

Technical data sheet

362-230-40-S2/8Fx
Smoke actuator
without spring return

Description

Rotary actuator for adjusting smoke control dampers in HVAC installations

- Running time60 s / 90°
- Torque40 Nm
- Nominal voltage230 VAC/DC
- Control2-point
- Auxiliary switch2x fixed, not adjustable
- Shaft couplingform 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, 50/60 Hz
	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
	Wire sizing note	
	Control	2-point
	Feedback signal	-
	Auxiliary switch	2 x SPDT (AgAu)
	Contact load	1 mA...5 (2,5) A, 5...250 VDC
	Switching point	5° / 80°
	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

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Functional data	Torque spring	-
	Synchronized speed	±5%
	Direction of rotation	selected by mounting
	Manual override	manual override
	Angle of rotation	0°...max. 95°
	Running time motor	60 s / 90°
	Running time spring	-
	Sound power level motor	< 60 dB(A)
	Sound power level spring	-
	Shaft coupling	form fit 8 mm (8F 8) form fit 10 mm (8F10) form fit 12 mm (8F12) form fit 14 mm (8F14)
	Position indication	mechanical with pointer
	Service life	> 60 000 cycles (0°...95°...0°)
	Thermal tripping device	-
	Temperature TF1	-
	Temperature TF2	-
Safety	Protection class	II (double insulation)
	Degree of protection	IP 54
	EMC	CE (2014/30/EU)
	LVD	CE (2014/35/EU)
	RoHS	CE (2011/65/EU - 2015/863/EU - 2017/2102/EU)
	Mode of operation	Typ 1 (EN 60730-1)
	Rated impulse voltage supply / control	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	1800 g

Functionality / Properties

Operating mode

Connect power supply to wire 1+2, actuator drives to position 1. Is also wire 3 connected to the power supply, actuator drives 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 shaft with a form fit, protection against rotating with enclosed anti-rotation lock or rather at intended attachment points.

Manual override

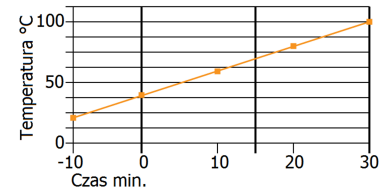
The actuator can only be operated manually while the power supply is off. The supplied lever is used to open and lock the damper position. The lock stays until the power supply is switched on again.

Signaling

The two integrated auxiliary switches are activated at the fixed switching positions ($> 5^\circ$ and $> 80^\circ$). The damper position can be checked by the mechanical pointer.

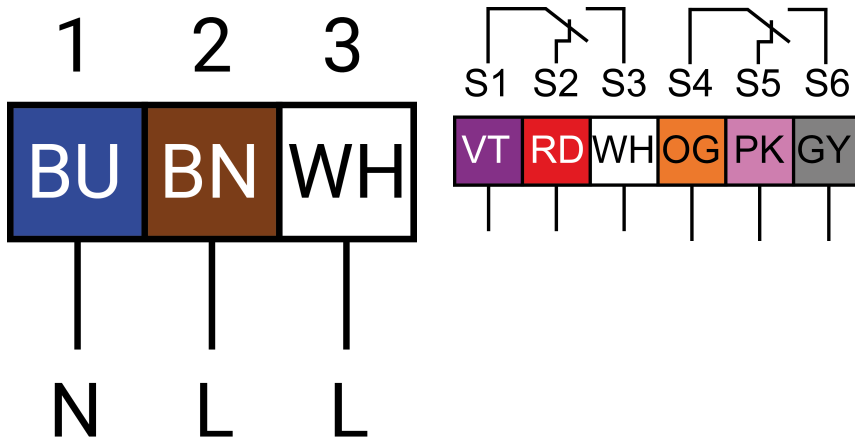
Safety function

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.



— Badanie temperatury wg standardu temperatury i czasu łuka (Chronione przez izolowanie termiczne)

Connector / Security Note



Safety remarks

- Caution: power supply voltage!
- The device 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.
- The device is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.
- When calculating the required torque, the specifications supplied by the damper manufacturer's (cross-section, design, installation site), and the air flow conditions must be observed.
- The device is adapted and mounted to the fire and smoke damper by the damper manufacturer. For this reason, the device is only supplied direct to safety damper manufacturer. the manufacturer then bears full responsibility for the proper functioning of the damper.

Technical Drawing

