

Technical data sheet

SRC24A-SR

Modulating rotary actuator for ball valves

- Torque motor 20 Nm
- Nominal voltage AC/DC 24 V
- Control modulating 2...10 V
- Position feedback 2...10 V
- Running time motor 35 s



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 19.228.8 V
	Power consumption in operation	4 W
	Power consumption in rest position	1.5 W
	Power consumption for wire sizing	7 VA
	Connection supply / control	Cable 1 m, 4 x 0.75 mm ²
	Parallel operation	Yes (note the performance data)
Functional data	Torque motor	20 Nm
	Operating range Y	210 V
	Input Impedance	100 kΩ
	Position feedback U	210 V
	Position feedback U note	Max. 1 mA
	Position accuracy	±5%
	Manual override	with push-button, can be locked
	Running time motor	35 s / 90°
	Sound power level, motor	55 dB(A)
	Position indication	Mechanically, pluggable
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	-3050°C
	Storage temperature	-4080°C
	Ambient humidity	Max. 95% r.H., non-condensing
	Servicing	maintenance-free
Weight	Weight	0.91 kg



Safety notes		
$\overline{\mathbb{V}}$	 This device has been designed for use in stat conditioning systems and must not be used o especially in aircraft or in any other airborne r 	utside the specified field of application,
	 Outdoor application: only possible in case that or aggressive gases interfere directly with the ambient conditions remain at any time within sheet. 	actuator and that is ensured that the
	Only authorised specialists may carry out inst institutional installation regulations must be co	
	 The switch for changing the direction of rotati specialists. The direction of rotation must not protection circuit. 	
	 The device may only be opened at the manuf parts that can be replaced or repaired by the 	
	Cables must not be removed from the device	
	 The device contains electrical and electronic of as household refuse. All locally valid regula observed. 	
Product features		
Mode of operation	The actuator is connected with a standard mode to the position defined by the positioning signal. electrical display of the valve position 0.51009 actuators.	Measuring voltage U serves for the
Simple direct mounting	Straightforward direct mounting on the ball valve assembly tool is integrated in the plug-in position in relation to the ball valve can be selected in 90	n indication. The mounting orientation
Manual override	Manual override with push-button possible (the button is pressed or remains locked).	gear is disengaged for as long as the
Adjustable angle of rotation	Adjustable angle of rotation with mechanical en	d stops.
High functional reliability	The actuator is overload protected, requires no when the end stop is reached.	limit switches and automatically stops
Accessories		
	Description	T

	Description	Туре
Electrical accessories	Auxiliary switch 1 x SPDT add-on	S1A
	Auxiliary switch 2 x SPDT add-on	S2A
	Feedback potentiometer 140 Ω add-on	P140A
	Feedback potentiometer 200 Ω add-on	P200A
	Feedback potentiometer 500 Ω add-on	P500A
	Feedback potentiometer 1 k Ω add-on	P1000A
	Feedback potentiometer 2.8 kΩ add-on	P2800A
	Feedback potentiometer 5 k Ω add-on	P5000A
	Feedback potentiometer 10 k Ω add-on	P10000A
Electrical installation		
Notes	 Connection via safety isolating transformer. Parallel connection of other actuators possible. Observe the performance data. Direction of rotation switch is covered. Factory setting: Direction of rotation Y2. 	

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Rotary actuator, modulating, AC/DC 24 V, 20 Nm, Running time motor 35 s

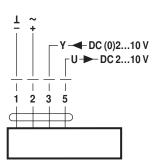


Electrical installation

Wiring diagrams

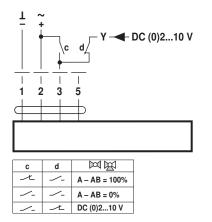
AC/DC 24 V, modulating

Override control (frost protection circuit)



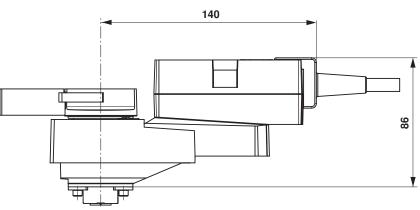
Cable colours: 1 = black 2 = red

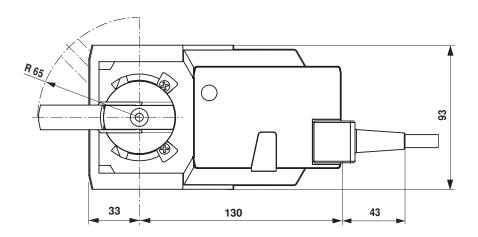
3 = white 5 = orange



Dimensions [mm]

Dimensional drawings





Further documentation

- The complete product range for water applications
- Data sheets for ball valves
- · Installation instructions for actuators and/or ball valves
- General notes for project planning