

Technical data sheet

Spring-return actuator, combined with thermo-electric tripping device (72°C), for small fire and smoke dampers 90°⊲ in ventilation and air-conditioning systems.

- Torque 6/4 Nm
- Nominal voltage AC 230 V
- Control: Open/close
- Damper rotation: 12 mm form-fit



Technical Data

Nominal voltage range AC 198 264 V Power consumption motoring holding 6 W @ nominal torque 3 W for wire sizing 7 VA / Imax. 150 mA @ 10 ms Auxiliary switch 2 x 1 SPDT Contact rating (contacts gold plate on silver) 1 mA 3 A (0.5 A), DC 5 V AC 250 V □ Switching points Switching points 5° <t 80°<t="" td=""> Thermal trips Tf1: duct outside temperature 72°C Tf2 + Tf3: duct inside temperature 72°C Connecting cable motor 1 m, 2 x 0.75 mm² (halogen-free) auxiliary switch auxiliary switch 1 m, 6 x 0.75 mm² (halogen-free) auxiliary switch 1 m, 6 x 0.75 mm² (halogen-free) auxiliary switch 1 m, 6 x 0.75 mm² (halogen-free) Birdig construction of rotation Selected by mounting L/R Angle of rotation Max. 95°<(incl. 5°<3 spring pretensioning) Running time motor 40 75 s (0 6 Nm) spring-return spring-return ~20 s @ -20 +50°C / Max. 60 s @ -30°C Sound power level motor Max. 45 dB (A) pamper rotation Form-fit 12 mm (10 mm with adapter supplied)</t>	
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Position indication Mechanical with pointer	
Service life Min. 60'000 safe positions	
Safety Protection class II totally insulated	
Degree of protection IP54 in all mounting positions	
EMC low-voltage directive CE according to 2004/108/EC	
CE according to 2006/95/EC	
Mode of operation Type 1.AA.B (EN60730-1)	
Rated impulse voltage 4 kV (EN60730-1)	
Control pollution degree 3 (EN60730-1)	
Ambient temperature range normal duty -30 +50 °C	
	75 °C
Non-operating temperature -40 +50 °C	
Ambient humidity range According to EN 60730-1	
Maintenance Maintenance-free	
Dimensions / weight Dimensions Dimensions See «Dimensions» on page 3	
Weight Approx. 1'730 g	

Spring-return actuator 90 $^{\circ}{\triangleleft},$ AC 230 V, 6/4 Nm, with thermo-electric tripping device

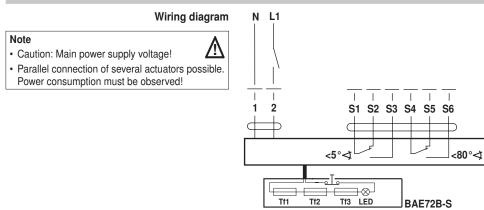


Safety notes			
Λ	 The actuator is not allowed to be used outside the specified field or aircraft or in any other airborne means of transport. Caution: Power supply voltage! The actuator is adapted and mounted to the fire and smoke damper turer. For this reason, the actuator is only supplied direct to safety. The manufacturer then bears full responsibility for the proper func. The device may only be opened at the manufacturer's site. It does can be replaced or repaired by the user. The device contains electronic and electrical components and may the household waste. Observe local regulations and valid laws. 	r by the damper manufac damper manufacturers. tioning of the damper. not contain any parts that	
Product features			
Mode of operation Thermo-electric tripping device BAE72B-S	at the same time. If the power supply is interrupted, the energy stored in the spring moves the damper back to its safe position. Thermal trip Tf1 operates if the ambient temperature exceeds 72°C.		
Note The function of the thermal trip and the test switch is only warranted if the actuator is connected to the power supply and has reached its operating position.	 Tf1, Tf2 or Tf3 trips cause the power supply to be interrupted permanently so that it cannot be uncancelled. The LED is lit when there is a supply voltage, the temperature fuses are OK and the test switch is not pressed. 		
Signalling	Two microswitches with fixed settings are installed in the actuator for indicating the damper end positions. The position of the damper blade can be read off on a mechanical position indicator.		
Manual operation	Without power supply, the damper can be operated manually and fixed in any required position Release of the locking mechanism can be achieved manually or automatically by applying the supply voltage.		
Accessories			
	Description	Туре	
Electrical accessories	Auxiliary switch, 1 x PDT 6 A (2.5 A), AC 250 V	SN1	
	Auxiliary switch, 2 x PDT 6 A (2.5 A), AC 250 V	SN2	
	Blanking cover (without canal sensor function)	ZBAE0	
	Spare thermoelectric tripping device Duct inside temperature 72°C	ZBAE72	
	Spare thermoelectric tripping device Duct inside temperature 95°C, colour green	ZBAE95	
Mechanical accessories	Adapter with clamp for rotary axes up to 20 mm for BF and BLF	ZK-BF	
	Adapter with DM18 rotary axis, L = 33 mm, for BF and BLF	ZA18-BF	
	Adapter 12/8 mm for BF and BLF	ZA8-BF	
	Adapter 12/11 mm for BF and BLF	ZA11-BF	
	Bracket for SN1 and SN2 auxiliary switches for BLF.	ZSN-BLF	

Spring-return actuator 90° \lhd , AC 230 V, 6/4 Nm, with thermo-electric tripping device



Electrical installation



Dimensions [mm]



