

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

- Torque motor 5 Nm
- Nominal voltage AC 230 V
- Control 3-point
- Running time motor 70 s



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Technical data

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
	Connection supply / control	Cable 1 m, 3 x 0.75 mm ²
	Parallel operation	No
Functional data	Torque motor	5 Nm
	Position accuracy	±5%
	direction of rotation motor	clockwise rotation
	Manual override	temporary and permanent gear disengagement with rotary knob on the housing
	Angle of rotation	90°
	Running time motor	70 s / 90°
	Duty cycle value	75% (= active time 70 s / operating time 93 s)
	Sound power level, motor	40 dB(A)
	Position indication	Reversible scale plate
Safety	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
	Non-operating temperature	-30...80 °C
	Ambient humidity	Max. 95% r.h., non-condensing
Weight	Maintenance	Maintenance-free
	Weight	0.41 kg
	Packaging size	Single-pack
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 correct functioning of the strain relief for the cable in the actuator housing is to be checked.
- 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.

Safety notes

- 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

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

	Description	Type
Electrical accessories	Auxiliary switch, 1 x EPU, for actuators with cable connection	SNR
	Description	Type
Mechanical accessories	Mounting kit for LK mixing valve	MS-NRA
	Installation 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
	Installation kit for ESBE mixing valves	MS-NRE
	Mounting kit for Hora mixing valve	MS-NRH
	Mounting kit for Siemens/Landis&Stäfa mixing valve	MS-NRL
	Installation kit for Lazzari mixing valves	MS-NRLA
	Mounting kit for Lovato mixing valve	MS-NRLO
	Mounting kit for Satchwell MB mixing valve	MS-NRS
	Mounting kit for Satchwell MBF mixing valve	MS-NRSF

Electrical installation

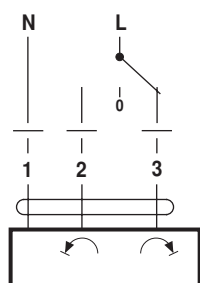


Notes

- Caution: Power supply voltage!

Wiring diagrams

AC 230 V, 3-point



Dimensions [mm]
Dimensional drawings
