

Technical data sheet

Damper actuator for adjusting dampers in technical building installations

- \bullet Air damper size up to approx. 1.5 m^2
- Torque motor 8 Nm
- Nominal voltage AC 100...240 V
- Control Open/close, 3-point
- Running time motor 20 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	3 W	
	Power consumption in rest position	1 W	
	Power consumption for wire sizing	5.5 VA	
	Connection supply / control	Cable 1 m, 3 x 0.75 mm ²	
	Parallel operation	Yes (note the performance data)	
Functional data	Torque motor	8 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	20 s / 90°	
	Sound power level, motor	55 dB(A)	
	Mechanical interface	Universal shaft clamp reversible 1020 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	
	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	
	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	4 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	



Technical data sheet

NMD230A

Weight	Weight	0.87 kg
C-Set-mater		
Safety notes		
Â		evice and that it is ensured that the ambient rding to the data sheet at any time. callation. All applicable legal or institutional ring installation. acturer's site. It does not contain any parts that ations supplied by the damper manufacturers installation situation and the ventilation components and must not be disposed of as
Product features		
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.	
Manual override	Manual override with push-button possible (the gear train is disengaged for as long as the button is pressed or remains locked).	
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 SPDT add-on	S1A
	Auxiliary switch 2 x SPDT add-on	S2A
	Feedback potentiometer 140 Ω add-on	P140A
	Feedback potentiometer 200 Ω add-on	P200A
	Feedback potentiometer 500 Ω add-on	P500A
	Feedback potentiometer 1 k Ω add-on	P1000A
	Estable als materials material 2.0 kO add an	D20004

Feedback potentiometer 2.8 k Ω add-on Feedback potentiometer 5 k Ω add-on

Feedback potentiometer 10 k Ω add-on

P2800A

P5000A

P10000A



Technical data sheet

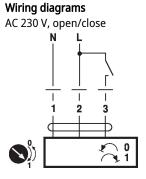
Mechanical accessories	Description	Туре
	Actuator arm for standard shaft clamp (reversible)	AH-20
	Shaft extension 240 mm Ø20 mm for damper shaft Ø 1221 mm CrNi	AV12-25-I
	Shaft extension 240 mm Ø20 mm for damper shaft Ø 822.7 mm	AV8-25
	Ball joint suitable for damper crank arm KH8, Multipack 10 pcs.	KG8
	Ball joint suitable for damper crank arm KH8 / KH10, Multipack 10 pcs.	KG10A
	Damper crank arm Slot width 8.2 mm, clamping range Ø1018 mm	KH8
	Shaft clamp one-sided, clamping range Ø826 mm, Multipack 20 pcs.	K-ENSA
	Anti-rotation mechanism 180 mm, Multipack 20 pcs.	Z-ARS180
	Form fit insert 10x10 mm, Multipack 20 pcs.	ZF10-NSA
	Form fit insert 12x12 mm, Multipack 20 pcs.	ZF12-NSA
	Form fit insert 15x15 mm, Multipack 20 pcs.	ZF15-NSA
	Form fit insert 16x16 mm, Multipack 20 pcs.	ZF16-NSA
	Position indicator, Multipack 20 pcs.	Z-PI
	Shaft clamp one-sided, clamping range Ø826 mm with insert, Multipack 20 pcs.	K-ENMA
	Shaft clamp reversible, clamping range Ø820 mm	K-NA
	Form fit insert 8x8 mm, Multipack 20 pcs.	ZF8-NMA
	Base plate extension for NMA to NM	Z-NMA

Electrical installation

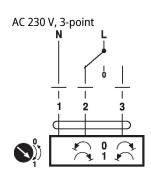


Caution: Power supply voltage!

Parallel connection of other actuators possible. Observe the performance data.



Cable colours: 1 = blue 2 = brown 3 = white



Cable colours: 1 = blue 2 = brown 3 = white

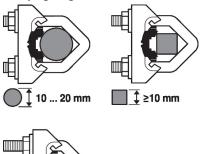


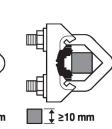
Spindle length

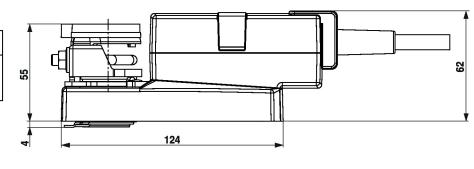
rin +	Min. 48
	Min. 20

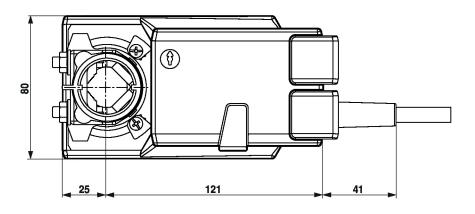
Clamping range

≤20 mm









When using a round shaft made of CrNi (INOX): Ø 12...20 mm