

Rotary actuator with emergency control function for ball valves and butterfly valves

- Nominal torque 20 Nm
- Nominal voltage AC 230 V
- Control Open-close
- Deenergised closed (NC)


**Technical data**

<b>Electrical data</b>	Nominal voltage	AC 230 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 195...264 V
	Power consumption in operation	6.5 W
	Power consumption in rest position	3.5 W
	Power consumption for wire sizing	18 VA
	Connection supply / control	Cable 1 m, 2 x 0.75 mm <sup>2</sup>
	Parallel operation	Yes (note the performance data)
<b>Functional data</b>	Torque motor	Min. 20 Nm
	Torque spring return	Min. 20 Nm
	Direction of rotation spring-return	Deenergised NC, valve closed (A - AB = 0%)
	Manual override	By means of hand crank and locking switch
	Angle of rotation	90°
	Running time motor	75 s / 90°
	Running time emergency setting position	<20 s / 90°
	Sound power level motor max.	45 dB(A)
	Position indication	Mechanical
	Service life	Min. 60,000 emergency positions
<b>Safety</b>	Protection class IEC/EN	II Protective insulated
	Protection class UL	II Protective insulated
	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2, UL Enclosure Type 2
	EMC	CE according to 2004/108/EC
	Low voltage directive	CE according to 2006/95/EC
	Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-14
	Certification UL	cULus according to UL 60730-1A, UL 60730-2-14 and CAN/CSA E60730-1:02
	Mode of operation	Type 1.AA
	Rated impulse voltage supply / control	4 kV
	Control pollution degree	3
	Ambient temperature	-30...50 °C
	Non-operating temperature	-40...80 °C
Ambient humidity	95% r.h., non-condensing	
Maintenance	Maintenance-free	
<b>Mechanical data</b>	Connection flange	F05
	<b>Weight</b>	Weight approx. 2.3 kg

**Safety notes**


- This device has been designed for use in stationary heating, ventilation and air conditioning systems and is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Caution: Power supply voltage!
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.

### Safety notes

- 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.
- The cables must not be removed from the device.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

### Product features

<b>Mode of operation</b>	The actuator moves the valve to the operating position at the same time as tensioning the return spring. The valve is turned back to the emergency position by spring force when the supply voltage is interrupted.
<b>Direct mounting</b>	Simple direct mounting on the rotary valve or butterfly valve with mounting flange. The mounting orientation in relation to the fitting can be selected in 90° steps.
<b>Manual override</b>	Manual actuation of the valve with manual elevator crank, engagement with the locking switch at any position. Unlocking is manual or automatic by applying the operating voltage.
<b>High functional reliability</b>	The actuator is overload protected, requires no limit switches and automatically stops when the end stop is reached.
<b>Adjustable angle of rotation</b>	Adjustable angle of rotation with mechanical end stop.

### Electrical installation

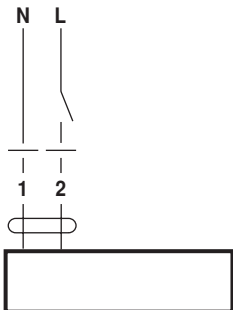


#### Notes

- Caution: Power supply voltage!
- Parallel connection of other actuators possible. Observe the performance data.

### Wiring diagrams

AC 230 V, open-close

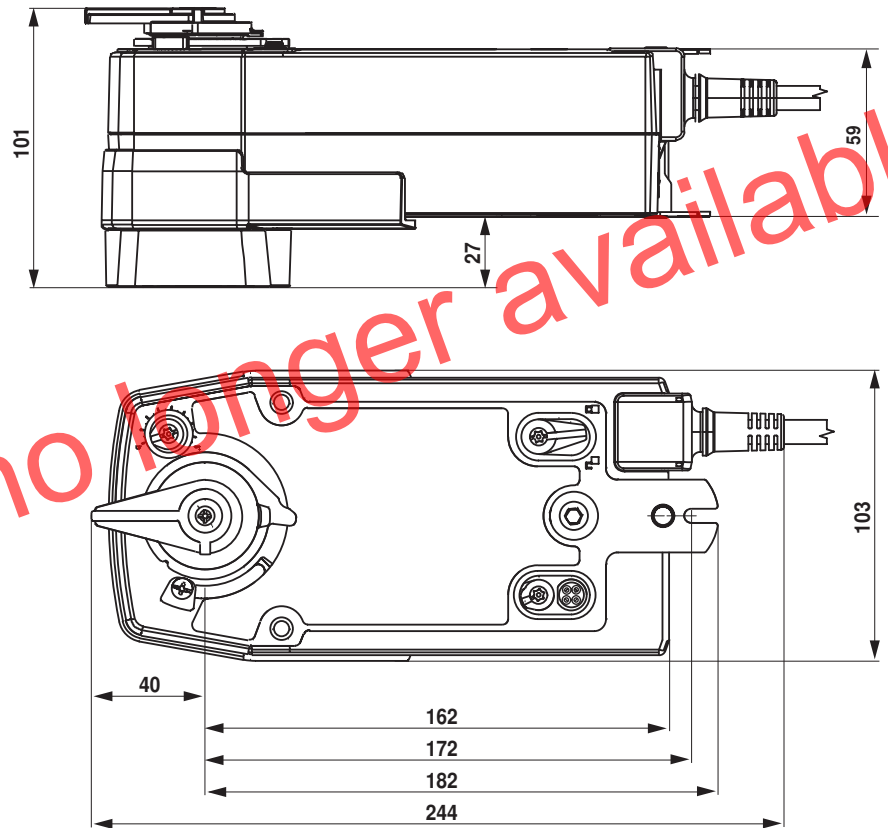


#### Cable colours:

- 1 = blue
- 2 = brown

## Dimensions [mm]

## Dimensional drawings



## Further documentation

- Overview Valve-actuator combinations
- Data sheets for rotary valves and butterfly valves
- Installation instructions for actuators and/or rotary valves and butterfly valves
- General notes for project planning