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**System 3000 electronic switching insert**



| Specification | Order No. | Packing unit | GBP/piece without VAT | PS | EAN |
|---|---|---|---|---|---|
|  | 5405 00 | 1/5 | 86.34 | 02 | 4010337048299 |

**Features**

- Connecting auxiliary units is possible.
- Control of thermal servos in combination with a room temperature controller top unit.
- Switch-on function that preserves the life of the lamp.
- Electronic short-circuit protection.
- Electronic excess-temperature protection.
- Operation with or without a neutral conductor connection.

Operation with a neutral conductor

- Switching of light bulbs, HV halogen lamps, electronic or inductive transformers with halogen or LED lamps, switchable or dimmable HV LED lamps or compact fluorescent lamps.
- Device is powered via the phase conductor and neutral conductor, therefore no leading edge or trailing edge phase control.

Operation without a neutral conductor

- Switching of light bulbs, HV halogen lamps, electronic or inductive transformers with halogen or LED lamps, dimmable HV LED lamps or compact fluorescent lamps.
- Device is powered via the the phase conductor and therefore works according to the leading edge or trailing edge principle.
- Automatic or manual setting of dimming principle according to load (leading or trailing edge).
- Display of the selected operating mode using LED.

Combination with RF Multi operating top unit, 1-gang / 2-gang for KNX

- Switching actuator channel, 1-gang or heating actuator, 1-gang.
- Sensor channel, 1-gang or 2-gang.
- Local control of System 3000 insert possible.
- Wireless control of other devices for KNX possible as a sensor.
- Temperature detection: Care must be taken to ensure that the connected loads do not exceed 40 W.
- Insert function selection for switching: NO/NC operation, staircase function with switch-off pre-warning, scene function (16 scenes), blocking function, time delays. Auxiliary input can be used as an additional operating point for the System 3000 insert or for wireless control of other devices for KNX as a sensor.
- Insert function selection for room temperature controller: Control of 230 V servos, heating mode, cooling mode, heating and cooling mode, switchover to heating or cooling mode via communication object or auxiliary input. PWM and 2-point controller, absolute and relative setpoint setting, heating requirement control incl. cascading, valve protection function. Cyclical monitoring of the floor temperature, service mode for valve output, frost protection function (automatic or via communication object), temperature sensor calibration, boost function, summer and winter compensation, scene function (16 scenes). Auxiliary input can be used as an additional operating point for the System 3000 insert or for wireless control of other devices for KNX as a sensor. Alternatively, the auxiliary input can be parameterised for switching between heating and cooling mode.
- Care must be taken to ensure that the connected loads do not exceed 40 W if the electronic switching insert functions as a room temperature controller.
- Dimmable HV LED lamp required.

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**Technical data**

| | |
|---|---|
| Rated voltage: | AC 230 V, 50/60 Hz |
| Standby: | 0.1 to 0.5 W |
| Connected load at 25 °C | |
| - HV LED lamps (dimmable)(leading edge): | typically 3 to 200 W |
| - Compact fluorescent lamp: | typically 3 to 100 W |
| - Light bulbs: | 20 to 400 W |
| - HV halogen lamps: | 20 to 400 W |
| - Tronic transformers: | 20 to 400 W |
| - electronic transformer with NV-LED: | typically 20 to 100 W |
| - Wound electronic transformer: | 20 to 400 VA |
| - Wound transformer with NV-LED: | typically 20 to 100 VA |
| Thermal servos: | max. 10 |
| Cable length | |
| - Load: | Max. 100 m |
| - Auxiliary unit: | Max. 100 m |
| Installation depth: | 24 mm |
| Installation: | in device box in accordance with DIN 49073 |
| Ambient temperature: | -5 °C to +45 °C |

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**Notes**

- Operation without a neutral conductor increases the minimum load for light bulbs, HV halogen lamps, Tronic transformers and wound transformers to 50 W.
- If the ambient temperature is higher than 25 °C, the connected load must be reduced.

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