



- For operation of DN50...100 Butterfly valves
- Torque 15 Nm
- Open/Close control: AF24(-S), AF230 (-S)
- Modulating control: AF24-SR

Technical data

AF24(-S)	Nominal voltage	AC 24 V 50/60 Hz, DC 24 V
	Nominal voltage range	AC 19.2 ... 28.8 V, DC 21.6...26.4 V
	Power consumption - running	5 W
	- holding	1.5 W
	For transformer/wire sizing	10 VA
	Connecting cable - Motor	Cable 1 m, 2 x 0.75 mm ²
	- Auxiliary switch(-S)	Cable 1 m, 6 x 0.75 mm ²
Weight	3000 g	
AF230(-S)	Nominal voltage	AC 230 V 50/60 Hz
	Nominal voltage range	AC 198...264 V
	Power consumption - running	6.5 W
	- holding	2.5 W
	For wire sizing	11 VA
	Connecting cable - Motor	Cable 1 m, 2 x 0.75 mm ²
	- Auxiliary switch(-S)	Cable 1 m, 6 x 0.75 mm ²
Weight	3300 g	
AF24-SR	Nominal voltage	AC 24 V 50/60 Hz, DC 24 V
	Nominal voltage range	AC 19.2 ... 28.8 V, DC 21.6...28.8 V
	Power consumption - running	6 W
	- holding	2.5 W
	For transformer/wire sizing	10 VA
	Connecting cable	Cable 1 m, 5 x 0.75 mm ²
	Control signal Y	DC 0...10 V @ input resistance 100KΩ
	Operating range	DC 2...10V
	Measuring voltage U	DC 2...10V@max. 0.5mA
	Synchronisation	± 5%
	Weight	2700 g
Common technical data	Torque - Motor	min.15 Nm
	- Spring return	min.15 Nm
	Auxiliary switch(AF...S)	2xSPDT 6 (3) A, AC250V <input type="checkbox"/> fixed 5% <input type="checkbox"/> , adjustable 28..94% <input type="checkbox"/>
	Angle of rotation	max. 95°
	Direction of rotation - AF24(-S), AF230(-S)	selected by mounting side of L/R
	- AF24-SR	selected by mounting side of L/R or reversing switch
	Sound power level	-motor max. 45 dB(A), spring ≈ 62 dB(A)
	Position indicator	mechanical
	Manual override	hex crank
	Service life	≈60 000 operations
	Running time	motor ≈150s, spring return ≈ 16s
	Ambient temp.	-30°C...+ 50°C
	Non-operation temp.	-40°C...+ 80°C
	Humidity test	to EN 60335-1
	Degree of protection	IP54
EMC	CE according to 89/336/EEC, 92/31/EEC, etc	
Low Voltage Directive	CE according to 73/23/EEC	
Maintenance	maintenance free	

Accessories

WD6-AF Linkage kit for DN50...100 butterfly valve with AF.. actuator, see page 26

Product features

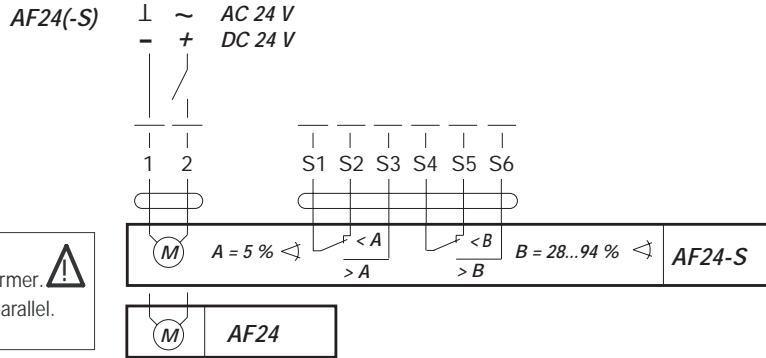
Improved functional safety

The AF.. actuator moves the valve to its normal working position while tensioning the return spring at the same time. If the power supply is interrupted, the energy stored in the spring moves the valve back to its safe position. The actuator is overload proof, needs no limit switches and halts automatically at the end stop.

Variable end switch

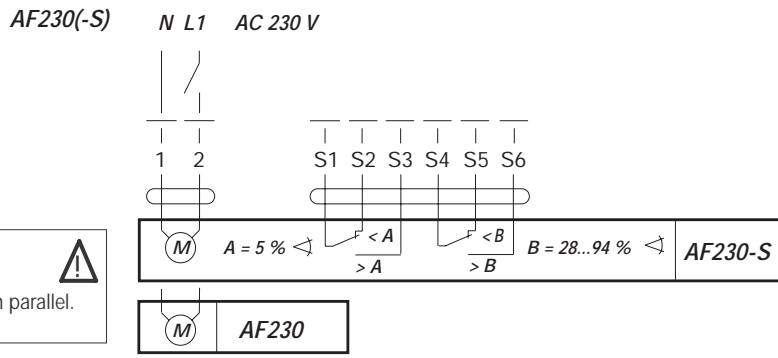
The AF24-S actuator has one fixed auxiliary switch and one adjustable auxiliary switch which allows angle of rotation of 5% and between 28...94% to be signalled.

Wiring diagrams



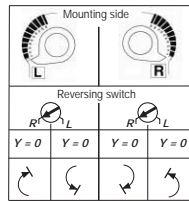
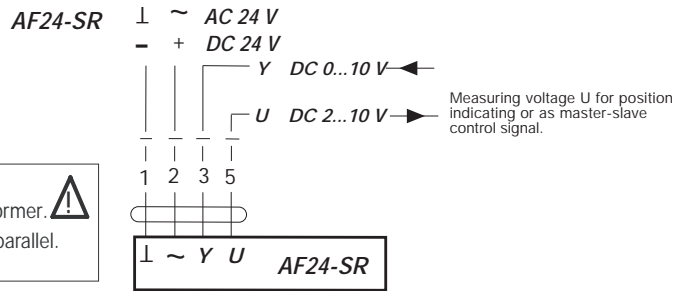
Notes

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



Note

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



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

Dimensions

Unit [mm]

