

## Technical data sheet

### 342-024-15-S2/8Fx

#### Smoke actuator without spring return

##### Description

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

- Torque Motor 15 Nm
- Nominal Voltage 24 VAC/DC
- Control 2- Point
- Auxiliary switch 2x fixed, not adjustable
- Damper coupling  
form closure 8 mm (8F 8)  
form closure 10 mm (8F10)  
form closure 12 mm (8F12)



##### Technical data

<b>Nominal voltage</b>	Nominal voltage	24 VAC (50/60Hz), 24 VDC
	Nominal voltage range	19...29 VAC/DC
	Power consumption Motor (Motion)	7 W
	Power consumption Standby (end position)	1,5 W
	Wire sizing	9,5 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, 3x0,75 mm² (halogen free)
	Connection Auxiliary switch	Cable 1000 mm, 6x0,75 mm² (halogen free)
<b>Functional data</b>	Connection GUAC	-
	Torque Motor	>15 Nm
	Synchronised speed	±5%
	Direction of rotation	selected by mounting
	Manual override	-
	Angle of rotation	0°...max. +95°
	Running time Motor	<30 s / 90°
	Sound power level Motor	<55 dB(A)
	Damper coupling	form closure 8 mm (8F 8) form closure 10 mm (8F10) form closure 12 mm (8F12)
	Position indication	mechanical with pointer

## Technical data

<b>Functional data</b>	Service life	>60.000 cycles (0°...+95°...0°)
<b>Safety</b>	Protection class	III (low voltage safety current)
	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 (EN60730-1)
	Rated impulse voltage	0,8 kV (EN60730-1)
	Control pollution degree	3 (EN60730-1)
	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.F., non- condensating (EN 60730-1)
	Maintenance	maintenance free
<b>Dimensions/ Weight</b>	Dimensions	145 x 75 x 70 mm
	Weight	ca. 1,200 g

## Operating mode / Properties

**Operating mode**

Through connecting the power supply to BU+BN (1+2) and the direction of rotation switch on position "R" 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.

**Signaling**

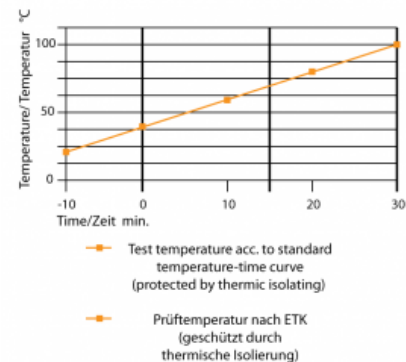
The two integrated auxiliary switches are activated at the fixed switching positions (< 5° and > 80°). The damper position can be checked by the mechanical pointer.

**Direct mounting**

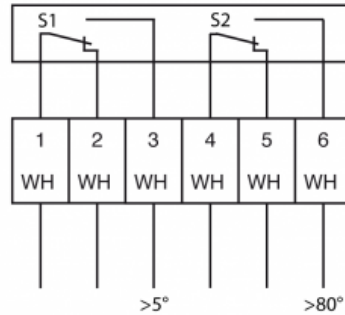
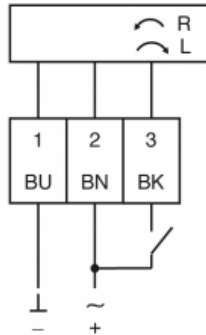
Simple direct mounting on the damper spindle with formlock, supplied with anchoring supports to prevent the actuator from rotating.

**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.
- In 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

