

Technical data sheet

Actuator for smoke control dampers 90°

- Torque motor 25 Nm
- Nominal voltage AC 230 V
- Control Open/close
- Mechanical interface Form fit 12x12 mm, continuous hollow shaft



Technical data

Electrical data	Nominal voltage	AC 230 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 198264 V
	Switching thresholds min. ON voltage	AC 198 V
	Switching thresholds max. OFF voltage	AC 50 V
	Power consumption in operation	3.5 W
	Power consumption in rest position	0.4 W
	Power consumption for wire sizing	6 VA
	Power consumption for wire sizing note	Imax 4 A @ 5 ms
	Auxiliary switch	2x SPDT
	Switching capacity auxiliary switch	1 mA3 A (0.5 A inductive), DC 5 VAC 250 V
	Switching points auxiliary switch	5° / 80°
	Tolerance	±3°
	Connection supply / control	Cable 1 m, 3x 0.75 mm², halogen-free
	Connection auxiliary switch	Cable 1 m, 6x 0.75 mm ² , halogen-free
Functional data	Torque motor	25 Nm
	Direction of motion motor	selectable by mounting
	Manual override	with hand crank
	Angle of rotation	Max. 95°
	Running time motor	<60 s / 90°
	Sound power level, motor	58 dB(A)
	Mechanical interface	Form fit 12x12 mm, continuous hollow shaft
	Position indication	Mechanical, with pointer
	Service life	Min. 10'000 cycles
Safety data	Protection class IEC/EN	II, reinforced insulation
	Protection class auxiliary switch IEC/EN	II, reinforced insulation
	Degree of protection IEC/EN	IP54
	EMC	CE according to 2014/30/EU
	Low voltage directive	CE according to 2014/35/EU
	Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-14
	Type of action	Туре 1.В
	Rated impulse voltage supply / control	4 kV
	Rated impulse voltage auxiliary switch	4 kV
	Pollution degree	3
	Ambient humidity	Max. 95% RH, non-condensing
	Ambient temperature	-3055°C [-22131°F]



Safety data	Storage temperature	-4080°C [-40176°F]	
	Servicing	maintenance-free	
Weight	Weight	1.1 kg	
Safety notes			
Â	 The device must not be used outside the specified field of application, especial aircraft or in any other airborne means of transport. Caution: Power supply voltage! The actuator is adapted to and installed on the smoke control damper by the d 		
	manufacturer. For this reason,	the actuator is only supplied direct to safety damper rer then bears full responsibility for the proper functioning c	
	• The two switches integrated in	the actuator are to be operated either on power supply oltage. The combination power supply voltage/safety extra-	
	l at the manufacturer's site. It does not contain any parts tha the user.		
3		nd electronic components and must not be disposed of as lid regulations and requirements must be observed.	
Product features			
Operating mode	2-wire open/close control. The actuator is overload-proof and can thus remain energised even at the end stops.		
Safety Position Lock™	Safety Position Lock™ The Safety Position Lock [™] reliably holds the smoke control damper in the define position in case of fire, thus ensuring maximum safety.		
Manual override	The hand crank included in the sl	hipment can be used for manual operation of the actuator.	
Signalling	end positions. It should be noted	tings are installed in the actuator for indicating the damper l with this application however that the contacts can no e range after larger currents have been applied to them, once.	
	The position of the damper blade	e can be read off on a mechanical position indication.	
Standards / Regulations	The design of the actuator is base standards:	ed on the specific requirements from the European	
		ntrol systems - Part 8: Smoke control dampers	
		s for service installations - Part 10: Smoke control dampers	
		f construction products and building elements - Part 4: e resistance tests on components of smoke control systems	
Parts included			
	Hand crank Pointer		
	Protective bag		
Accession			
Accessories			

Auxiliary switch 2x SPDT

SN2-C7



Accessories			
Mechanica	l accessories	Description	Туре
		Pointer 12x12 mm	ZZN12-B
		Hand crank 40 mm	ZKN1-B
		Hand crank 63 mm	ZKN2-B
		Protective bag with wire, Multipack 100 pcs.	ZSD-B.1
		Bracket for SN2-C7 for BFN/BFL, BEN/BEE	ZSN-B
Electrical installation			
	^	Caution: Power supply voltage!	
	<u>/!</u> \	Parallel connection of other actuators possible. Observe the performance data and the switching thresholds.	
		Combination of power supply voltage and safety extra-low voltage auxiliary switches.	not permitted at the both
Wire colours: 1 = blue 2 = brown 3 = white S1 = violet S2 = red S3 = white S4 = orange S5 = pink S6 = grey Wiring diagrams AC 230 V, open/close N L 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 1 2 3 1 1 1 1 1 2 3 1 1 1 1 2 3 1 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 1 2 3 1 1 1 1 2 3 1 1 1 1 1 1 2 3 1 1 1 1 1 1 1 2 3 1 1 1 1 1 1 1 1	Auxiliary su	764	



Dimensions



