

Product data sheet

Switch actuator, 2-gang / blinds actuator, 1-gang



Reference number

23002 1S U

KNX switch actuator, 2-gang
KNX blinds actuator, 1-gang

ETS product family: Output
 Product type: Binary output

Intended use

- Switching electrical loads via relay contacts with common reference potential
- Switching of electrically-driven blinds, shutters, awnings and similar hangings
- 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 NTC, FF 7.8)
- Installation in flush box with dimensions according to DIN 49073

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 1-way NO or 1-way NC contacts
- Feedback function
- Logic and forced operation function
- Central switching function with collective feedback
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with pre-warning function
- Scene function
- Operating hours counter

Characteristics blinds operation

- Suitable for 110 ... 230 V AC motors
- Operating modes 'Blind with slats', 'Shutter/awning', 'Ventilation flap/skylight'
- Blind/shutter position directly controllable
- Slat position directly controllable
- Feedback of movement status, blind/shutter position and slat position
- Forced position through higher-level controller
- Safety function: rain alarm, frost alarm, 3 independent wind alarms
- Sun protection function with auto Heating/Cooling
- Disabling function (lock-out protection)
- Scene function

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
Stora/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:	connection terminal to control cable
Outputs	
Connection mode:	screw terminals
Switching voltage:	AC 250 V ~
Switching current per device:	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 switching current per unit (referred to 16 A)	
for every 5 °C exceeded 25 °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
Number:	3
Total length of extension unit cable:	max. 10 m
Cable type:	J-Y(St)Y
Voltage satellite inputs:	approx. 5 V
	