor possible.
- Temperature measurement can be supplemented by external value via bus. Measured values can be weighted and calibrated.

Illustrations are similar and may deviate from originals.

© Copyright by
Gira Giersiepen GmbH & Co. KG
All rights reserved

www.gira.com

Pulse meter

- Metering interval can be set.
- Number of pulses required at the input per reported meter pulse can be parameterised on the KNX.
- The number of meter pulses required for a meter status change can be parameterised.
- Each channel contains a main meter and an intermediate meter.
- Main and intermediate meters can be set separately as up or down meters.
- Start and end values of the meters can be specified via parameters or communication objects.
- Meter status can be queried via the KNX or transmitted automatically.
- Response after the meter has timed out can be parameterised.
- The pulse meter can be reset via the KNX (meter reset).

Logic functions

- The device has 8 internal logic functions.
- Invert input.
- Logic gate with up to 4 inputs: AND, OR, exclusive OR, inverted AND, inverted OR, inverted exclusive OR, AND with return.
- 1-bit to 1-byte converter with input filter, blocking object and specification of output values.
- Blocking element with filter and time functions and blocking object.
- Comparator for values with 9 different input data formats and many comparison operations.
- Limit value switch with hysteresis with upper and lower threshold values for 9 different input data formats. Including specification of the 1-bit output values.
- The logic functions have their own KNX communication objects and can process telegrams from the button interface or other bus devices.

---

**Technical data**

| | |
|---|---|
| KNX medium: | TP256 |
| Output voltage: | max. 3.2 mA |
| LED current: | 2.2 mA per output |
| Length cable set: | 25 cm, can be extended to max. 30 m |
| Protection class: | IP20 |
| Ambient temperature: | -5 °C to +45 °C |
| Number of inputs: | 8 |
| Dimensions (LxWxH): | 43.5 x 35.5 x 15.4 mm |
| Current consumption: | 5 to 18 mA |
| Connection: | Connection and junction terminal |
| Input cable: | 2x 5-wire cable set |

---

**Notes**

- KNX Data Secure compatible.
- Firmware can be updated using the Gira ETS Service App (additional software).

---

Illustrations are similar and may deviate from originals.

© Copyright by
Gira Giersiepen GmbH & Co. KG
All rights reserved



**Scope of supply**

- Connection and junction terminal
- 2x 5-wire cable set

---

Illustrations are similar and may deviate from originals.