

Rotary actuator fail-safe for adjusting dampers in technical building installations

- Air damper size up to approx. 0.5 m²
- Torque motor 2.5 Nm
- · Nominal voltage AC 230 V
- Control Open/close
- · with integrated auxiliary switch



Technical data			
	Floatsiaal data	Name in all colleges	AO 000 V
	Electrical data	Nominal voltage	AC 230 V
		Nominal voltage frequency	50/60 Hz
		Nominal voltage range	AC 85264 V
		Power consumption in operation	2.5 W
		Power consumption in rest position	1.5 W 5 VA
		Power consumption for wire sizing Auxiliary switch	1 x SPDT, 0100%
		Switching capacity auxiliary switch	1 mA3 A (0.5 A inductive), AC 250 V
		Connection supply / control	Cable 1 m, 2 x 0.75 mm ²
		Connection auxiliary switch	Cable 1 m, 3 x 0.75 mm ²
		Parallel operation	Yes (note the performance data)
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	Functional data	Torque motor	2.5 Nm
		Torque fail-safe	2.5 Nm
		Direction of motion motor	selectable by mounting L/R
		Direction of motion fail-safe	selectable by mounting L/R
		Manual override	No
		Angle of rotation	Max. 95°
		Angle of rotation note	adjustable starting at 37% in 2.5% steps (with mechanical end stop)
		Running time motor	75 s / 90°
		Running time fail-safe	<25 s / 90°
		Sound power level, motor	50 dB(A)
		Mechanical interface	Universal shaft clamp 612.7 mm
		Position indication	Mechanical
		Service life	Min. 60'000 fail-safe positions
	Safety	Protection class IEC/EN	II reinforced insulation
		Protection class auxiliary switch IEC/EN	II reinforced insulation
		Degree of protection IEC/EN	IP42
		EMC	CE according to 2014/30/EU
		Low voltage directive	CE according to 2014/35/EU
		Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-14
		Mode of operation	Type 1.AA.B
		Overvoltage category	III
		Rated impulse voltage supply / control	4 kV
		Rated impulse voltage auxiliary switch	4 kV
		Control pollution degree	3
		Ambient temperature	-3050°C
		Storage temperature	-4080°C
		Ambient humidity	Max. 95% r.H., non-condensing
		Comision	maintananaa fuaa

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maintenance-free

1.5 kg

Servicing

Weight

Weight

Rotary actuator fail-safe, Open/close, AC 230 V, 2.5 Nm, with integrated auxiliary switch



Safety notes



- The device must not be used outside the specified field of application, especially not 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 disposed
 of as household refuse. All locally valid regulations and requirements must be
 observed.

Product features

Mode of operation The actuator moves the damper to the operating position at the same time as

tensioning the return spring. The damper is turned back to the safety position by spring

energy when the supply voltage is interrupted.

Simple direct mounting Simple direct mounting on the damper shaft with a universal shaft clamp, supplied with

an anti-rotation device to prevent the actuator from rotating.

Adjustable angle of rotation Adjustable angle of rotation with mechanical end stops.

High functional reliability The actuator is overload protected, requires no limit switches and automatically stops

when the end stop is reached.

Flexible signalization With adjustable auxiliary switch (0...100%)

Accessories

	Description	Туре
Mechanical accessories	Actuator arm	AH-TF
	Shaft extension 170 mm Ø10 mm for damper shaft Ø 616 mm	AV6-20
	Ball joint suitable for damper crank arm KH8 / KH10	KG10A
	Ball joint suitable for damper crank arm KH8	KG8
	Damper crank arm Slot width 8.2 mm, clamping range Ø1018 mm	KH8
	Screw fastening kit	SB-TF
	Angle of rotation limiter, with end stop	ZDB-TF
	Form fit adapter 8x8 mm	ZF8-TF
	Mounting kit for linkage operation for flat and side installation	ZG-TF1
	Anti-rotation mechanism 180 mm, Multipack 20 pcs.	Z-ARS180

Electrical installation



Notes

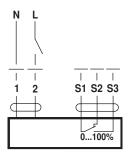
- Caution: Power supply voltage!
- Parallel connection of other actuators possible. Observe the performance data.



Electrical installation

Wiring diagrams

AC 230 V, open/close



Cable colours:

1 = blue

2 = brown

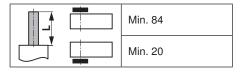
S1 = violet

S2 = red

S3 = white

Dimensions [mm]

Spindle length



Clamping range

<u>OI</u>	♦ I
612.7	612.7

Dimensional drawings

