


Servo 3 for KNX



| Specification | Order No. | Packing unit | PS | EAN |
|---|-----------|--------------|----|---------------|
|  | 2176 00 | 1 | 06 | 4010337019374 |

Features

- Electric motor-driven servo with one binary input (zero-voltage) for mounting on thermostat valve bases (recommendation: Heimeier) to control heating and cooling systems.
- Suitable for room temperature control, e.g. on heaters, radiators, convector heaters and heating circuit distributors on floor heating, etc.
- Screwed onto valve head.
- M30 × 1.5 mm connection.
- Integrated bus coupler. The servo is a proportional drive and can be directly integrated into the KNX system (without additional bus coupler).
- Supply voltage is drawn from the KNX system.
- Integrated temperature sensor.
- Integrated room temperature controller.
- Mechanical indicator for valve travel.
- Automatic detection of valve travel.
- One input. This can be used as a binary input or for connecting an external temperature sensor with the following functions: Switching, dimming, blinds, as a dimming value transmitter, as a temperature value transmitter, as a brightness value transmitter, as a light scene auxiliary unit with or without memory function, as a remote temperature sensor or as a temperature limiter for floor heating.
- Switching function: two self-contained switching objects available for each input (switch commands can be parameterised individually), separate command can be set for leading and trailing edge (ON, OFF, CHANGE, no reaction).
- Dimming function: Single and double-surface operation, time between dimming and switching, telegram repetition and stop-telegram transmission possible.
- Blind function: Command can be set with rising edge (no function, UP, DOWN, CHANGE), operating concept can be configured (Step - Move - Step or Move - Step), time between short and long-term operation can be set (only with Step - Move - Step), slat adjustment time can be set.
- Value transmitter function: Edge (button as NO contact, button as NC contact, switch) and value with edge can be configured, value adjustment by pressing and holding a button for value transmitters possible.
- Lighting scenario auxiliary unit with or without memory function.
- Can be used in a heating circuit distributor.
- Protection against jammed valves
- Corrected variable (1 bit or 1 byte).
- Cyclical monitoring of the corrected variable.
- Fault message object for drive faults.
- Emergency operation via internal temperature sensor.
- 2 forced settings or 1 forced setting and 1 limit value object can be set.
- Minimum and maximum variable limitation can be set.

Technical data

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|---|------------------|
| KNX medium: | TP256 |
| Valve | |
| - Connection: | M30 x 1.5 mm |
| - Hub: | 1.0 mm to 4.2 mm |
| - Regulating power: | 80 N to 120 N |
| Cable length | |
| - Connection cable: | 1 m |
| - Length of the connection cable for each KNX line (sum total applies to all servos present in the line): | Max. 30 m |
| - Binary input/remote sensor: | Max. 10 m |
| Number of servos for each KNX line: | 30 units max |
| Protection class: | IP40 |
| Ambient temperature: | 0 °C to 50 °C |

Dimensions in mm

B 79 H 47 T 79
