

- **Mechanical Fail-Safe Rotary Actuators**  
for operation of : **DN50...80 Butterfly Valves**
- **Torque:** 20Nm
- **Open/Close control:** SRFU-5, SRFU-S2-5 (AC 24...240V)  
(DC 24V...125V)
- **Modulating control:** SRFU24-SR-5 (AC/DC 24V)


**Technical data**

<b>SRFU-5</b>	Nominal voltage	AC 24... 240V, 50/60Hz, DC 24... 125V
	Nominal voltage range	AC 19.2...264V / DC 21.6...126.5V
	Power consumption	7.0W @ running / 3.5W @ holding
	Wire/transformer sizing	7.0VA @ AC 24V 8.5VA @ AC 120V 18.0VA @ AC 240V
<b>SRFU-S2-5</b>	Connection	Cable1m, 2x0.75mm <sup>2</sup>
	Nominal voltage	AC 24...240V, 50/60Hz, DC 24...125V
	Nominal voltage range	AC 19.2...264V / DC 21.6...126.5V
	Power consumption	7.0W @ running / 3.5W @ holding
<b>SRFU24-SR-5</b>	Wire/transformer sizing	7.0VA @ AC 24V 8.5VA @ AC 120V 18.0VA @ AC 240V
	Connection	Motor Cable1m, 2x0.75mm <sup>2</sup> Auxiliary switches Cable1m, 6x0.75mm <sup>2</sup>
	Nominal voltage	AC24V, 50/60Hz / DC 24V
	Nominal voltage range	AC 19.2 ... 28.8V / DC 21.6...28.8V
<b>Common technical data</b>	Power consumption	5.0W @ running / 3W @ holding
	Wire/Transformer sizing	7VA
	Connection	Cable 1m, 2x0.75mm <sup>2</sup>
	Control signal	DC 2(0)...10V @ 100kΩ input impedance
	Position feedback	DC 2...10V, Max. 0.5mA
	Position Accuracy	±0.5%
	Torque -Motor	Min. 20Nm @ nominal voltage
	-Spring return	Min. 20Nm
	Auxiliary switch (SRFU-S2-5)	2xSPDT, 1mA...3(0.5)A, AC 250V <input type="checkbox"/> One fixed at 10%, one adjustable 10%...90%
	Angle of rotation	Max. 95° $\leftarrow$ by means of adjustable mechanical end stops
	Direction of rotation	- SRFU-S2-5, SRFU-5 Selected by mounting side of L/R - SRFU24-SR-5 Selected by mounting side of L/R or reversing
	Sound power level	Motor max. 45dB(A), spring ≈62dB(A)
	Position indicator	Mechanical
	Manual override	Hex crank
Running time	- SRFU-S2-5, SRFU-5 Motor ≈75s, spring return Max. 20s @ -20..+50°C - SRFU24-SR-5 Motor ≈150s, spring return Max. 20s @ -20..+50°C	
Ambient temp.	-30...+50°C	
Non-operation temp.	-40...+80°C	
Humidity test	95% RH, non-condensing	
Degree of protection	IP54	
EMC	CE according to 2004/108/EC	
Low Voltage Directive	CE according to 2006/95/EC	
Maintenance	Maintenance-free	
Weight	Approx. 2200g	

**Product features**

- Simple direct mounting** Simple direct mounting on the butterfly valve.
- Manual operation** Manual operation is possible with the manual override key.
- Adjustable angle of rotation** Adjustable angle of rotation with mechanical end stops.
- High Function reliability** The actuator is overload-proof, requires no limit switches, and stops automatically when the end stop is reached.
- Mode of Operation** The actuator is controlled with a standard of DC 2(0)...10V and moves the butterfly valve to the operating position at the same time as tensioning the return spring. The butterfly valve is turned back to the emergency position by spring force if the supply voltage is interrupted.

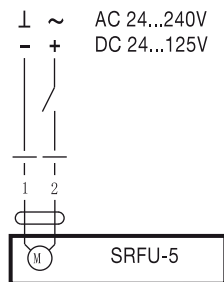
**Wiring**

Note

- Caution: Power supply voltage!
- Other actuators can be connected in parallel. Please note the performance data.



**SRFU-5**  
Open/close control

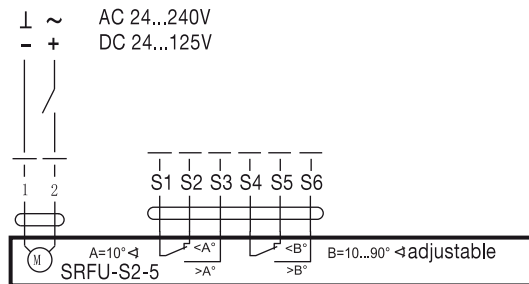


Note

- Caution: Power supply voltage!
- Other actuators can be connected in parallel. Please note the performance data.



**SRFU-S2-5**  
Open/close control

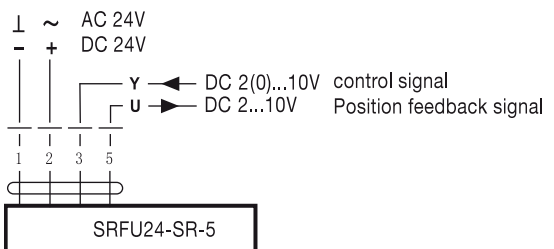


Note

- Connection via safety isolating transformer.
- Other actuators can be connected in parallel. Please note the performance data.



**SRFU24-SR-5**  
Modulating Control



Dimensions Unit [mm]

SRFU..-5

