

Globe valve actuator for 2-way and 3-way globe valves

- Actuating force 1000N
- Nominal voltage AC 230V
- Control: Open-close, 3-point
- Nominal stroke 20mm


Technical data

Electrical data	Nominal voltage	AC 230V
	Nominal voltage frequency	50/60Hz
	Nominal voltage range	AC 198...264V
	Power consumption in operation	2W
	Power consumption in rest position	1W
	Power consumption for wire sizing	4.5VA
	Connection supply / control	Terminals 4mm ² and cable 1m, 3 x 0.75mm ²
Functional data	Parallel operation	Yes
	Actuating force	1000N
	Manual override	Gear disengagement with push-button, can be locked
	Nominal stroke	20mm
	Actuating time	150s/20mm
	Sound power level motor max.	45dB(A)
	Position indication	Mechanical 5...20mm stroke
Safety	Protection class IEC/EN	II Protective insulated
	Degree of protection IEC/EN	IP54
	EMC	CE in accordance with 2004/108/EC
	Certification IEC/EN	Certified to: IEC/EN 60730-1 and IEC/EN 60730-2-14
	Mode of operation	Type 1
	Rated impulse voltage supply / control	4kV
	Control pollution degree	3
Weight	Ambient temperature	0°C...50°C
	Non-operating temperature	-40°C...80°C
	Ambient humidity	95% r.h., non-condensing
	Maintenance	Maintenance-free
Weight	Weight approx.	1.32kg

Safety notes


- This actuator has been designed for application in stationary heating, ventilation and air-conditioning systems and is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied with during installation.
- The switch for changing the direction of motion/the closing point may be adjusted only by authorised personnel. The direction of stroke is critical, particularly in connection with frost protection circuits.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Product features

Direct mounting	Simple direct mounting on the globe valve by means of form-fit hollow clamping jaws. The actuator can be rotated through 360° on the valve neck.
Manual override	Manual control with push-button possible - temporary, permanently. The gear is disengaged and the actuator decoupled for as long as the button is pressed / latched. The stroke can be adjusted by using a hexagon socket screw key (4mm), which is inserted into the top of the actuator. The stroke spindle extends when the key is rotated clockwise.
High functional reliability	The actuator is overload protected, requires no limit switches and automatically stops when the end stop is reached.
Combination valve/actuator	Refer to the valve documentation for suitable valves, their permitted medium temperatures and closing pressures.
Position indication	The stroke is indicated mechanically on the bracket with tabs. The stroke range adjusts itself automatically during operation.
Home position	Setting ex-works: Actuator spindle is retracted. When valve-actuator combinations are shipped, the direction of motion is set in accordance with the closing point of the valve.
Direction of stroke switch	When actuated, the direction of stroke switch changes the running direction in normal operation.

Accessories

Electrical accessories

Description	Type
Auxiliary switch	S2A-H

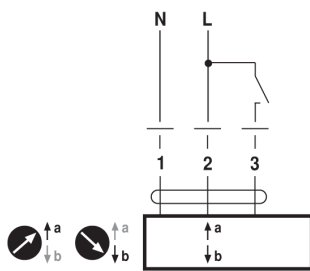
Electrical installation



- Notes
- Parallel connection of other actuators possible.
 - Direction of stroke switch factory setting: Actuator spindle retracted.

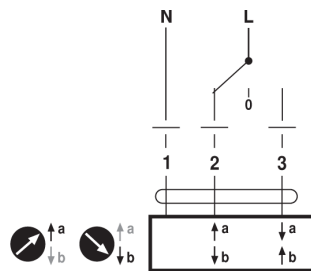
Wiring diagrams

AC 230V, open-close (one-wire)



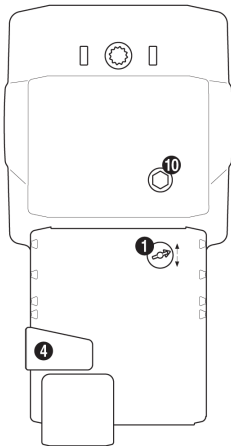
Cable colours:
 1 = blue
 2 = brown
 3 = white

AC 230V, 3-point



Cable colours:
 1 = blue
 2 = brown
 3 = white

Indicators and operating controls



(1) Direction of stroke switch

Switching: Direction of stroke changes

(4) Gear disengagement button

Press button: Gear disengages, motor stops, manual override possible
Release button: Gear engages, standard mode

(10) Manual override

Clockwise: Actuator spindle extends
Counterclockwise: Actuator spindle retracts

Dimensions [mm]

Dimensional drawings

