

Technical data sheet

362-230-40-S2/8Fx

Smoke actuator without spring return

Description

Actuator for adjusting smoke dampers of 90° angle of rotation to be used in HVAC installations

- Running time Motor 60 s / 90°
- Torque Motor 40 Nm
- Nominal Voltage 230 VAC/DC
- Control 2 Point
- Auxiliary switch 2x fixed, not adjustable
- Damper shaft adaption
form fit 8 mm (8F 8)
form fit 10 mm (8F10)
form fit 12 mm (8F12)
form fit 14 mm (8F14)



Technical data

Electrical data

Nominal voltage	230 VAC/DC
Nominal voltage range	85...265 VAC/DC
Power consumption motor (motion)	8,5 W
Power consumption standby (end position)	1,5 W
Wire sizing	14,0 VA
Control	2 Point
Auxiliary switch	2 x SPDT (AgAu)
Contact load	1 mA...5 (2,5) A, 5...250 VDC
Switching point	5° / 80° @ 0°...+95°
Thermal tripping device	-
Temperature TF1	-
Temperature TF2	-
Connection Motor	Cable 1000 mm, 3 x 0,75 mm ² (halogen free)
Connection Auxiliary switch	Cable 1000 mm, 6 x 0,75 mm ² (halogen free)
Connection GUAC	-

Functional data

Torque Motor	> 40 Nm
Synchronised speed	±5%
Direction of rotation	selected by mounting
Manual override	Manual override
Angle of rotation	0°...max. 95°
Running time Motor	60 s / 90°
Sound power level Motor	< 60 dB(A)
Damper coupling	form fit 8 mm (8F 8) form fit 10 mm (8F10) form fit 12 mm (8F12) form fit 14 mm (8F14)

Technical data

Functional data

Position indication	mechanical with pointer
Service life	> 60.000 cycles (0°...+95°...0°)

Safety

Protection class	II (double insulation)
Degree of protection	IP54
EMC	CE (2004/108/EG)
LVD	CE (2006/95/EG)
RoHS	CE (2011/65/EU)
Mode of operation	Typ 1.AA B (EN 60730-1)
Rated impulse voltage	4 kV (EN 60730-1)
Control pollution degree	3 (EN 60730-1)
Ambient temperature normal operation	-30°C...+50°C
Ambient temperature safety operation	see "Operating mode / Properties"
Storage temperature	-30°C...+80°C
Ambient humidity	5...95% r.H., non condensing (EN 60730-1)
Maintenance	maintenance free

Dimensions/ Weight

Dimensions	193 x 96 x 70 mm
Weight	2400 g

Operating mode / Properties

Operating mode

Through connecting the power supply to BU+BN (1+2) moves the actuator to position 1. Is also BK (1+2+3) connected to the power supply the actuator is moving to position 0.

The actuator is overload-proof, requires no limit switches and automatically stops when the end stop is reached.

Direct mounting

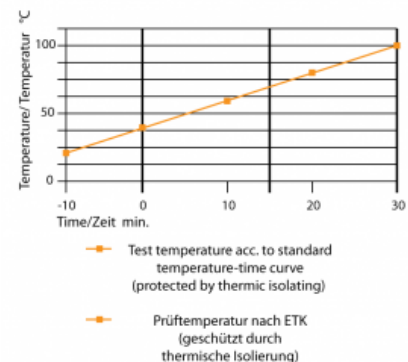
Simple direct mounting on the damper spindle with formlock, supplied with anchoring supports to prevent the actuator from rotating.

Signaling

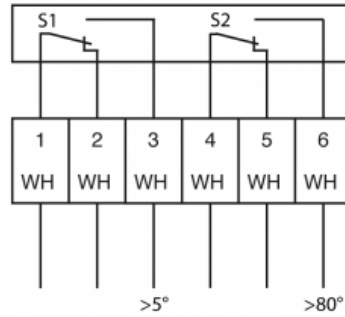
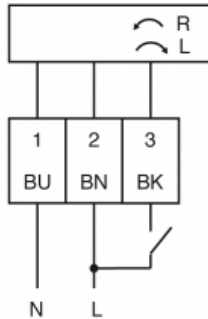
The two integrated auxiliary swithes are activated at he fixed switching positions (<5° and >80°). The damper position can be checked by the mechanical pointer.

Safety function

The safety function is guaranteed within the temperature range shown in the diagram below which is based on standard ÖNORM H 6029 and DIN 18232.



Connection / Safety remarks

**Safety remarks**

- Connect via safety isolation transformer
- The actuator is not allowed to be used outside the specified field of application, especially in airplanes.
- It may only be installed by suitably 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.
- 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 actuator is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Technical drawing

