

Product data sheet

Switch actuator, 1-gang



Reference number

23001 1S U

KNX switch actuator, 1-gang

ETS product family: Output

Product type: Binary output

Intended use

- Switching of electrical loads via relay contact
- Reading in switching states of installation switches or push-buttons and other floating contacts at inputs 1...3
- Signal evaluation of condensation (ref.-no.: BTS 01) and leakage sensors (ref.-no.: LES 01) at inputs 1...3
- Acquisition of temperature values via NTC temperature sensor at input 3 (ref.-no.: FF 7.8)
- Installation in flush box according to EN 60670-1

Product characteristics

- Output can be operated via KNX telegrams or extension inputs
- Three extension inputs for connecting floating contacts or dew/leakage sensors. NTC temperature sensor can be connected to input 3.
- Supply via bus, no additional power supply necessary
- KNX Data Secure compatible with ETS 5.7.3 or higher
- Can be updated with the ETS Service App

Characteristics switching operation

- Operation as NO or NC contacts
- Feedback function
- Logic and forced operation function
- Central switching function
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with pre-warning function
- Scene function
- Operating hours counter

Characteristics satellite input

- Operating functions switching, dimming (including colour temperature), controlling blinds, value transmitter (1 byte, 2 byte, 3 byte and 6 byte incl. RGBW und colour temperature presets), scene extension etc.
- Disabling function
- Debounce time adjustable

Logic function characteristics

- Logic gates
- Transformer (conversion)
- Disabling element
- Comparator
- Limit value switch

Technical data

| | |
|---|-------------------------------------|
| Ambient temperature: | -5 ... +45 °C |
| Storage/transport temperature: | -25 ... +70 °C |
| Dimensions (W x H x D): | 48 x 50 x 28 mm |
| KNX medium: | TP 256 |
| Commissioning mode: | S-mode |
| Rated voltage KNX: | DC 21 ... 32 V SELV |
| Current consumption KNX: | 5 ... 18 mA |
| Connection, KNX: | terminal connected to control cable |
| Outputs | |
| Connection mode: | screw terminals |
| Switching voltage: | AC 250 V ~ |
| Switching current: | 16 A |
| Fluorescent lamps: | 16 AX |
| Switch-on current 200 µs: | max. 800 A |
| Switch-on current 20 ms: | max. 165 A |
| Connected load | |
| Ohmic load: | 2500 W |
| Capacitive load: | max. 16 A (140 µF) |
| Motors: | 1380 VA |
| Incandescent lamps: | 2300 W |
| HV halogen lamps: | 2300 W |
| HV LED lamps: | max. 400 W |
| LV halogen lamps with electronic transformers: | 1500 W |
| inductive transformers: | 1200 VA |
| Compact fluorescent lamps non-compensated: | 1000 W |
| parallel compensated: | 1160 W / 140 µF |
| Reduction of connected load | |
| for every 5 °C exceeded 35 °C: | -10 % |
| for installation into wooden or hollow walls: | -15 % |
| for installation into multiple combinations: | -20 % |
| Connection | |
| Connection mode: | screw terminals |
| single wire: | 1 x 0.5 ... 4 mm ² |
| stranded without ferrule: | 1 x 0.5 ... 4 mm ² |
| stranded with ferrule: | 1 x 0.5 ... 2.5 mm ² |
| Inputs | |
| Control cable: | YY6x0.6 (preterminated) |
| Input type: | floating contact |
| Number: | 3 |
| Total length of extension unit cable: | max. 10 m |
| Cable type: | J-Y(St)Y |
| Voltage satellite inputs: | approx. 5 V |

