

Technical data sheet

Actuator for smoke control dampers 90°

- Torque motor 40 Nm
- Nominal voltage AC 230 V
- Control Open/close
- Mechanical interface Form fit 14x14 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 100 V
	Power consumption in operation	8 W
	Power consumption in rest position	0.5 W
	Power consumption for wire sizing	15 VA
	Power consumption for wire sizing note	Imax 7.9 A @ 5 ms
	Auxiliary switch	2x SPDT
	Switching capacity auxiliary switch	1 mA6 A (3 A inductive), DC 5 VAC 250 V
	Switching points auxiliary switch	3° / 87°
	Tolerance	±2°
	Connection supply / control	Cable 1 m, 3x 0.75 mm², halogen-free
	Connection auxiliary switch	Cable 1 m, 6x 0.75 mm², halogen-free
Functional data	Torque motor	40 Nm
	Inhibiting torque dynamic	40 Nm
	Inhibiting torque static (voltage-free)	50 Nm
	Direction of motion motor	selectable by mounting L/R
	Manual override	with hand crank
	Angle of rotation	Max. 100°
	Angle of rotation note	Including 5° mechanical overrun at both sides
	Running time motor	<60 s / 90°
	Sound power level, motor	62 dB(A)
	Mechanical interface	Form fit 14x14 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	Type 1.B
	Rated impulse voltage supply / control	4 kV
	Rated impulse voltage auxiliary switch	2.5 kV



Safety data	Pollution degree	3
	Ambient humidity	Max. 95% RH, non-condensing
	Ambient temperature	-3050°C [-22122°F]
	Storage temperature	-4080°C [-40176°F]
	Servicing	maintenance-free
Weight	Weight	2.7 kg

Safety notes

	 The device must not be used outside the specified fiel aircraft or in any other airborne means of transport. Caution: Power supply voltage! The actuator is adapted to and installed on the smoke manufacturer. For this reason, the actuator is only su manufacturers. The manufacturer then bears full resp the damper. The two switches integrated in the actuator are to be voltage or at safety extra-low voltage. The combination low voltage is not permitted. Because of the fact that very high torques are applied (as a minimum) is recommended. The device may only be opened at the manufacturer's can be replaced or repaired by the user. The device contains electrical and electronic compone household refuse. All locally valid regulations and required to the set of the set of	e control damper by the damper ipplied direct to safety damper ponsibility for the proper functioning of operated either on power supply on power supply voltage/safety extra- d to the damper shaft, the use of St50 s site. It does not contain any parts that ents and must not be disposed of as
Product features	· / Pa	
Operating mode	2-wire open/close control. The actuator is overload-pro at the end stops.	of and can thus remain energised even
Manual override	The hand crank included in the shipment can be used f	or manual operation of the actuator.
Signalling	Two microswitches with fixed settings are installed in the end positions. It should be noted with this application he longer be used in the milliampere range after larger cur even if this has taken place only once. The position of the damper blade can be read off on a result.	however that the contacts can no irrents have been applied to them,
Standards / Regulations	The design of the actuator is based on the specific requistandards:	
	 EN 12101-8: Smoke and heat control systems - Part 8: EN 1366-10: Fire resistance tests for service installatio EN 13501-4: Fire classification of construction product Classification using data from fire resistance tests on construction 	ons - Part 10: Smoke control dampers ts and building elements - Part 4:
Parts included		
	Hand crank Pointer Protective bag	
Accessories		
Mechanical accessories	Description	Туре
	Hand crank 40 mm	ZK1-B



BE230

Description	Туре
Hand crank 70 mm	ZK2-B
Protective bag with wire, Multipack 100 pcs.	ZSD-B.1

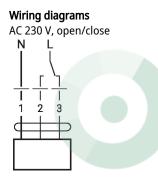
Electrical installation

<u>/</u>

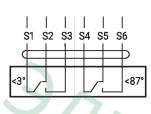
Caution: Power supply voltage!

Parallel connection of other actuators possible. Observe the performance data and the switching thresholds.

Combination of power supply voltage and safety extra-low voltage not permitted at the both auxiliary switches.



Auxiliary switch



Dimensions

