

Modulating short-stroke actuator for the motorisation of Siemens short-stroke globe valves in HVAC systems

- Actuating force 500 N
- Nominal voltage AC/DC 24 V
- Control modulating 0...10 V
- Stroke 5.5 mm



Picture may differ from product

## Technical data

<b>Electrical data</b>	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.2...28.8 V / DC 21.6...28.8 V
	Power consumption in operation	1.5 W
	Power consumption for wire sizing	3 VA
	Connection supply / control	Cable 1 m, 4x 0.75 mm <sup>2</sup>
	Parallel operation	Yes (note the performance data)
<b>Functional data</b>	Actuating force motor	500 N
	Operating range Y	0...10 V
	Input impedance	100 kΩ
	Operating range Y variable	2...10 V
	Position feedback U	0...10 V
	Position feedback U note	Max. 1 mA
	Position accuracy	±5%
	Manual override	temporary and permanent gear train disengagement with rotary knob on the housing
	Stroke	5.5 mm
	Actuator fixing	G 3/4"
	Running time motor	35 s / 5.5 mm
	Sound power level, motor	45 dB(A)
	Duty cycle value	75% (= active time 35 s / operating time 47 s)
	Position indication	Reversible scale plate
<b>Safety data</b>	Protection class IEC/EN	III, Safety Extra-Low Voltage (SELV)
	Degree of protection IEC/EN	IP40
	EMC	CE according to 2014/30/EU
	Type of action	Type 1
	Rated impulse voltage supply / control	0.8 kV
	Pollution degree	3
	Ambient humidity	Max. 95% RH, non-condensing
	Ambient temperature	0...50°C [32...122°F]
	Storage temperature	-30...80°C [-22...176°F]
	Servicing	maintenance-free
<b>Weight</b>	Weight	0.41 kg
<b>Housing colours</b>	Housing cover	orange
	Housing base	black

## Safety notes



- This device has been designed for use in stationary heating, ventilation and air-conditioning systems and must not 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 actuator is to be protected against moisture. It is not suitable for outdoor applications.
- The device does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.

## Product features

<b>Operating mode</b>	The actuator is connected with an analogue control signal Y (note the operating range) and drives to the position defined.
<b>Simple direct mounting</b>	Straightforward direct mounting on the valve with one knurled nut.
<b>Manual override</b>	Manual override with lever possible. Temporary gear train disengagement by pushing the rotary knob. Permanent disengagement by pushing and simultaneous rotating the rotary knob clockwise 90°.
<b>High functional reliability</b>	The actuator is overload protected and automatically stops when the end stop is reached.

## Electrical installation



Supply from isolating transformer.

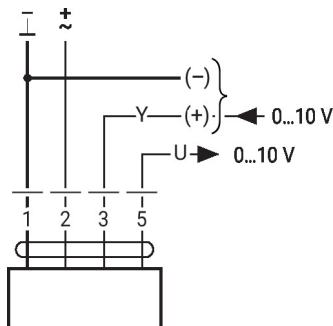
Parallel connection of other actuators possible. Observe the performance data.

The actuator is connected with an analogue control signal Y (note the operating range).

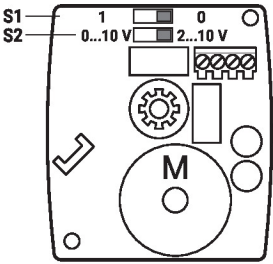
### Wire colours:

- 1 = black
- 2 = red
- 3 = white
- 5 = orange

AC/DC 24 V, modulating



Operating controls and indicators



S1		
0		Y = 0%
1		Y = 0%

S2	
2...10 V	
0...10 V	

Dimensions

