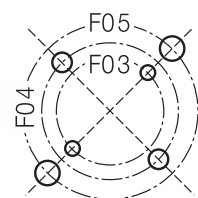
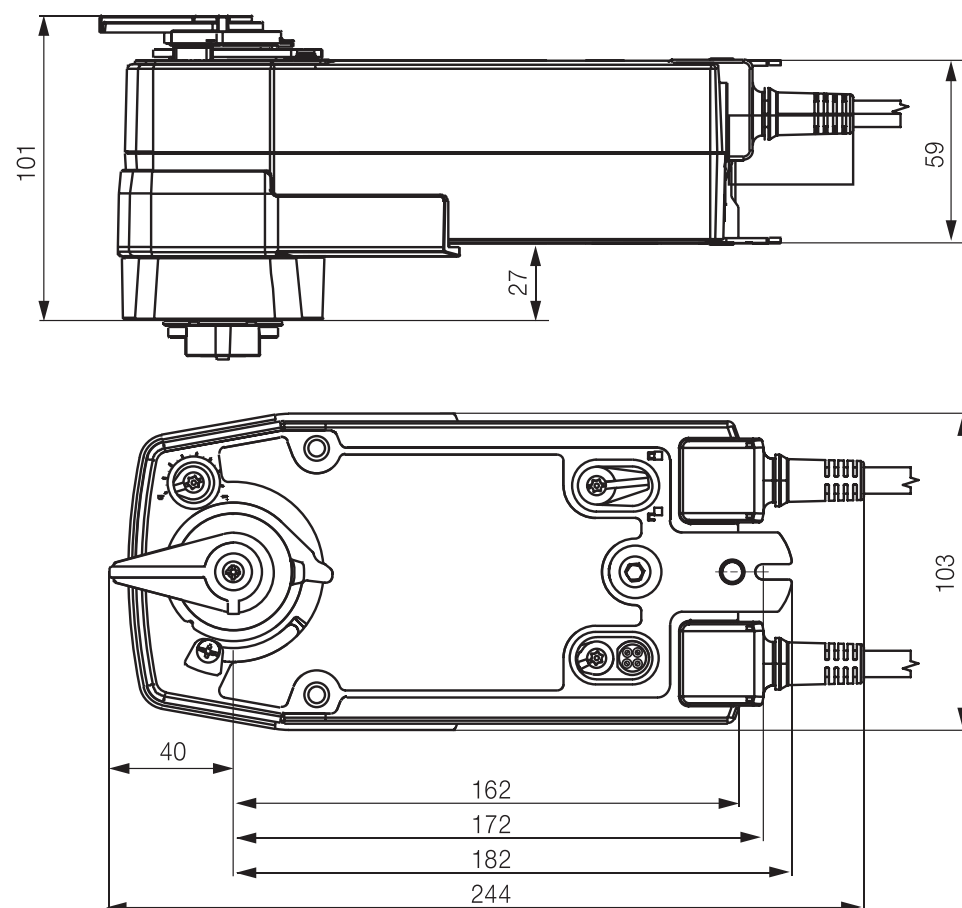


Retrofit rotary actuator for rotary valves, butterfly valves and emergency control function for ball valves



F03	Ø 36	2 x M5
F04	Ø 42	2 x M5
F05	Ø 50	2 x M6

Dimensional drawings

HIGH QUALITY | EXCELLENT PRICE | WHERE QUALITY COUNTS

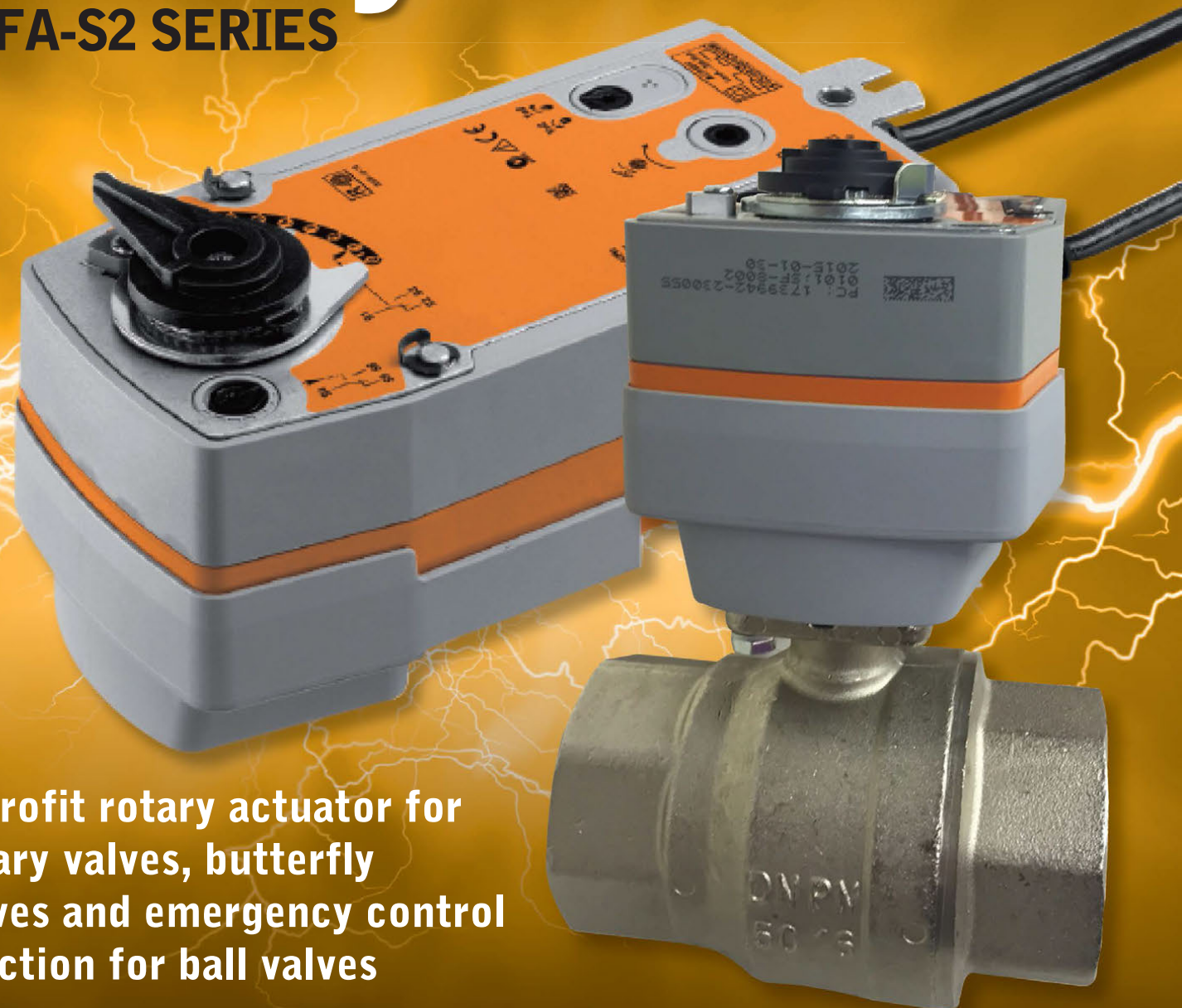
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Rotary Actuator

SRFA-S2 SERIES



Retrofit rotary actuator for rotary valves, butterfly valves and emergency control function for ball valves

Put your trust in the new generation of fire damperactuators with Safety Position Lock™. In the event of a fire, this new and patented solution reliably holds fire dampers in the safety position and is integrated as standard. It makes the **Alpha Controls** range of Rotary Actuators the ideal solution for rotary and butterfly valves.

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ROTARY ACTUATORS SRFA-S2 SERIES

Rotary actuator with emergency control function for ball valves or rotary valves and butterfly valves

- **Nominal torque 10 or 20 Nm**
- **Nominal voltage AC 24...240 V / DC 24...125 V**
- **Control Open-close**
- **with 2 integrated auxiliary switches**
- **Deenergised closed (NC)**



PRODUCT FEATURES

MODE OF OPERATION

The actuator is equipped with a universal voltage feed module that can utilise supply voltages of AC 24 ... 240V and DC 24 ... 125V.

The actuator moves the ball valve to the operating position at the same time as tensioning the return spring. The ball valve is turned back to the emergency position by spring force when the supply voltage is interrupted.

DIRECT MOUNTING

Simple direct mounting on the ball valve with only one screw. The mounting orientation in relation to the ball valve can be selected in 90° steps.

MANUAL OVERRIDE

Manual actuation of the valve with manual elevator crank, engagement with the locking switch at any position. Unlocking is manual or automatic by applying the operating voltage.

HIGH FUNCTIONAL RELIABILITY

The actuator is overload protected, requires no limit switches and automatically stops when the end stop is reached.

ADJUSTABLE ANGLE OF ROTATION

Adjustable angle of rotation with mechanical end stop.

FLEXIBLE SIGNALIZATION

The actuator has one auxiliary switch with a fixed setting and one adjustable auxiliary switch. They permit a 10% or 11...90% angle of rotation to be signaled.

ELECTRICAL DATA

Nominal voltage	AC 24...240 V / DC 24...125 V
Nominal voltage frequency	50/60 Hz
Nominal voltage range	AC 19.2...264 V / DC 21.6...137.5 V
Power consumption in operation	6W / 7W
Power consumption in rest position	2.5W / 3.5W
Power consumption for wire sizing	9.5VA / 17VA
Auxiliary switch	2 x SPDT, 1 x 10% / 1 x 11...90%
Switching capacity auxiliary switch	1 mA...3 (0.5) A, AC 250 V
Connection supply / control	Cable 1 m, 2 x 0.75 mm ²
Connection auxiliary switch	Cable 1 m, 6 x 0.75 mm ²
Parallel operation	Yes (note the performance data)

FUNCTIONAL DATA

Torque motor	Min. 10 or 20 Nm
Torque spring return	Min. 10 or 20 Nm
Direction of rotation spring-return	Deenergised NC, valve closed (A - AB = 0%)
Manual override	By means of hand crank and locking switch
Angle of rotation	90°
Running time motor	75 s / 90°
Running time emergency setting position	<20 s / 90°
Sound power level motor max.	45 dB(A)
Position indication	Mechanical
Service life	Min. 60,000 emergency positions

SAFETY

Protection class IEC/EN	II Protective insulated
Protection class UL	II Protective insulated
Protection class auxiliary switch IEC/EN	II Protective insulated
Degree of protection IEC/EN	IP54
Degree of protection NEMA/UL	NEMA 2, UL Enclosure Type 2
EMC	CE according to 2004/108/EC
Low voltage directive	CE according to 2006/95/EC
Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-14
Certification UL	cULus according to UL 60730-1A, UL 60730-2-14 and CAN/CSA E60730-1:02
Mode of operation	Type 1.AA.B
Rated impulse voltage supply / control	4 kV
Rated impulse voltage auxiliary switch	2.5 kV
Control pollution degree	3
Ambient temperature	0...50°C / -30...50°C
Non-operating temperature	-40...80°C
Ambient humidity	95% r.h., non-condensing
Maintenance	Maintenance-free

WEIGHT

Weight approx.	2.3 kg / 2.5kg
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