

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

- Actuating force 1000N
- Nominal voltage AC/DC 24V
- Control: Open-close, 3-point
- Nominal stroke 20mm



**Technical data**

<b>Electrical data</b>	Nominal voltage	AC/DC 24V
	Nominal voltage frequency	50/60Hz
	Nominal voltage range	AC 19.2...28.8V / DC 21.6...28.8V
	Power consumption in operation	1.5W
	Power consumption in rest position	0.5W
	Power consumption for wire sizing	3VA
	Connection supply / control	Terminals 4mm <sup>2</sup> and cable 1m, 3 x 0.75mm <sup>2</sup>
<b>Functional data</b>	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
<b>Safety</b>	Protection class IEC/EN	III Safety extra-low voltage
	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	0.8kV
	Control pollution degree	3
<b>Weight</b>	Ambient temperature	0°C...50°C
	Non-operating temperature	-40°C...80°C
	Ambient humidity	95% r.h., non-condensing
	Maintenance	Maintenance-free
	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**

<b>Direct mounting</b>	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.
<b>Manual override</b>	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.
<b>High functional reliability</b>	The actuator is overload protected, requires no limit switches and automatically stops when the end stop is reached.
<b>Combination valve/actuator</b>	Refer to the valve documentation for suitable valves, their permitted medium temperatures and closing pressures.
<b>Position indication</b>	The stroke is indicated mechanically on the bracket with tabs. The stroke range adjusts itself automatically during operation.
<b>Home position</b>	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.
<b>Direction of stroke switch</b>	When actuated, the direction of stroke switch changes the running direction in normal operation.

**Accessories**

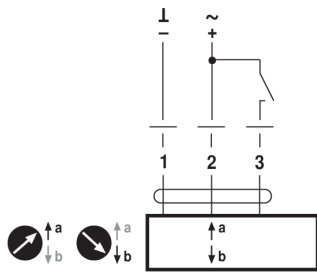
Electrical accessories	Description	Type
	Auxiliary switch	S2A-H

**Electrical installation**

Notes • Connection via safety isolating transformer.  
 • Parallel connection of other actuators possible.  
 • Direction of stroke switch factory setting: Actuator spindle retracted.

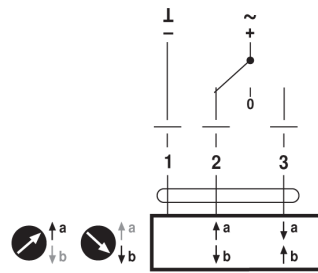
**Wiring diagrams**

AC/DC 24V, open-close (one-wire)



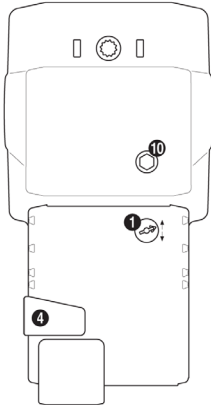
Cable colours:  
 1 = black  
 2 = red  
 3 = white

AC/DC 24V, 3-point



Cable colours:  
 1 = black  
 2 = red  
 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

