

Technical data sheet

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

- \bullet Air damper size up to approx. 0.8 m^2
- Torque motor 4 Nm
- Nominal voltage AC 230 V
- Control Open/close



Technical data

Electrical data	Nominal voltage	AC 230 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 198264 V
	Power consumption in operation	5 W
	Power consumption in rest position	3 W
	Power consumption for wire sizing	7 VA
	Power consumption for wire sizing note	Imax 150 mA @ 10 ms
	Connection supply / control	Cable 1 m, 2x 0.75 mm ²
	Parallel operation	Yes (note the performance data)
Functional data	Torque motor	4 Nm
	Torque fail-safe	4 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 37100% with integrated mechanical limitation
	Running time motor	75 s / 90°
	Running time fail-safe	<20 s @ -2050°C / <60 s @ -30°C
	Sound power level, motor	50 dB(A)
	Mechanical interface	Universal shaft clamp 816 mm
	Position indication	Mechanical
	Service life	Min. 60'000 fail-safe positions
Safety data	Protection class IEC/EN	II, reinforced insulation
	Degree of protection IEC/EN	IP54
	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
	Hygiene test	According to VDI 6022 Part 1 / SWKI VA 104-01, cleanable and disinfectable, low emission
	Type of action	Туре 1.В
	Rated impulse voltage supply / control	4 kV
	Pollution degree	3
	Ambient humidity	Max. 95% RH, non-condensing
	Ambient temperature	-3050°C [-22122°F]



Technical data		
Safety data	Storage temperature	-4080°C [-40176°F]
	Servicing	maintenance-free
Weight	Weight	1.6 kg
-		
Safety notes		
	 systems and must not be used outside the or in any other airborne means of transporter of the or in any other airborne means of transporter of the ordition of the or	that no (sea) water, snow, ice, insolation or e device and that it is ensured that the ambient ccording to the data sheet at any time. installation. All applicable legal or institutional with during installation. nufacturer's site. It does not contain any parts tha rice. ifications supplied by the damper manufacturers gn, as well as the installation situation and the nic components and must not be disposed of as
Product features Operating mode		ating position at the same time as tensioning the the safety position by spring energy when the
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 mechanica	al end stops.
High functional reliability	The actuator is overload protected, requires no limit switches and automatically stops when the end stop is reached.	
Accessories		
Electrical accessories	Description	Туре
	Auxiliary switch 2x SPDT	S2A-F
	Feedback potentiometer 1 k Ω	P1000A-F
Mechanical accessories	Description	Туре
	Shaft extension 170 mm ø10 mm for dampe Shaft clamp reversible, clamping range ø16	

Ball joint suitable for damper crank arm KH8 / KH10

Mounting kit for linkage operation for flat installation

Anti-rotation mechanism 180 mm, Multipack 20 pcs.

Damper crank arm Slot width 8.2 mm, clamping range ø10...18 mm

Mounting kit for linkage operation for side installation Slot width 6.2

Actuator arm, clamping range ø8...16 mm, Slot width 8.2 mm

Ball joint suitable for damper crank arm KH8

Angle of rotation limiter, with end stop

Form fit adapter 8x8 mm

mm

KG10A

KG8

KH8

KH-LF

ZDB-LF

ZF8-LF

ZG-LF1

ZG-LF3

Z-ARS180L



Electrical installation

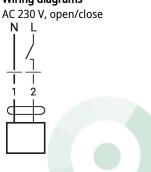


Caution: Power supply voltage! Parallel connection of other actuators possible. Observe the performance data.

Wire colours:

1 = blue 2 = brown

Wiring diagrams



Dimensions

Spindle length

—	Min. 84
	Min. 20

Clamping range

<u>O</u> Ţ	
816	816

