

# **Technical data sheet**

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

- For air dampers up to approx. 4 m<sup>2</sup>
- Torque 20 Nm
- Nominal voltage AC/DC 24 V
- Control: Open-close or 3-point
- with integrated auxiliary switch



# **Technical data**

Electrical data	Nominal voltage	AC 24 V, 50/60 Hz / DC 24 V
	Nominal voltage range	AC 19.2 28.8 V / DC 21.6 28.8 V
	Power consumption In operation	2 W @ nominal torque
	At rest	0.2 W
	For wire sizing	4 VA
	Auxiliary switch	1 x SPDT, 1 mA 3 (0.5) A, AC 250 V 🗆 (0 100% adjustable)
	Connection Motor	Cable 1 m, 3 x 0.75 mm <sup>2</sup>
	Auxiliary switch	Cable 1 m, 3 x 0.75 mm <sup>2</sup>
Functional data	Torque (nominal torque)	Min. 20 Nm @ nominal voltage
	Direction of rotation	Reversible with switch 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	III Safety extra-low voltage / UL Class 2 Supply
	Degree of protection	IP54 in any mounting position
		NEMA 2, UL Enclosure Type 2
	EMC	CE according to 2004/108/EC
	Certification	cULus according to UL 60730-1A and UL 60730-2-14 and CAN/CSA E60730-1:02 Certified to IEC/EN 60730-1 and IEC/EN 60730-2-14
	Mode of operation	Type 1
	Rated impulse voltage	0.8 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
Ũ	Weight	Approx. 1.1 kg

#### 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.

- Assembly must be carried out by trained personnel. Any legal regulations or regulations issued by authorities must be observed during assembly.
- 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.
- When calculating the required torque, the specifications supplied by the damper manufacturers (cross section, design, installation site), and the air flow conditions must be observed.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

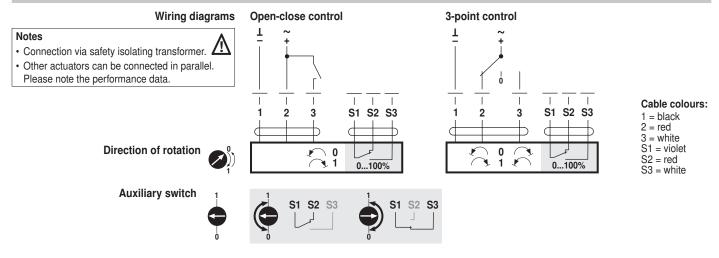
Damper actuator, AC/DC 24 V, 20 Nm, with integrated auxiliary switch



Product features		
Simple direct mounting	Simple direct mounting on the damper spindle with a universal spindle cla anti-rotation strap to prevent the actuator from rotating.	amp, supplied with an
Manual override	Manual override with push-button possible (the gear is disengaged for as pressed or remains locked).	long as the button is
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.	
Flexible signalization	Flexible signalization with adjustable auxiliary switch (0 100%).	
Accessories		
	Description	Data shoot

	Description	Data sheet
Electrical accessories	Auxiliary switch SA	T2 - SA
	Feedback potentiometer PA.	T2 - PA
Mechanical accessories	Various accessories (clamps, shaft extensions etc.)	T2 - Z-SMA

### **Electrical installation**



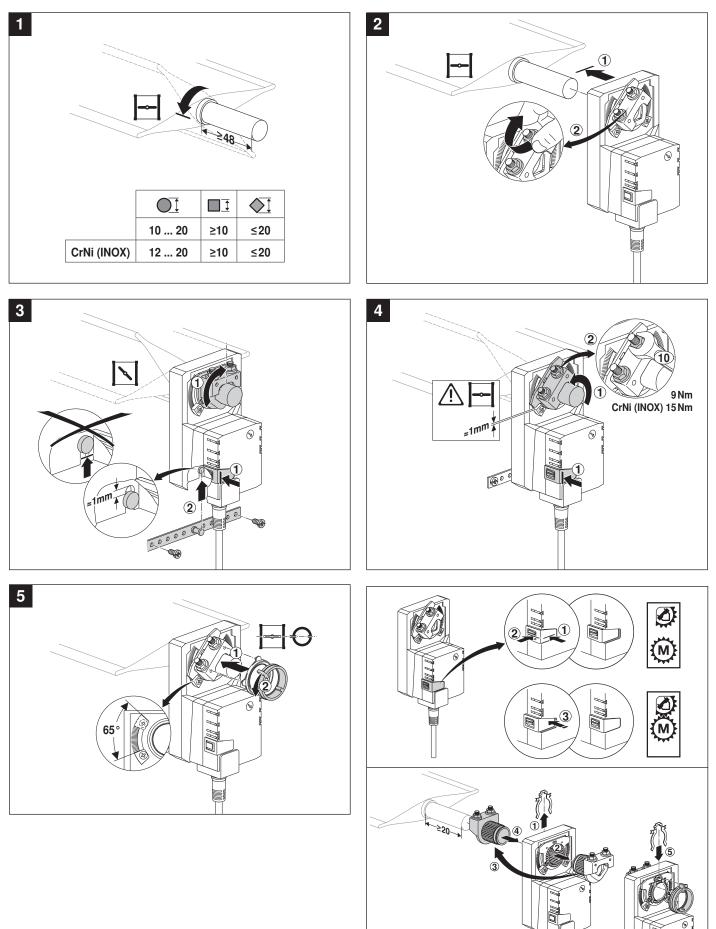
# **Dimensions** [mm]

**Dimensional drawings** 64 тb 머 56 139 88 Damper spindle Length OI**♦**] 10 ... 20 <sup>1)</sup> ≥10 ≥48 ≤20 10 ... 20 <sup>1)</sup> ≥10 ≥20 ≤20 30 109 41

1) CrNi (INOX) 12 ... 20



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