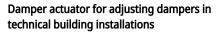


Technical data sheet



- Air damper size up to approx. 0.4 m²
- Torque motor 2 Nm
- Nominal voltage AC 100...240 V
- Control Open/close, 3-point
- Running time motor 35 s



Technical data

Electrical data	Nominal voltage	AC 100240 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 85265 V
	Power consumption in operation	2 W
	Power consumption in rest position	0.5 W
	Power consumption for wire sizing	4 VA
	Connection supply / control	Cable 1 m, 3 x 0.75 mm ²
	Parallel operation	Yes (note the performance data)
Functional data	Torque motor	2 Nm
	Direction of motion motor	selectable with switch 0 (ccw rotation) / 1 (cw rotation)
	Manual override	with push-button, can be locked
	Angle of rotation	Max. 95°
	Angle of rotation note	can be limited on both sides with adjustable mechanical end stops
	Running time motor	35 s / 90°
	Sound power level, motor	40 dB(A)
	Mechanical interface	Universal shaft clamp 620 mm
	Position indication	Mechanically, pluggable
Safety data	Protection class IEC/EN	II, reinforced insulation
	Protection class UL	II, reinforced insulation
	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2
	Enclosure	UL Enclosure Type 2
	ЕМС	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
	UL Approval	cULus according to UL60730-1A, UL60730-2-14 and CAN/CSA E60730-1
		The UL marking on the actuator depends on the production site, the device is UL-compliant
		in any case
	Mode of operation	Type 1
	Rated impulse voltage supply / control	2.5 kV
	Pollution degree	3
	Ambient humidity	Max. 95% RH, non-condensing
	Ambient temperature	-3050°C [-22122°F]
	Storage temperature	-4080°C [-40176°F]
	Servicing	maintenance-free
	-	



Weight	Weight	0.41 kg	
Safety notes			
	 systems and must not in any other airborne if Outdoor application: or aggressive gases inter conditions remain with Caution: Power supply Only authorised special installation regulation The device may only b can be replaced or rep Cables must not be re To calculate the torque concerning the cross-s conditions must be ob The device contains el 	nly possible in case that no (sea) water, snow fere directly with the device and that it is en- nin the thresholds according to the data shee voltage! alists may carry out installation. All applicable is must be complied during installation. the opened at the manufacturer's site. It does aired by the user. moved from the device. the required, the specifications supplied by the ection, the design, the installation situation	ition, especially in aircraft or v, ice, insolation or sured that the ambient et at any time. e legal or institutional not contain any parts that damper manufacturers and the ventilation
Product features			
Simple direct mounting		on the damper shaft with a universal shaft c nt the actuator from rotating.	amp, supplied with an anti-
Manual override	Manual override with public button is pressed or ren	ish-button possible (the gear train is disenga nains locked).	aged for as long as the
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.		
Accessories			
Electrical accessories	Description		Туре
	Auxiliary switch 1 x SPD Auxiliary switch 2 x SPD Feedback potentiomete	۲ add-on	S1A S2A P140A

Feedback potentiometer 200 $\boldsymbol{\Omega}$ add-on

Feedback potentiometer 500 Ω add-on Feedback potentiometer 1 k Ω add-on

Feedback potentiometer 2.8 k Ω add-on

Feedback potentiometer 5 k Ω add-on

Feedback potentiometer 10 $k\Omega$ add-on

P200A

P500A

P1000A

P2800A P5000A

P10000A



Technical data sheet

Mechanical accessories	Description	Туре
	Shaft extension 170 mm Ø10 mm for damper shaft Ø 616 mm	AV6-20
	Shaft clamp one-sided, clamping range Ø620 mm, Multipack 20 pcs.	K-ELA
	Shaft clamp one-sided, clamping range Ø610 mm, Multipack 20 pcs.	K-ELA10
	Shaft clamp one-sided, clamping range Ø613 mm, Multipack 20 pcs.	K-ELA13
	Shaft clamp one-sided, clamping range Ø616 mm, Multipack 20 pcs.	K-ELA16
	Anti-rotation mechanism 180 mm, Multipack 20 pcs.	Z-ARS180
	Form fit insert 8x8 mm, Multipack 20 pcs.	ZF8-LMA
	Form fit insert 10x10 mm, Multipack 20 pcs.	ZF10-LMA
	Form fit insert 12x12 mm, Multipack 20 pcs.	ZF12-LMA
	Form fit insert 8x8 mm, with angle of rotation limiter and position indication, Multipack 20 pcs.	ZFRL8-LMA
	Form fit insert 10x10 mm, with angle of rotation limiter and position indication, Multipack 20 pcs.	ZFRL10-LMA
	Form fit insert 12x12 mm, with angle of rotation limiter and position indication, Multipack 20 pcs.	ZFRL12-LMA

AC 230 V, 3-point Ν

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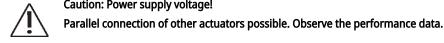
Cable colours:

1 = blue

2 = brown

3 = white

Electrical installation



Cable colours:

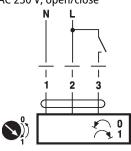
1 = blue

2 = brown

3 = white

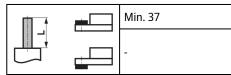
Caution: Power supply voltage!

Wiring diagrams AC 230 V, open/close



Dimensions

Spindle length



Clamping range

OI		
620	≥6	≤20

