

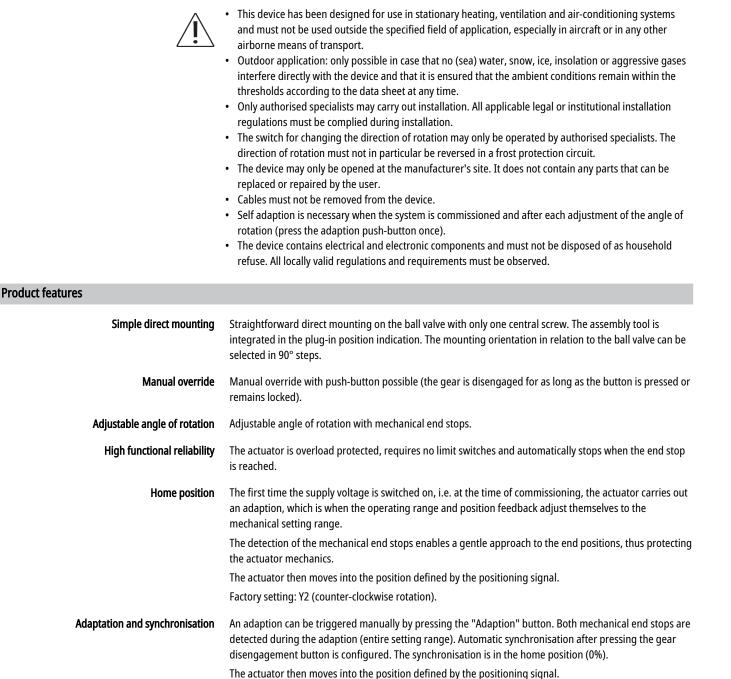
Torque motor 4 Nm
Nominal voltage AC/DC 24 V
Control Open/close
Running time motor 9 s



## **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	13 W
	Power consumption in rest position	2 W
	Power consumption for wire sizing	23 VA
	Power consumption for wire sizing note	Imax 20 A @ 5 ms
	Connection supply / control	Cable 1 m, 3 x 0.75 mm <sup>2</sup>
	Parallel operation	Yes (note the performance data)
Functional data	Torque motor	4 Nm
	Manual override	with push-button, can be locked
	Running time motor	9 s / 90°
	Adaptation setting range	manual (automatic on first power-up)
	Sound power level, motor	45 dB(A)
	Position indication	Mechanically, pluggable
Safety data	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	Туре 1
	Rated impulse voltage supply / control	0.8 kV
	Control pollution degree	3
	Ambient temperature	-3040°C
	Ambient temperature note	Caution: +40+50°C utilisation possible only under certain restrictions. Please contact your supplier.
	Storage temperature	-4080°C
	Ambient humidity	Max. 95% r.H., non-condensing
	Servicing	maintenance-free
Weight	Weight	0.99 kg





# Accessories

Electrical accessories	Description	Туре
	Feedback potentiometer 10 k $\Omega$ add-on	P10000A
	Feedback potentiometer 1 k $\Omega$ add-on	P1000A
	Feedback potentiometer 140 $\Omega$ add-on	P140A
	Feedback potentiometer 200 $\Omega$ add-on	P200A
	Feedback potentiometer 2.8 kΩ add-on	P2800A
	Feedback potentiometer 5 k $\Omega$ add-on	P5000A
	Feedback potentiometer 500 $\Omega$ add-on	P500A
	Auxiliary switch 1 x SPDT add-on	S1A
	Auxiliary switch 2 x SPDT add-on	S2A
Electrical installation		

### Supply from isolating transformer.

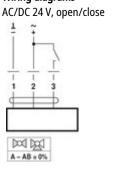


# **Technical data sheet**



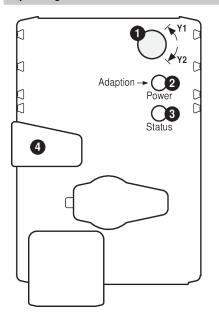
Parallel connection of other actuators possible. Observe the performance data. Direction of rotation switch is covered. Factory setting: Direction of rotation Y2.

#### Wiring diagrams



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

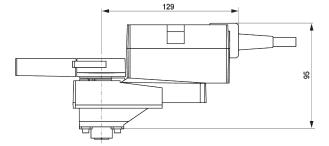
#### **Operating controls and indicators**

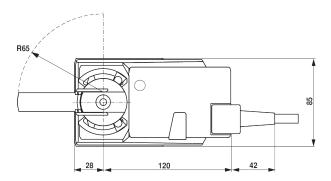


#### **1** Direction of rotation switch Switch over: Direction of rotation changes 2 Push-button and LED display green No power supply or malfuntion Off: On: In operation Press button: Triggers angle of rotation adaptation, followed by standard mode 3 Push-button and LED display yellow Off: Standard mode On: Adaptation or synchronising process active Press button: No function **4** Gear disengagement button Press button: Gear disengages, motor stops, manual override possible Release button: Gear engages, synchronisation starts, followed by standard mode Check power supply connection 2 Off and 3 On Possible wiring error in power supply

### Dimensions

**Dimensional drawings** 







- 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