

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

- Actuating force 2500 N
- Nominal voltage AC/DC 24 V
- Control modulating 2...10 V
- Stroke 40 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	4 W	
	Power consumption in rest position	1.5 W	
	Power consumption for wire sizing	6 VA	
	Connection supply / control	Terminals with cable 1 m, 4 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	2500 N	
	Operating range Y	210 V	
	Input Impedance	100 kΩ	
	Position feedback U	210 V	
	Position feedback U note	Max. 0.5 mA	
	Position accuracy	±5%	
	Manual override	with push-button, can be locked	
	Stroke	40 mm	
	Running time motor	150 s / 40 mm	
	Adaptation setting range	manual (automatic on first power-up)	
	Sound power level, motor	55 dB(A)	
	Position indication	Mechanically, 540 mm stroke	
Safety data	Protection class IEC/EN	III, Safety Extra-Low Voltage (SELV)	
	Power source 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	
	UL Approval	cULus according to UL60730-1A, UL60730-2-14 and CAN/CSA E60730-1	
		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	
	Pollution degree	3	
	Ambient humidity	Max. 95% RH, non-condensing	
	Ambient temperature	050°C [32122°F]	
	Storage temperature	-4080°C [-40176°F]	
	Servicing	maintenance-free	



	Technical dat	asheet	
Weight	Weight	3.6 kg	
Safety notes			
Ĺ	<ul> <li>systems and must in any other airbo</li> <li>Outdoor application aggressive gases in conditions remain</li> <li>Only authorised spinstallation regula</li> <li>The switch for chat by authorised spefrost protection cining</li> <li>The device may or can be replaced on</li> <li>The device contain</li> </ul>	not be used outside the specified firme means of transport. On: only possible in case that no (searnerfere directly with the device and within the thresholds according to becialists may carry out installation. tions must be complied during instanging the direction of motion and socialists. The direction of motion is created at the manufacturer's repaired by the user.	d that it is ensured that the ambient the data sheet at any time. All applicable legal or institutional allation. o the closing point may be adjusted only itical, particularly in connection with site. It does not contain any parts that ents and must not be disposed of as
Product features			
Mode of operation	defined by the cont		l of 010 V and drives to the position serves for the electrical display of the her actuators.
Simple direct mounting		ting on the globe valve by means of ited by 360° on the valve neck.	form-fit hollow clamping jaws. The
Manual override	Manual override wit button is pressed or		ain is disengaged for as long as the
		djusted by using a hexagon socket s tor. The stem extends when the key	crew key (5 mm), which is inserted into is rotated clockwise.
High functional reliability	The actuator is over end stop is reached		itches and automatically stops when the
Home position	Factory setting: Actu	ator stem is retracted.	
	When valve-actuato with the closing poi		ection of motion is set in accordance
	carries out an adapt		ne time of commissioning, the actuator range and position feedback adjust
	The actuator then m	noves into the position defined by th	e control signal.
Adaptation and synchronisation	•	e triggered manually by pressing th ted during the adaptation (entire se	ne "Adaptation" button. Both mechanical tting range).
	The actuator then m	noves into the position defined by th	e control signal.
Setting direction of motion	When actuated, the	stroke direction switch changes the	erunning direction in normal operation.
Accessories			
Electrical accessories	Description		Туре

Electrical accessories

Auxiliary switch 2 x SPDT add-on

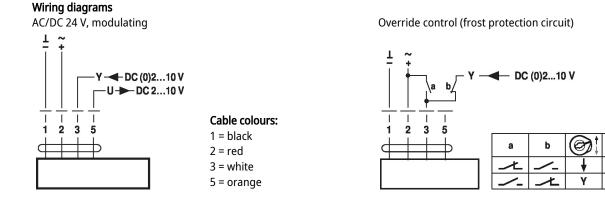
Туре S2A-H



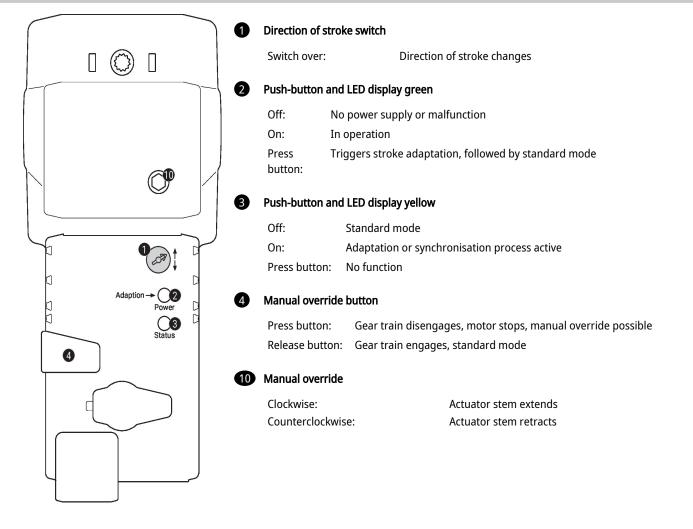


Supply from isolating transformer.

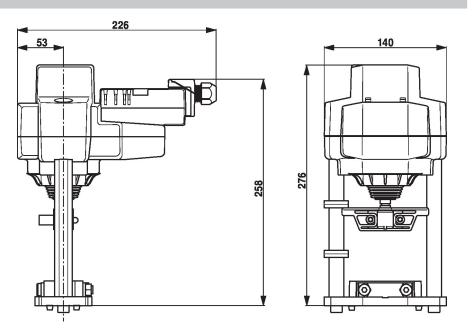
Parallel connection of other actuators possible. Observe the performance data. Direction of stroke switch factory setting: Actuator stem retracted (  $\blacktriangle$  ).



## Operating controls and indicators







## **Further documentation**

- The complete product range for water applications
- Data 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