

Technical data sheet



- Control Open/close
- Mechanical interface Form fit 12x12 mm, continuous hollow shaft



Technical data

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.228.8 V / DC 21.628.8 V
	Switching thresholds min. ON voltage	AC 19.2 V / DC 21.6 V
	Switching thresholds max. OFF voltage	AC 6.5 V / DC 6.5 V
	Power consumption in operation	7.5 W
	Power consumption in rest position	0.5 W
	Power consumption for wire sizing	9 VA
	Power consumption for wire sizing note	Imax 2.7 A @ 5 ms
	Auxiliary switch	2 x SPDT
	Switching capacity auxiliary switch	1 mA3 A (0.5 A inductive), DC 5 VAC 250 V (II, reinforced insulation)
	Switching points auxiliary switch	3° / 87°
	Tolerance	±2°
	Connection supply / control	Cable 1 m, 3 x 0.75 mm², halogen-free
	Connection auxiliary switch	Cable 1 m, 6 x 0.75 mm², halogen-free
Functional data	Torque motor	15 Nm
	Inhibiting torque dynamic	15 Nm
	Inhibiting torque static (voltage-free)	20 Nm
	Direction of motion motor	selectable by mounting L/R
	Manual override	with hand crank
	Angle of rotation	Max. 105°
	Angle of rotation note	including mechanical overrun at both sides
	Running time motor	<30 s / 90°
	Sound power level, motor	62 dB(A)
	Mechanical interface	Form fit 12x12 mm, continuous hollow shaft
	Position indication	Mechanically, with pointer
	Service life	Min. 10'000 cycles
Safety data	Protection class IEC/EN	III, Safety Extra-Low Voltage (SELV)
	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
	Mode of operation	Туре 1.В
	Rated impulse voltage supply / control	0.8 kV
	Rated impulse voltage auxiliary switch	4 kV
	Pollution degree	3
	Ambient temperature	-3050°C



BELIMO	Technical data sheet	BLE24
Safety data	Storage temperature	-4080°C
	Ambient humidity	Max. 95% RH, non-condensing
	Servicing	maintenance-free
Weight	Weight	1.5 kg
Safety notes		
Ĺ	 or in any other airborne mean The actuator is adapted to and manufacturer. For this reason manufacturers. The manufact the damper. The two switches integrated in or at safety extra-low voltage. is not permitted. The device may only be openent can be replaced or repaired by The device contains electrical 	I installed on the smoke control damper by the damper , the actuator is only supplied direct to safety damper urer then bears full responsibility for the proper functioning of n the actuator are to be operated either on power supply voltage The combination power supply voltage/safety extra-low voltage d at the manufacturer's site. It does not contain any parts that
Product features		
Mode of operation	2-wire open/close control. The a at the end stops.	actuator is overload-proof and can thus remain energised even
Manual override	The hand crank included in the	shipment can be used for manual operation of the actuator.
Signalling	end positions. It should be note be used in the milliampere rang has taken place only once.	ettings are installed in the actuator for indicating the damper d with this application however that the contacts can no longer le after larger currents have been applied to them, even if this le can be read off on a mechanical position indication.
Standards / Regulations	The design of the actuator is ba	sed on the specific requirements from the European standards:
	• EN 12101-8: Smoke and heat o	ontrol systems - Part 8: Smoke control dampers
	• EN 1366-10: Fire resistance tes	ts for service installations - Part 10: Smoke control dampers
		of construction products and building elements - Part 4: re resistance tests on components of smoke control systems
Delivery notes	Incl. Hand crank, Pointer, Prote	ctive bag

Accessories

Electrical accessories	Description	Туре
	Cable set with plug 0.5 m for communication and power supply unit	ZST-BS
Mechanical accessories	Description	Туре
	Pointer 12x12 mm	ZZ12-B
	Hand crank 40 mm	ZK1-B
	Hand crank 70 mm	ZK2-B
	Protective bag with wire, Multipack 100 pcs.	ZSD-B.1

Electrical installation



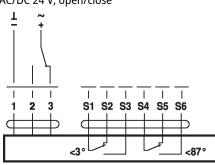
Supply from isolating transformer.

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.



Wiring diagrams AC/DC 24 V, open/close



Dimensions

