

Technical data sheet



- Torque 40 Nm
- Nominal voltage AC/DC 24 V
- Control: Open/close
- Damper rotation: BE24: 14 mm form-fit BE24-12: 12 mm form-fit



Technical Data

Electrical data	Nominal voltage		AC 24 V, 50/60 Hz / DC 24 V
	Nominal voltage range		AC 19.2 28.8 V / DC 21.6 28.8 V
	Switching thresholds	min. ON voltage	AC 19.2 V / DC 21.6 V
		max. OFF voltage	AC 6.5 V / DC 6.5 V
		motoring	12 W @ nominal torque
		holding	0.5 W
		for wire sizing	18 VA / Imax. 8.2 A @ 5 ms
	Auxiliary switch		
	Contact rating (contacts gold plate on silver) Switching points		1 mA 6 A, DC 5 V AC 250 V □ 3°爻 / 87°爻 (referred to 0 90°爻)
	Tolerance		±2
	Connecting cable mot	or	1 m, 3 x 0.75 mm ² (halogen-free)
	auxiliary switch		1 m, 6 x 0.75 mm ² (halogen-free)
Functional data	Torque (nominal torque)		Min. 40 Nm @ nominal voltage
	Blocking torque dynamic		40 Nm
	steady-state		50 Nm
	Direction of rotation		Selected by mounting L/R
	Angle of rotation		Max. 100°⊄ (incl. 5°⊄ mechanical overrun
			on each side)
	Running time		<60 s for 90°⊄
	Sound power level		Max. 62 dB (A)
	Damper rotation BE24		Form-fit 14 mm
	BE24-12		Form-fit 12 mm
	Position indication		Mechanical with pointer
	Service life		At least 10'000 cycles
Safety	Protection class		III Safety extra-low voltage
	Degree of protection		IP54 in all mounting positions
	EMC		CE according to 89/336/EEC, 92/31/EEC, 93/68/EEC
	Mode of operation		Type 1.B (according to EN60730-1)
	Rated impulse voltage		0.8 kV (according to EN60730-1)
	Control pollution degre		3 (according to EN60730-1)
	Ambient temperature ra	.	-30 +50 °C
	Non-operating tempera	safety duty	See «Safety function» on page 2 -40 +80°C
	Ambient humidity range		According to EN 60730-1
	Maintenance	6	Maintenance-free
Dimensione / weight			
Dimensions / weight	Dimensions Weight		See «Dimensions» on page 3
	Weight		Approx. 2'700 g

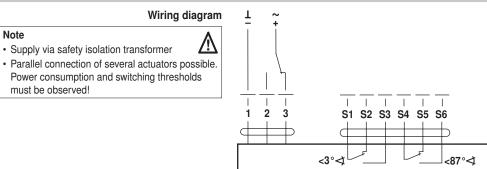
Actuator for smoke control dampers 90° $\triangleleft,$ AC/DC 24 V, 40 Nm



(protected by thermic isolating)

Safety notes		
Â	 The actuator is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport. The actuator is adapted and mounted to the fire and smoke damper by the damper manufacturer. For this reason, the actuator is only supplied direct to safety damper manufacturers. The manufacturer then bears full responsibility for the proper functioning of the damper. Since very high values of torque are exerted on the damper spindle it is advisable to use steel of at least grade St50. The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user. The device contains electronic and electrical components and may not be disposed of with the household waste. Observe local regulations and valid laws. 	
Product features		
Mode of operation	Open/Close control is effected by means of a 2-wire system. The actuator is overload-proof and therefore remain energized while stationary at the end-stops.	
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	The crank handle supplied with the actuator allows it to be operated manually. It also allows a functional test of the damper to be performed very easily.	
Standards and specifications	 The design of the actuator is based on the following standards and specifications: Draft DIN 18232, Part 6, Sept. 1992 Fire protection in industrial buildings Smoke and heat extraction systems Preliminary standard ÖNORM H 6029, May 1997 Ventilation systems Fire smoke extraction systems Extracts from: CEN/TC191, 1996 prEN12101-8 (Smoke and heat control systems – Specifications for smoke control dampers) 	
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.	

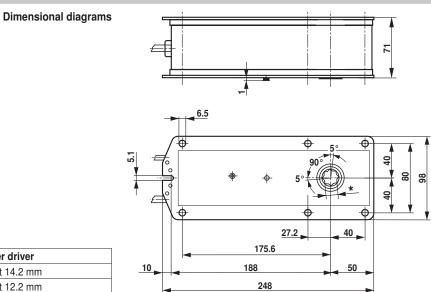
Electrical installation





Dimensions [mm]

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r	Туре	Damper driver	
	BE24	Form-fit 14.2 mm	
	BE24-12	Form-fit 12.2 mm	