

# Globe valve actuator for 2-way and 3-way globe valves • Actuating force 500 N

- Nominal voltage AC/DC 24 V
- Control Open/close, 3-point
- Stroke 15 mm



## **Technical data**

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.228.8 V / DC 21.628.8 V
	Power consumption in operation	1 W
	Power consumption in rest position	0.5 W
	Power consumption for wire sizing	1 VA
	Connection supply / control	Terminals with cable 1 m, 3 x 0.75 mm <sup>2</sup> (Terminal 4 mm <sup>2</sup> )
	Parallel operation	Yes (note the performance data)
Functional data	Actuating force motor	500 N
	Manual override	with push-button, can be locked
	Stroke	15 mm
	Running time motor	150 s / 15 mm
	Sound power level, motor	45 dB(A)
	Position indication	Mechanically, 515 mm stroke
Safety	Protection class IEC/EN	III Safety Extra-Low Voltage (SELV)
	Protection class UL	UL Class 2 Supply
	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2
	Enclosure	UL Enclosure Type 2
	EMC	CE according to 2014/30/EU
	Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-14
	Certification UL	cULus according to UL60730-1A, UL60730-2- 14 and CAN/CSA E60730-1:02
	Certification UL note	The UL marking on the actuator depends on the production site, the device is UL-compliant in any case
	Mode of operation	Type 1
	Rated impulse voltage supply / control	0.8 kV
	Control pollution degree	3
	Ambient temperature	050°C
	Storage temperature	-4080°C
	Ambient humidity	Max. 95% r.H., non-condensing
	Servicing	maintenance-free
Weight	Weight	1.1 kg



<ul> <li>especially in aircraft or in any other airborne means of transport.</li> <li>Outdoor application: only possible in case that no (sea) water, snow, ice, insolation or aggressive gases interfere directly with the actuator and that is ensured that the ambient conditions remain at any time within the thresholds according to the data sheet.</li> <li>Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.</li> <li>The switch for changing the direction of motion and so the closing point may be adjusted only by authorised specialists. The direction of motion is critical, particular in connection with frost protection circuits.</li> <li>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.</li> <li>The device contains electrical and electronic components and must not be dispose of as household refuse. All locally valid regulations and requirements must be observed.</li> </ul> Product features           Simple direct mounting         Simple direct mounting on the globe valve by means of form-fit hollow clamping jaws. The actuator can be rotated by 360° on the valve neck.           Manual override         Manual override with push-button possible (the gear is disengaged for as long as the button is pressed or remains locked). The stroke can be adjusted by using a hexagon socket screw key (4 mm), which is inserted into the top of the actuator. The stroke shaft extends when the key is rotated clockwise. High functional reliability The adjust 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 fluid temperature and closing pressures. The stroke is indicated mechanically o	Safety notes	
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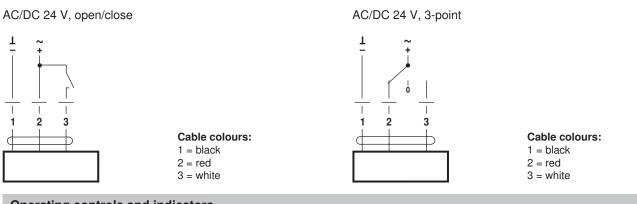
Accessories

		Description	Туре
Electrical accessories		Auxiliary switch 2 x SPDT add-on	S2A-H
Electrical in	nstallation		
$\Lambda$	Notes	<ul> <li>Connection via safety isolating transformer.</li> <li>Parallel connection of other actuators possible. Observe the performance data.</li> <li>Direction of stroke switch factory setting: Actuator spindle retracted (▲).</li> </ul>	

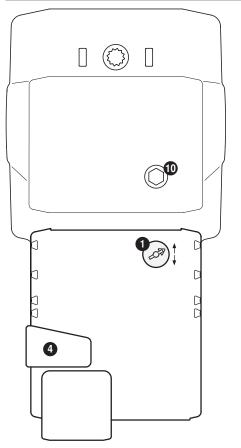


### **Electrical installation**

### Wiring diagrams



## **Operating controls and indicators**



### **1** Direction of stroke switch

Switch over: Direction of stroke changes

# Gear disengagement button Press button: Gear dis

Release button:

Gear disengages, motor stops, manual override possible Gear engages, standard mode

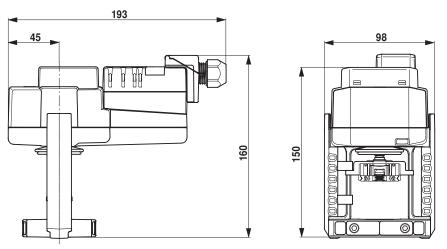
### 10 Manual override

Clockwise: Counterclockwise: Actuator spindle extends Actuator spindle retracts



### **Dimensions** [mm]

### **Dimensional drawings**



#### **Further documentation**

- The complete product range for water applicationsData sheets for globe valves
- Installation instructions for actuators and/or globe valves •
- Notes for project planning 2-way and 3-way globe valves •
- · General notes for project planning