

Technical data sheet

Spring-return actuator, combined with external thermal fuse, for fire and smoke dampers 180° in ventilation and air-conditioning systems, with connection plugs for simple integration in control and monitoring systems or bus networks via communication and power supply units.

- Nominal torque 11 Nm / 8.5 Nm
- Nominal voltage AC/DC 24 V
- Control open-close
- Damper rotation form fit 10 mm

Technical data





lata		
Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.2 V 28.8 V / DC 21.6 V 28.8 V
	Power consumption in operation	7.5 W
	Power consumption at rest	2 W
	Power consumption for wire sizing	10 VA
	Power consumption for wire sizing note	Imax 8.3 A @ 5 ms
	Auxiliary switch	2 x SPDT
	Switching capacity auxiliary switch	Contact gold-plated silver: 1 mA 3 (0.5) A, DC 5 V AC 250 V (II Totally insulated)
	Switching points auxiliary switch	25° / 145° (5° / 80° relating to damper angle of rotation)
	Connection supply	Cable 1 m, 2 x 0.75 mm ² (halogen-free)
	Connection auxiliary switch	Cable 1 m, 6 x 0.75 mm ² (halogen-free)
	Connection plug	Supply / control: 3-pole plug, suitable for
		communication and power supply units (see "Accessories")
		Auxiliary switch: 6-pole plug, suitable for communication and power supply units (see "Accessories")
Functional data	Torque motor	Min. 11 Nm
	Torque spring-return	Min. 8.5 Nm
	Direction of rotation motor	Can be selected by mounting L / R
	Angle of rotation	Max. 180°
	Running time motor	<120 s / 180°
	Running time spring-return	~20 s (tamb = 20°C)
	Sound power level motor max.	45 dB (A)
	Sound power level spring-return max.	63 dB (A)
	Damper rotation	Form fit 10 mm
	Position indication	Mechanically, with pointer
	Service life	Min. 50,000 safety positions
0-6-1-		
Safety	Response temperature thermal fuse	Tf1: Duct outside temperature 72°C
	Protection class IEC/EN	III Safety extra-low voltage
	Degree of protection IEC/EN	IP54 in all mounting positions
	EMC	CE according to 2004/108/EC
	Low-voltage directive	CE according to 2006/95/EC
	Certification IEC/EN	Certified according to IEC/EN 60730-1 and IEC/EN 60730-2-14
	Mode of operation	Type 1.AA.B
	Rated impulse voltage supply / control	0.8 kV
	Control pollution degree	3
	Ambient temperature normal duty	-30°C 50°C
	Ambient temperature safety duty	The safety position will be attained up to max. 75°C
	Non-operating temperature	-40°C 50°C
	Ambient humidity	95% r.h., non-condensing
	Maintenance	Maintenance-free

Spring-return actuator 180 $^\circ$, AC/DC 24 V, 11 Nm / 8.5 Nm, with plug, ext. thermal fuse



Technical data		
Weight	Weight approx.	2.8 kg
Safety notes		
	 especially in aircraft or The actuator is adapted manufacturer. For this r manufacturers. The ma functioning of the damp The device may only be parts that can be replace The device contains electronic 	wed to be used outside the specified field of application, in any other airborne means of transport. and mounted to the fire and smoke damper by the damper eason, the actuator is only supplied direct to safety damper nufacturer then bears full responsibility for the proper er. e opened at the manufacturer's site. It does not contain any ced or repaired by the user. ectrical and electronic components and is not allowed to be old refuse. All locally valid regulations and requirements mu
Product features		
Mode of operation		amper to the operating position at the same time as ng. The damper is turned back to the safety position by spri roltage is interrupted.
External thermal fuse	supply voltage is interrup The function of the therm	e of 72°C is exceeded, the thermal fuse Tf1 responds. The red permanently and irreversibly. al fuse and the test button is only warranted if the actuator i upply and has reached its operating position.
Signalling	Two microswitches with fi damper end positions.	xed settings are installed in the actuator for indicating the er blade can be read off on a mechanical position indicator.
Manual operation	Without power supply, the	e damper can be operated manually and fixed in any require ed manually or automatically by applying the supply voltage
Connecting	communication and powe	plugs. This means that it can be integrated via a r supply unit (see "Accessories") in the control and SBS control) or in bus networks (e.g. MP bus solutions).



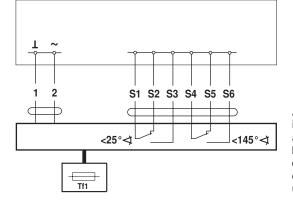
	Description	Data sheet name
Electrical accessories	Thermoelectric tripping devices	BAE72 BAE72-F-ST
	Thermoelectric tripping devices with test button	BAE72-S BAE72-S-F-ST
	Cable set with plug, $L = 0.5$ m for BF and BLF on communication and power supply units	ZST-BS
	Communication and power supply unit for integration in SBS control networks	BKN230-24
	Communication and power supply unit for integration in SBS control and	BKN230-24-C-
	MP bus networks	MP



Electrical installation

Wiring diagrams

Connection by means of plug at communication and power supply units



Application examples for the integration into monitoring and control systems or into bus networks can be in the documentation of the connected communication and power supply unit (see "Accessories").

Dimensions [mm]



