KNX switching actuator 1-gang 16 A with binary input, 3-gang

Specification	Order No.	Packing unit	PS	EAN
Flush-mounted	5061 00	1/5	06	4010337099284

Features

Inputs

- Depending on the ETS parameterisation in the application for switches, buttons or contacts, inputs 1 and 2 either act internally on the relay output or separately on the KNX. Input 3 always acts on the KNX.
- Functions for the inputs when acting on the KNX (switching, dimming, blind, value transmitter, scene auxiliary unit, 2-channel operation, controller auxiliary unit, no function).
- Switching: Command for closing and opening of the contact adjustable (no reaction, ON, OFF, TOGGLE).
- Dimming: Dimming of brightness and/or colour temperature. Command for closing the contact, time between switching and dimming, dimming in different steps, telegram repetition in case of long signal at the input, and sending of a stop telegram at the end of the dimming process all configurable.
- Blinds: Command for closing the contact and the operating concept can be parameterised. Times for short and long signal at input and slat adjustment are adjustable.
- Value transmitter: Functionality as 1-byte, 2-byte, 3-byte or 6-byte value transmitter including colour temperature and colour value transmitter possible. Individually configurable values. Value adjustment is optionally possible with a long signal at the input (not with the 6-byte value transmitter).
- Scene auxiliary unit: Mode of operation (with or without memory function) and the scene number are adjustable.
- 2-channel operation: When the contact at the input closes, up to two telegrams can be sent out on the KNX. Operating concept adjustable (only channel 1 or channel 2/both channels). The mode of operation of the channels (1-bit, 1-byte, 2-byte, 3-byte, 6-byte) can be configured separately.
- Controller auxiliary unit: Mode of operation (operating mode switching, forced operating mode switching, presence function and target value adjustment) configurable.
- Disabling of all or individual inputs via a 1-bit object possible. Polarity of the blocking object, behaviour at the beginning and end of blocking, and behaviour during an active blocking can be adjusted.

Logic functions

- The device has 8 internal logic functions.
- Logic gate (AND, OR, exclusive AND, exclusive OR, each with up to 4 inputs).
- 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 actuator or other bus devices.
- Switching electrical consumers via a relay contact.
- Device has three inputs with a common reference potential.
- Reading in switching states of installation switches or push buttons and other zero-voltage contacts at inputs 1 to 3.
- Signal analysis of dew and leakage sensors (see accessories) at inputs 1 to 3.
- Recording of temperature values via remote sensors (see accessories) at input 3.
- Up to 8 independent logic functions for implementing simple or complex logical operations.
- Actively transmitting feedback or status messages can be delayed after a bus voltage recovery or ETS programming mode.
- Bistable relay.

Switching functions

- NO contact or NC contact operation.
- Central switching function via up to 6 switch objects (ON, OFF, permanently ON, permanently OFF).
- Feedback on switching: Active or passive feedback function.
- Reaction in case of bus voltage failure or bus voltage recovery can be set following an ETS programming process.
- Logical linking function.
- Block function or forced setting function can be parameterised.
- Extended blocking function with acknowledgement option.
- Time functions (switch-on and switch-off delay, staircase light function – also with advance warning function).
- Can be integrated in the light scenes: Up to 64 internal scenes can be parameterised.
- Scene memory function: Additional visual feedback.
- Extended scene retrieval (toggling of scenes).
- Elapsed operating time meter can be activated.
- Input monitoring for cyclic updating of the switching object with safety position.

Technical data

KNX medium:	TP256
Connections	
- KNX:	Connection terminals to control line
- Inputs:	Connection terminals to control line
- Load:	Screw terminals
Connections:	Max. 4 mm²
Inputs	
- Number:	3
Input type:	Zero-voltage
Polling voltage	
- Auxiliary inputs:	approx. 5 V
Total length	
- Auxiliary input cable:	max. 10 m
Ambient temperature:	-5 °C to +45 °C
Rated voltage	
- KNX:	DC 21 to 32 V SELV
Switching capacity:	AC 250 V, 16 AX
Maximum switch-on current:	800 A (200 µs), 165 A (20 ms)
Connected load	
- Ohmic load:	2500 W
- Capacitive load:	16 A, max. 140 µF

Illustrations are similar and may deviate from originals.

- Motors (blind or fan):	1380 W
- Light bulbs:	2300 W
- HV halogen lamps:	2300 W
- HV LED lamps:	typically 400 W
- Wound transformer:	1200 VA
- Tronic transformer:	1500 W
- Fluorescent lamps, uncompensated:	1000 VA
- Fluorescent lamps, duo-circuit:	2300 VA
- Fluorescent lamps, parallel-compensated:	1160 VA

Notes

- - KNX Data Secure compatible.
- Fast application download (long frame support).
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Scope of supply

- KNX connection and junction terminal included in the scope of supply.

Dimensions in mm

W x H x D:	48	50	28
