

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


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 | Cable 1 m, 3 x 0.75 mm ² |
| Parallel operation | Yes (note the performance data) | |
| Functional data | Torque motor | Min. 2 Nm |
| | Direction of motion motor | ccw rotation |
| | Manual override | 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 | Universal spindle clamp 6...12.7 mm |
| | Position indication | Mechanically, pluggable (with integrated magnet for gear disengagement) |
| | Safety | Protection class IEC/EN |
| Protection class UL | | UL Class 2 Supply |
| Degree of protection IEC/EN | | IP54 |
| Degree of protection NEMA/UL | | NEMA 2, UL Enclosure Type 2 |
| EMC | | CE according to 2014/30/EU |
| 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 | | 3 |
| Ambient temperature | | -30...50 °C |
| Non-operating temperature | | -40...80 °C |
| Ambient humidity | | 95% r.h., non-condensing |
| Maintenance | Maintenance-free | |
| Weight | Weight | 0.28 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.
- Cables must not be removed from the device.

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 is mounted directly on the damper spindle (\varnothing 6...12.7 mm) with an universal spindle clamp and then secured with the anti-rotation device supplied, 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.
- 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

| | Description | Type |
|-------------------------------|---|--------|
| Mechanical accessories | Anti-rotation clip for CM.. | Z-ARCM |
| | Magnet disengagement | Z-MA |
| | Position indicator CM.. | Z-PICM |
| | End stop clips CM.. / CQ.. | Z-ESCM |
| | Shaft extension 170 mm, for damper spindles \varnothing 6...20 mm | AV6-20 |

Electrical installation

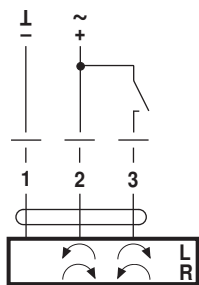


Notes

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

Wiring diagrams

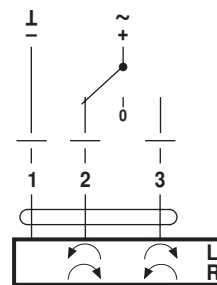
AC/DC 24 V, open-close



Cable colours:

- 1 = black
- 2 = red
- 3 = white

AC/DC 24 V, 3-point



Cable colours:

- 1 = black
- 2 = red
- 3 = white

Dimensions [mm]

Spindle length

| | |
|--|---------|
| | Min. 32 |
| | - |

Clamping range

| | | |
|----------|------------|----------|
| | | |
| 6...12.7 | 6 / 8 / 10 | 6...12.7 |

Dimensional drawings

