

Technical data sheet

Rotary actuator with fail-safe for ball valves

- Torque motor 10 Nm
- Nominal voltage AC 24...240 V / DC 24...125 V
- Control Open/close
- Deenergised open (NO)
- with 2 integrated auxiliary switches



Technical data

Electrical data Nominal voltage AC 24240 V / DC 24125 V Nominal voltage frequency 50/60 Hz Nominal voltage range AC 19.2264 V / DC 21.6137.5 V Power consumption in operation 6 W Power consumption in rest position 2.5 W Power consumption for wire sizing 9.5 VA Auxiliary switch 2 x SPDT, 1 x 10% / 1 x 1190% Auxiliary switch 2 x SPDT, 1 x 10% / 1 x 1190% Switching capacity auxiliary switch Cable 1 m, 2 x 0.75 mm² Connection supply / control Cable 1 m, 6 x 0.75 mm² Connection supply / control Cable 1 m, 6 x 0.75 mm² Functional data Torque motor 10 Nm Direction of motion fail-safe Deenergised NO, valve open (A – AB = 100%) Manual override by means of hand crank and locking switch Running time fail-safe 20 s / 90° Sound power level, motor 75 s / 90° Running time fail-safe 20 s / 90° Sound power level, motor 45 dB(A) Position indication Mechanical Service life Min. 60/000 fail-safe positions Portection class LC/EN II reinforced insulation Protection class July switch IEC/EN II reinforced insulation Portect			
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Ambient humidityMax. 95% r.H., non-condensingServicingmaintenance-free		•	
Servicing maintenance-free			
Weight Weight 2.3 kg		Servicing	maintenance-free
	Weight	Weight	2.3 kg

Rotary actuator fail-safe, Open/close, AC 24...240 V / DC 24...125 V, 10 Nm, with 2 integrated auxiliary switches



 especially in aircraft or in any other airborne means of transport. Outdoor application: only possible in case that no (sea) water, snow, ice, insolation or aggressive gases interfere directly with the actuator and that is ensured that the ambient conditions remain at any time within the thresholds according to the data sheet. Caution: Power supply voltage! Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation. 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. Cables must not be removed from the device. The device contains electrical and electronic components and must not be dispose of as household refuse. All locally valid regulations and requirements must be observed. The two switches integrated in the actuator are to be operated either on power supply voltage safety extra-low voltage. The combination power supply voltage safety extra-low voltage is not permitted. Product features Mode of operation Mode of operation The actuator is equipped with a universal voltage feed module that can utilise supply voltage so f AC 24240 V and DC 24125V. The actuator moves the ball valve is turned back to the fail-safe position by spring force when the supply voltage is interrupted. Simple direct mounting Simple direct mounting on the ball valve we can be operated manually and engaged with the looking switch at any position. Unlocking is carried out manually or automatically by applying the operating voltage. Adjustable angle of rotation High functional reliability The actuator is overload protected, requires no limit switches and automatically stops when the end stop is reached.	Safety notes	
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	High functional reliability	The actuator is overload protected, requires no limit switches and automatically stops when the end stop is reached.
	Flexible signalization	The actuator has one auxiliary switch with a fixed setting and one adjustable auxiliary switch. They permit a 10% or 1190% angle of rotation to be signaled.
	Electrical installation	

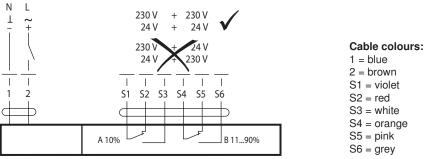
\land	Notes	 Caution: Power supply voltage! Parallel connection of other actuators possible. Observe the performance data.



Electrical installation

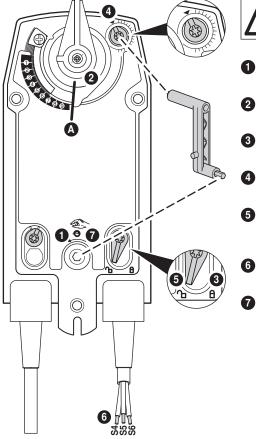
Wiring diagrams

AC 24...240 V / DC 24...125 V, open/close



Operating controls and indicators

Auxiliary switch settings



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Note: Perform settings on the actuator only in deenergised state.

1 Manual override

Turn the hand crank until the desired switching position is set.

2 Spindle clamp

Edge line (A) displays the desired switching position of the actuator on the scale.

3 Fasten the locking device

Turn the locking switch to the "Locked padlock" symbol.

Auxiliary switch

Turn rotary knob until the notch points to the arrow symbol.

5 Unlock the locking device

Turn the locking switch to the "Unlocked padlock" symbol or unlock with the hand crank.

6 Cable

Connect continuity tester to S4 + S5 or to S4 + S6.

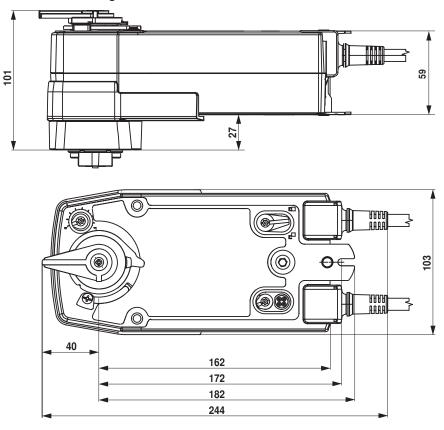
7 Manual override

Turn the hand crank until the desired switching position is set and check whether the continuity tester shows the switching point.



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