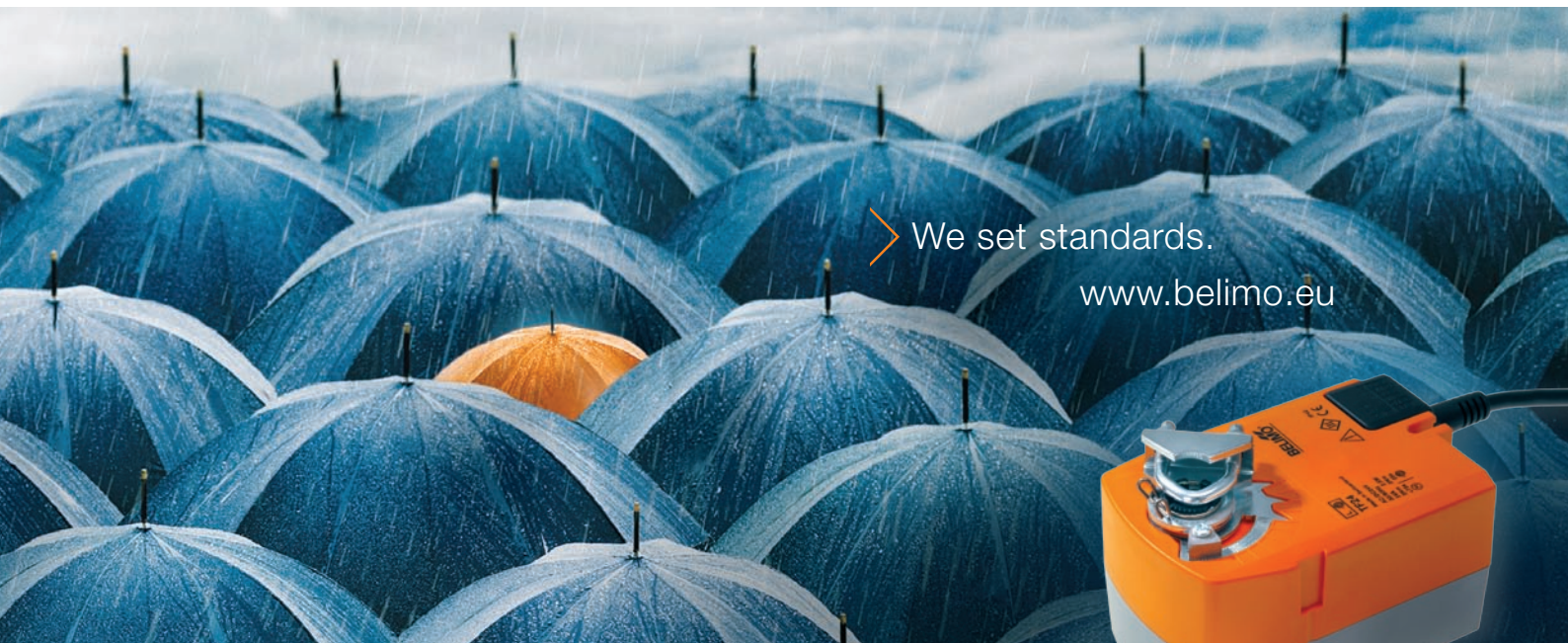


TF safety actuators. Ideal protection – even for the little ones.



> We set standards.
www.belimo.eu

The compact line with mechanical spring return.

Dampers with a safety function can sometimes be needed where space is tight. The tiny Belimo TF actuator is just the right thing. With the proven spring return, it seals the smallest of gaps – just as well as any big one and with the same high degree of reliability.

Wherever space is tight

External air dampers to protect against frost, circulating air dampers for smoke protection or tightly sealing dampers in hygiene applications are typically motorised with electrical spring return actuators. These close the dampers automatically in the event of power failures. This well-proven principle can also be used in the compact TF safety actuators in situations where space is extremely tight – for example, in compact air conditioning systems, façade ventilation devices or underfloor units.

Sturdy and easy to handle

The TF safety actuators use the same robust technology as their bigger AF (15 Nm) and LF (4 Nm) brothers. Thanks to a torque of 2 Nm, they are suitable for motorising dampers of up to approx. 0.4 m².

TF actuators have the familiar simple installation and operating philosophy, as well as electrical accessories identical to those of the entire range. The MFT types can be parameterised and can also be incorporated without any problems into higher-level networks via the Belimo MP-Bus®.

TF safety actuators. Versatile and adaptable.



Product range / technical data:	TF24	TF24-S	TF230	TF230-S	TF24-3	TF24-SR	TF24-MFT
Open-close	•	•	•	•	–	–	–
3-point: Two-wire or single-wire contacts	–	–	–	–	•	–	–
Modulating: Control DC 0...10 V	–	–	–	–	–	•	•
Operating range DC 2...10 V	–	–	–	–	–	•	•
Position response DC 2...10 V	–	–	–	–	–	•	•
Voltage supply	AC/DC 24 V	AC/DC 24 V	AC 230 V	AC 230 V	AC/DC 24 V	AC/DC 24 V	AC/DC 24 V
Integrated auxiliary switch	–	•	–	•	–	–	–
Angle of rotation 95°	•	•	•	•	•	•	•
Mechanical angle of rotation limiting	•	•	•	•	•	•	•
Choice of direction of rotation (left/right)	•	•	•	•	•	•	•
Spindle driver, universal clamp	•	•	•	•	•	•	•
Running time, motor	< 75 s	< 75 s	< 75 s	< 75 s	< 150 s	< 150 s	< 150 s
Running time, spring return	< 25 s	< 25 s	< 25 s	< 25 s	< 25 s	< 25 s	< 25 s
Protection class IP42	•	•	•	•	•	•	•
Parameter setting ¹⁾	–	–	–	–	–	–	•

¹⁾ control, operating range, feedback, running time and other functions (with PC-Tool or the parameter setting device)

Accessories (further accessories on request)

Mechanical	Item	Designation
	Positive fit 8 x 8 Angle of rotation limiter Damper crank arm Actuator arm: Ball-and-socket joint (iron ball Ø 8/10 mm) Screw fastening set	ZF8-TF ZDB-TF KH8 AH-TF KG8/KG10A SB-TF
Electronic for SR types 	Position sensor Range controller Position indication, digital	SGA24, SGF24, SGE24 SBG24 ZAD24

Belimo worldwide: www.belimo.com



5 years warranty



Worldwide on site



Complete range



Tested quality



Short delivery times



Comprehensive support

Headquarters: **BELIMO Automation AG**, Brunnenbachstrasse 1, CH-8340 Hinwil
Tel. +41 (0)43 843 61 11, Fax +41 (0)43 842 62 68, info@belimo.ch

BELIMO[®]