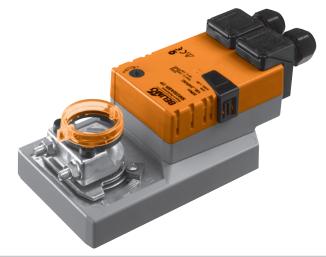


Technical data sheet

Modulating damper actuator for adjusting air dampers in ventilation and air-conditioning systems for building services installations

- For air dampers up to approx. 4 m²
- Torque 20 Nm
- Nominal voltage AC 100 ... 240 V
- Control: Modulating DC 0 ... 10 V
 Position feedback DC 2 ... 10 V
- with connecting terminals



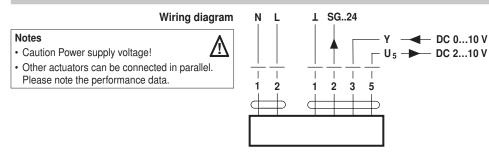
Technical data

Electrical data	Nominal voltage	AC 100 240 V, 50/60 Hz
	Nominal voltage range	AC 85 265 V
	Power consumption In operation	2.5 W @ nominal torque
	At rest	0.6 W
	For wire sizing	6 VA
	Connection Power supply	Terminals 4 mm ² (Cable \varnothing 4 10 mm, 2-core)
	Signals	Terminals 4 mm ² (Cable \varnothing 4 10 mm, 4-core)
Functional data	Torque (nominal torque)	Min. 20 Nm @ nominal voltage
	Control Control signal Y	DC 0 10 V, typical input impedance 100 k Ω
	Operating range	DC 2 10 V
	Position feedback (Measuring voltage U)	DC 2 10 V, max. 1 mA
	Auxiliary supply	DC 24 V ±30%, max. 10 mA
	Position accuracy	±5%
	Direction of rotation	Reversible with switch 0 / 1
	Direction of motion at Y = 0 V	In switch position 0 🍋 resp. 1 🔿
	Manual override	Gearing latch disengaged with pushbutton, can be locked
	Angle of rotation	Max. 95°⊄, can be limited at both ends with adjustable
		mechanical end stops
	Running time	150 s / 90°∢
	Sound power level	Max. 45 dB (A)
	Position indication	Mechanical, pluggable
Safety	Protection class	II Totally insulated 🗆
	Degree of protection	IP54 in any mounting position
		NEMA 2, UL Enclosure Type 2
	EMC	CE according to 2004/108/EC
	Low voltage directive	CE according to 2006/95/EC
	Certification	cULus according to UL 60730-1A and UL 60730-2-14
		and CAN/CSA E60730-1:02
	Made of exercise	Certified to IEC/EN 60730-1 and IEC/EN 60730-2-14
	Mode of operation	
	Rated impulse voltage	2.5 kV 3
	Control pollution degree	
	Ambient temperature range	<u>-30 +50 ° C</u> -40 +80 ° C
	Non-operating temperature	
	Ambient humidity range	95% r.h., non-condensating
	Maintenance	Maintenance-free
Dimensions / Weight	Dimensions	See «Dimensions» on page 3
	Weight	Approx. 1.05 kg

Modulating damper actuator, AC 100 \dots 240 V, 20 Nm, with connecting terminals



Safety notes		
	 The actuator is not allowed to be used outside the specifie aircraft or any other form of air transport. Assembly must be carried out by trained personnel. Any let issued by authorities must be observed during assembly. Caution Power supply voltage! The device may only be opened at the manufacturer's site. can be replaced or repaired by the user. When calculating the required torque, the specifications sup (cross section, design, installation site), and the air flow con The device contains electrical and electronic components of as household refuse. All locally valid regulations and re 	egal regulations or regulations It does not contain any parts that plied by the damper manufacturers ditions must be observed. and is not allowed to be disposed
Product features		
Mode of operation	The actuator is controlled with a standard modulating signal of DC 0 10 V and travels to the position defined by the control signal. Measuring voltage U serves for the electrical display of the damper position 0 100% and as slave control signal for other actuators.	
Simple direct mounting	Simple direct mounting on the damper spindle with a universal spindle clamp, supplied with an anti-rotation strap to prevent the actuator from rotating.	
Manual override	Manual override with push-button possible (the gear 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-proof, requires no limit switches and automatically stops when the end stop is reached.	
Accessories		
	Description	Data sheet
Electrical accessories	Auxiliary switch SA Feedback potentiometer PA Position sensor SGA24, SGE24 and SGF24	T2 - SA T2 - PA T2 - SG24



Modulating damper actuator, AC 100 \dots 240 V, 20 Nm, with connecting terminals



Dimensions [mm]

Dimensional drawings

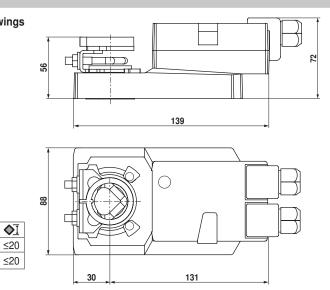
01

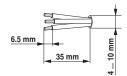
10 ... 20 ¹⁾

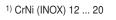
10 ... 20 ¹⁾

≥10 ≤20

≥10





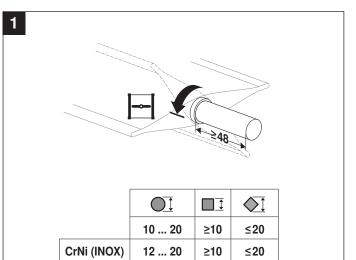


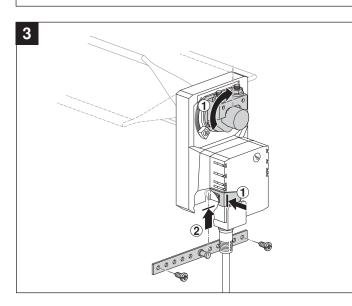
Damper spindle Length

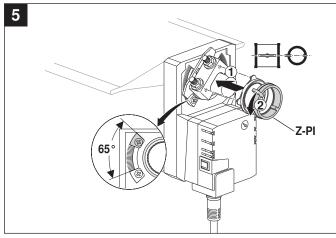
≥48

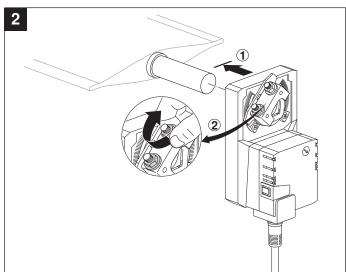
≥20

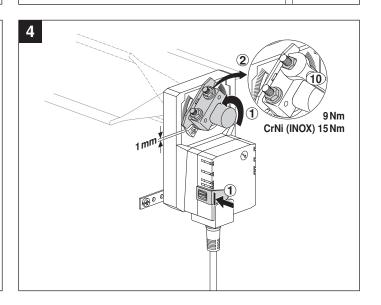


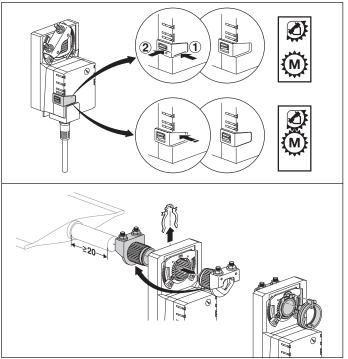














SM..A..



