

Damper actuator for adjusting dampers in technical building installations

- Air damper size up to approx. 0.4 m²
- Nominal torque 2 Nm
- Nominal voltage AC/DC 24 V
- Control Open-close, 3-point
- Spindle driver Form fit 8x8 mm
- With connecting terminals


Technical data

Electrical data	Nominal voltage	AC/DC 24 V	
	Nominal voltage frequency	50/60 Hz	
	Nominal voltage range	AC 19.2...28.8 V / DC 19.2...28.8 V	
	Power consumption in operation	0.5 W	
	Power consumption in rest position	0.2 W	
	Power consumption for wire sizing	1 VA	
	Connection supply / control	Terminals 1.5 mm ² Cu wire or 1.0 mm ² Cu strands (3-wire)	
	Parallel operation	Yes (note the performance data)	
	Functional data	Torque motor	Min. 2 Nm
		Direction of motion motor	cw rotation
Manual override		Gear disengagement with magnet	
Angle of rotation		0...287.5°	
Angle of rotation note		Without limitation: endless With one end stop clip Z-ESCM: 315°	
Running time motor		75 s / 90°	
Sound power level motor		35 dB(A)	
Spindle driver		Form fit 8x8 mm	
Position indication		Mechanically, pluggable (with integrated magnet for gear disengagement)	
Safety		Protection class IEC/EN	III Safety extra-low voltage
	Protection class UL	UL Class 2 Supply	
	Degree of protection IEC/EN	IP20	
	Degree of protection NEMA/UL	NEMA 1, UL Enclosure Type 1	
	EMC	CE according to 2004/108/EC	
	Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-14	
	Certification UL	cULus according to UL 60730-1A, UL 60730-2-14 and CAN/CSA E60730-1:02	
	Mode of operation	Type 1	
	Rated impulse voltage supply / control	0.8 kV	
	Control pollution degree	2	
Weight	Ambient temperature	-30...50°C	
	Non-operating temperature	-40...80°C	
	Ambient humidity	95% r.h., non-condensing	
	Maintenance	Maintenance-free	
	Weight	0.25 kg	

Safety notes


- The device must not be used outside the specified field of application, especially not in aircraft or in any other airborne means of transport.
- Outdoor application: only possible in case that no (sea)water, snow, ice, insolation or aggressive gases interfere directly with the actuator and that is ensured that the ambient conditions remain at any time within the thresholds according to the data sheet.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied 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.

Safety notes

- To calculate the torque required, the specifications supplied by the damper manufacturers concerning the cross-section, the design, the installation site and the ventilation conditions must be observed.
- The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Product features

- Simple direct mounting** The actuator with its hollow spindle is mounted in a form-fit manner directly on the damper spindle (8 mm) and can be optionally secured with the Z-ARCM anti-rotation clip to prevent it from rotating.
- Manual override** Manual override with magnet possible (the gear is disengaged as long as the magnet adheres to the magnet symbol). The magnet for gear disengagement is integrated in the position indication.
- High functional reliability** The actuator is overload protected, requires no limit switches and automatically stops when the end stop is reached.
- Adjustable angle of rotation** Adjustable angle of rotation with mechanical end stops.

Accessories

	Description	Type
Mechanical accessories	Anti-rotation clip for CM..	Z-ARCM
	Magnet disengagement	Z-MA
	Position indicator CM..	Z-PICM

Electrical installation

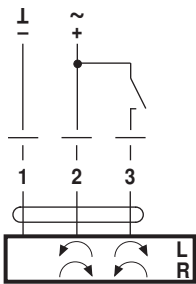


Notes

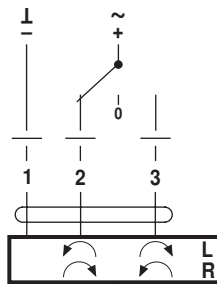
- Connection via safety isolating transformer.
- Parallel connection of other actuators possible. Observe the performance data.

Wiring diagrams

AC/DC 24 V, open-close



AC/DC 24 V, 3-point



Dimensions [mm]

Spindle length

		Min. 25
		-

Dimensional drawings

