

Technical data sheet

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

- ${\scriptstyle \bullet}$ For air dampers up to approx. 0.4 m^2
- Torque 2 Nm
- Nominal voltage AC 100 ... 240 V
- Control: modulating DC 0 ... 10 V
- Position feedback DC 2 ... 10 V
- Running time 35 s

Technical data

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Electrical data	Nominal voltage	AC 100 240 V, 50/60 Hz
	Nominal voltage range	AC 85 265 V
	Power consumption In operation	2 W @ nominal torque 1 W
	At rest For wire sizing	3.5 VA
	Connection Power supply	Cable 1 m, 2 x 0.75 mm ²
	Signals	Cable 1 m, 4 x 0.75 mm ²
Functional data	Torque (nominal torque)	≥2 Nm @ nominal voltage
	Control Control signal Y	DC 0 10 V, typical input impedance 100 kΩ
	Operating range	DC 2 10 V
	Position feedback (Measuring voltage U)	DC 2 10 V, ≤1 mA
	Auxiliary supply	DC 24 V ±30%, ≤10 mA
	Position accuracy	±5%
	Direction of rotation	Reversible with switch 0 ℓ or 1 →, respectively
	Direction of rotation at Y = 0 V	At switch position C or C, respectively
	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	35 s / 90°∢
	Sound power level	≤35 dB (A)
	Position indication	Mechanical, pluggable
Safety	Protection class	II Totally insulated 🗆
	Degree of protection	IP54
		NEMA 2, UL Enclosure Type 2
	EMC	CE according to 2004/108/EC
	Low voltage directive	CE according to 2006/95/EC
	Certification	Certified to IEC/EN 60730-1 and IEC/EN 60730-2-14
		cULus according to UL 60730-1A and UL 60730-2-14 and CAN/CSA E60730-1:02
	Mode of operation	Type 1
	Rated impulse voltage	4 kV
	Control pollution degree	3
	Ambient temperature range	–30 +50 °C
	Non-operating temperature	-40 +80 ° C
	Ambient humidity range	95% r.H., non-condensating
	Maintenance	Maintenance-free
Dimensions / Weight	Dimensions	See «Dimensions» on page 2
	Weight	Approx. 700 g

Safety notes

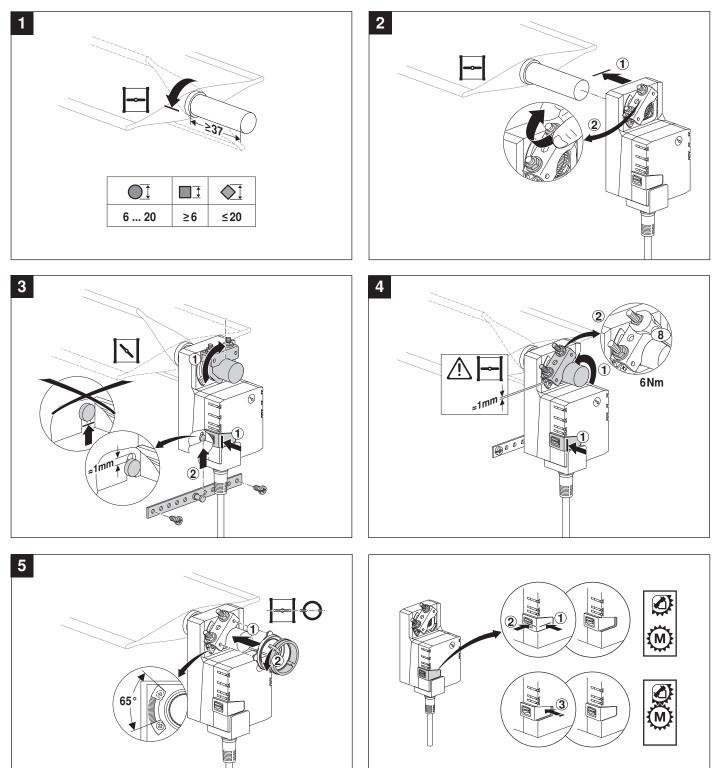


- The actuator is not allowed to be used outside the specified field of application, especially in aircraft or any other form of air transport.
- Caution: Power supply voltage!
- It may only be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities must be observed 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.
- The cable must not be removed from the device.

ntinued) hen calculating the required torque, the specifications supplied by the ross section, design, installation site), and the air flow conditions mu- ne device contains electrical and electronic components and is not as household refuse. All locally valid regulations and requirements actuator is controlled by means of a standard control signal DC 0 ition dictated by this signal. The measuring voltage U allows the dam e electrically indicated and serves as a follow-up control signal for ot ple direct mounting on the damper spindle with a universal spindle c rotation strap to prevent the actuator from rotating. nual override with push-button possible (the gear is disengaged for a seed or remains locked). ustable angle of rotation with mechanical end stops. actuator is overload-proof, requires no limit switches and automatica is reached. cription liary switch S.A dback potentiometer P.A tioner SGA24, SGE24 und SGF24 ous accessories	st be observed. allowed to be disposed s must be observed. 10 V. It opens to the oper position (0 100%) her actuators. lamp, supplied with an s long as the button is
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	2=red 3=white 5=orange



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