

Actuator for smoke control dampers
90°

- Nominal torque 15 Nm
- Nominal voltage AC 230 V
- Control Open-close
- Spindle driver Form fit 12 mm


Technical data

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| Electrical data | Nominal voltage | AC 230 V |
| | Nominal voltage range | AC 198...264 V |
| | Switching thresholds min. ON voltage | AC 198 V |
| | Switching thresholds max. OFF voltage | AC 100 V |
| | Power consumption in operation | 5 W |
| | Power consumption in rest position | <1 W |
| | Power consumption for wire sizing | 12 VA |
| | Power consumption for wire sizing note | I _{max} 6 A @ 5 ms |
| | Auxiliary switch | 2 x SPDT |
| | Switching capacity auxiliary switch | 1 mA...3 (0.5) A, DC 5 V...AC 250 V (II Protective insulated) |
| | Switching points auxiliary switch | 3° / 87° |
| | Tolerance | ±2° |
| | Connection supply | Cable 1 m, 3 x 0.75 mm ² , halogen-free |
| | Connection auxiliary switch | Cable 1 m, 6 x 0.75 mm ² , halogen-free |
| Functional data | Torque motor | Min. 15 Nm |
| | Inhibiting torque dynamic | 15 Nm |
| | Inhibiting torque static (voltage-free) | 20 Nm |
| | Direction of rotation motor | Can be selected by mounting L/R |
| | Angle of rotation | Max. 105°, (including mechanical overrun at both sides) |
| | Running time motor | <30 s / 90° |
| | Sound power level motor | 62 dB(A) |
| | Spindle driver | Form fit 12 mm |
| | Position indication | Mechanically, with pointer |
| | Service life | Min. 10,000 cycles |
| | Safety | Protection class IEC/EN |
| Degree of protection IEC/EN | | IP54 |
| EMC | | CE according to 2004/108/EC |
| Low voltage directive | | CE according to 2006/95/EC |
| Certification IEC/EN | | IEC/EN 60730-1 and IEC/EN 60730-2-14 |
| Mode of operation | | Type 1.B |
| Rated impulse voltage supply | | 4 kV |
| Rated impulse voltage auxiliary switch | | 4 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 | 1.6 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.
- Caution: Power supply voltage!

Safety notes

- The actuator is adapted to and installed on the smoke control damper by the damper manufacturer. For this reason, the actuator is only supplied direct to safety damper manufacturers. The manufacturer then bears full responsibility for the proper functioning of the damper.
- 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 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

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| Mode of operation | 2-wire open-close control. The actuator is overload-proof and can thus remain energised even at the end stops. |
| Signalling | Two microswitches with fixed settings are installed in the actuator for indicating the damper end positions. It should be noted with this application however that the contacts can no longer be used in the milliampere range after larger currents have been applied to them, even if this has taken place only once. The position of the damper blade can be read off on a mechanical position indication. |
| Manual operation | The hand crank included in the shipment can be used for manual operation of the actuator. |
| Standards / regulations | The design of the actuator is based on the specific requirements from the European standards: <ul style="list-style-type: none"> • EN 12101-8:2011 Smoke and heat control systems - Part 8: Smoke control dampers • EN 1366-10:2011 Fire resistance tests on service installations - Part 10: Smoke control dampers • EN 13501-4:2010 Fire classification of construction products and building elements - Part 4: Classification using data from fire resistance tests on components of smoke control systems |

Electrical installation

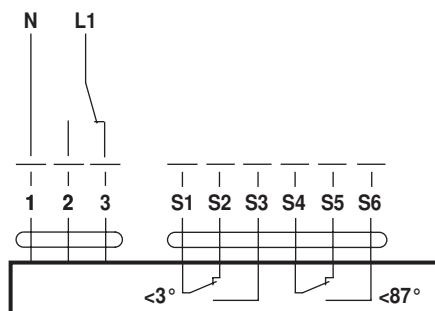


Notes

- Caution: Power supply voltage!
- Parallel connection of other actuators possible. Observe the performance data and the switching thresholds.

Wiring diagrams

AC 230 V, open-close



Dimensions [mm]

Dimensional drawings

