

Rotary actuator in connection with a mounting kit for the motorisation of the most common mixing valves in HVAC systems

- Torque motor 10 Nm
- Nominal voltage AC 230 V
- Control 3-point
- Running time motor 140 s



Technical data

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|------------------------|--|--|
| Electrical data | Nominal voltage | AC 230 V |
| | Nominal voltage frequency | 50/60 Hz |
| | Nominal voltage range | AC 198...264 V |
| | Power consumption in operation | 3.5 W |
| | Power consumption for wire sizing | 3.5 VA |
| | Connection supply / control | Cable 1 m, 3 x 0.75 mm ² |
| | Parallel operation | No |
| Functional data | Torque motor | 10 Nm |
| | Position accuracy | ±5% |
| | Direction of motion motor | clockwise rotation |
| | Manual override | temporary and permanent gear disengagement with rotary knob on the housing |
| | Angle of rotation | 90° |
| | Running time motor | 140 s / 90° |
| | Duty cycle value | 75% (= active time 140 s / operating time 187 s) |
| | Sound power level, motor | 37 dB(A) |
| | Position indication | Reversible scale plate |
| Safety data | Protection class IEC/EN | II reinforced insulation |
| | Degree of protection IEC/EN | IP40 |
| | EMC | CE according to 2014/30/EU |
| | Low voltage directive | CE according to 2014/35/EU |
| | Mode of operation | Type 1 |
| | Rated impulse voltage supply / control | 4 kV |
| | Control pollution degree | 3 |
| | Ambient temperature | 0...50°C |
| | Storage temperature | -30...80°C |
| | Ambient humidity | Max. 95% r.H., non-condensing |
| | Servicing | maintenance-free |
| Housing colours | Housing cover | orange |
| | Housing base | orange |

Safety notes



- This device has been designed for use in stationary heating, ventilation and air-conditioning systems and must not be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- The actuator is to be protected against moisture. It is not suitable for outdoor applications.
- To calculate the torque required, the specifications supplied by the mixing valve manufacturer must be observed.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The installer must check for correct principle of operation after installation.
- The device does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.
- Caution: Power supply voltage!

Product features

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|------------------------------------|---|
| Mode of operation | The actuator is activated with a 3-point signal. |
| Simple direct mounting | Simple direct mounting with only one screw. The stud bolt included in delivery serves as an anti-rotation device. The mounting position can be freely selected in steps of 90°. |
| Manual override | Manual override with lever possible. Temporary gear disengagement by pushing the rotary knob. Permanent disengagement by pushing and simultaneous rotating the rotary knob clockwise 90°. |
| High functional reliability | The actuator switches off automatically when the end stops are reached. |

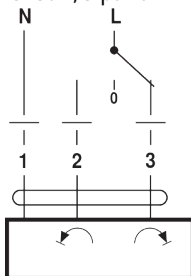
Accessories

| Electrical accessories | Description | Type |
|------------------------|--|---------|
| | Auxiliary switch 1 x SPDT for 3-point HT actuators with cable connection | SNR |
| Mechanical accessories | Description | Type |
| | Mounting kit for LK mixing valve | MS-NRA |
| | Mounting kit for Barberi mixing valves | MS-NRB |
| | Mounting kit for Honeywell/Centra DR..MA mixing valves | MS-NRC |
| | Mounting kit for Honeywell/Centra DRU.. mixing valves | MS-NRC1 |
| | Mounting kit for mixing valves with 12 mm round shaft | MS-NRE |
| | Mounting kit for Hora mixing valves | MS-NRH |
| | Mounting kit for Siemens/Landis&Stäfa mixing valves VCI/VBG/VBF | MS-NRL |
| | Mounting kit for Lazzari mixing valves | MS-NRLA |
| | Mounting kit for Lovato mixing valves | MS-NRLO |
| | Mounting kit for Satchwell MB mixing valves | MS-NRS |
| | Mounting kit for Satchwell MBF mixing valves | MS-NRSF |

Electrical installation

Caution: Power supply voltage!
Wiring diagrams

AC 230 V, 3-point


Dimensions

Dimensional drawings

