



Pictures might not correspond with technical data

Rotary Valve Actuator AGSF

ECONEX standard rotary valve actuators are especially designed and produced for HVAC system – and fan coil applications.

Our wide range of ECONEX standard rotary valve actuators has been developed to operate and position 2 - 3 way ball valves of different sizes.

TECHNICAL FEATURES

Torque	5 Nm	Angle of rotation	0°...90° (95° mechanical)
Valve size	DN15 (1/2") / DN20 (3/4")	Angle of limiting	mechanical end stop
Shaft dimensions	9 mm square fix with bracket	Weight	< 0.8 kg
Power supply	230V AC ± 10% - 50-60 Hz AC/DC 24V ± 15% - 50-60 Hz	Life cycle	60'000 rotation
Control signal (Input)	ON-OFF 2/3 point 0(2)...10V DC / 0(4)...20mA (only AC/DC 24V)	Sound level motor and EFS	42 dB (A)
Output signal	0...10V	IP protection	IP 54 (dust protected & protected against splash water)
Auxiliary switch rating	3(1.5) A, AC 250V (SPDT)	Operating temperature	-20°...+50° C / IEC 721-3-3
Power consumption	operating 1.2 W end position 0.8 W	Non-operating temperature	-30°...+80° C / IEC 721-3-2
For wire sizing	2.0 VA	Ambient humidity	5%...95% rH non condensing
Protection class	III 24V and II 230V	Maintenance	Maintenance free
		Mode of operation	Type I / EN 60730-1
		EMC	CE according to 2004 / 108/EC
		Customer version	on request

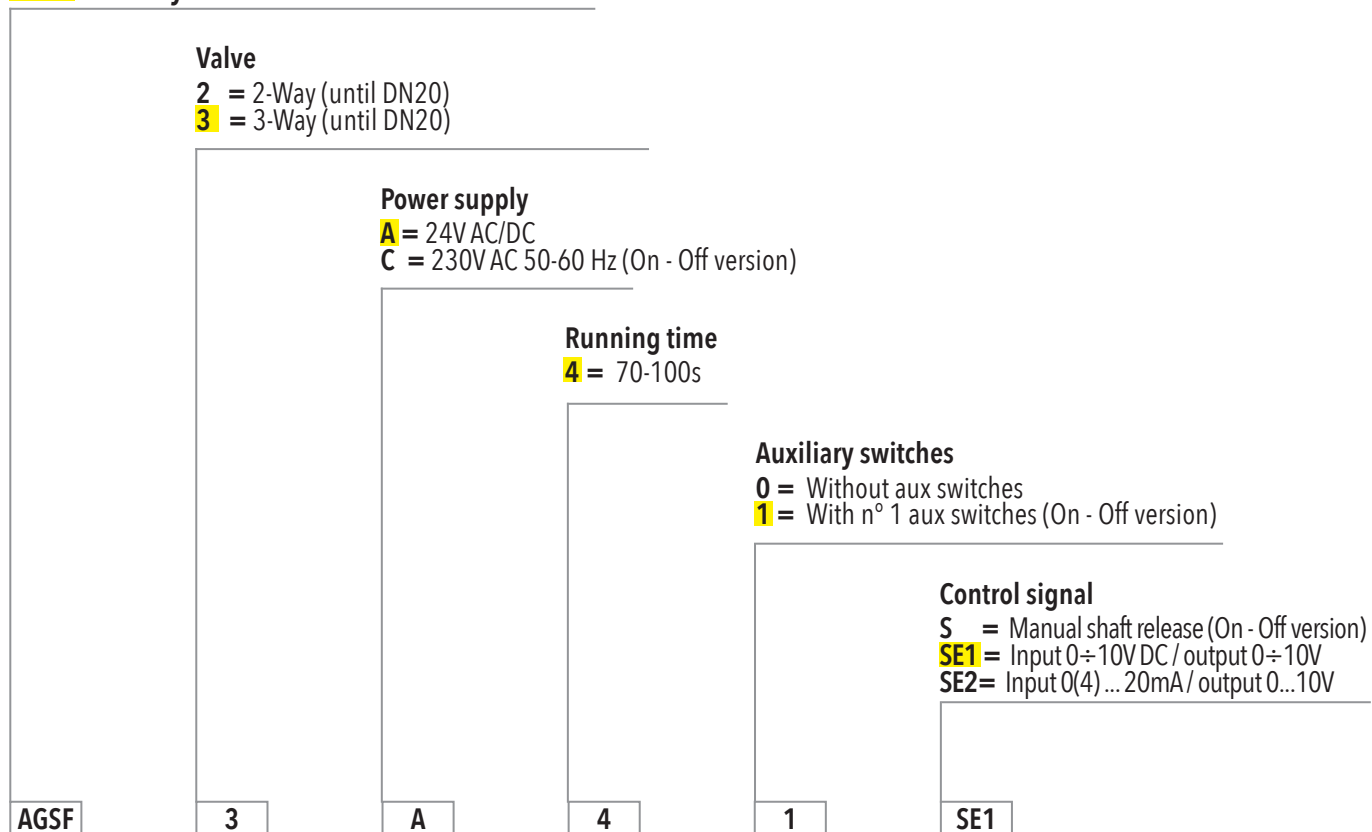
FEATURES

- NVCB... ball valve size DN15 / DN20
- Power supply: 230V AC 50-60 HZ
AC 230V - 50/60 Hz - DC 24V
- Control Y 0(2)...10 VDC / 0(4)...20 mA / 2.3. Point
- Position feedback U 0...10 V
- Shaft dimensions
9 mm square fix with bracket
NVCB... ball valve
- Selectable direction of rotation by switch
- Actuator with 1000 mm cable connection

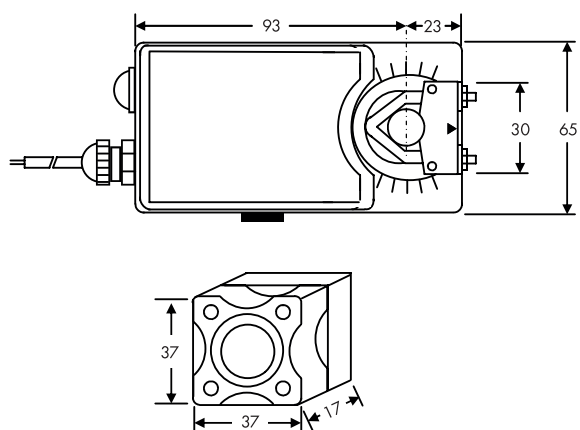
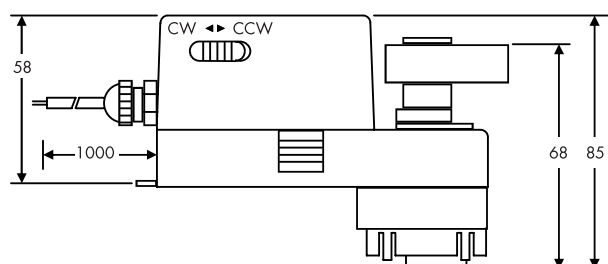
MODELS

70...100 SEC				
Models	Torque	Running time	Power supply	Auxiliary Switch
AGSF...	5 Nm	70...100 sec	AC/DC 24V \pm 15%	No
AGSF...	5 Nm	70...100 sec	AC 230V \pm 10%	Yes

AGSF = Rotary Valve Actuator for ball valves 5 Nm



DIMENSIONS



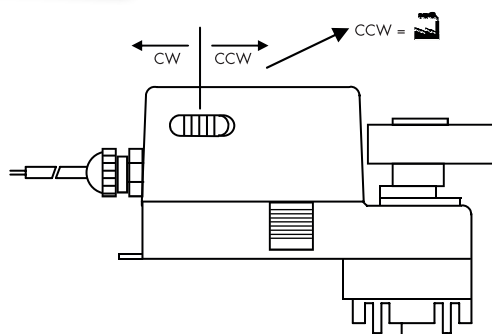
ROTATION ADJUSTMENT & MECHANICAL LIMITING ANGLE

CHANGING DIRECTION OF ROTATION

Factory-set CCW!

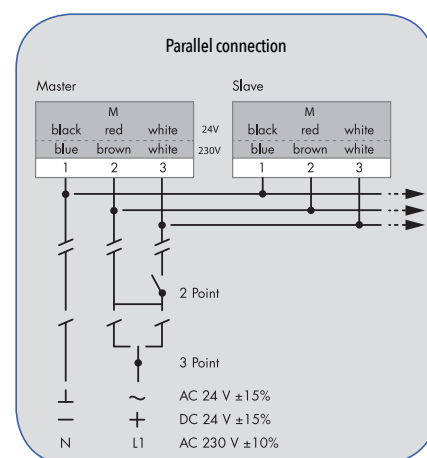
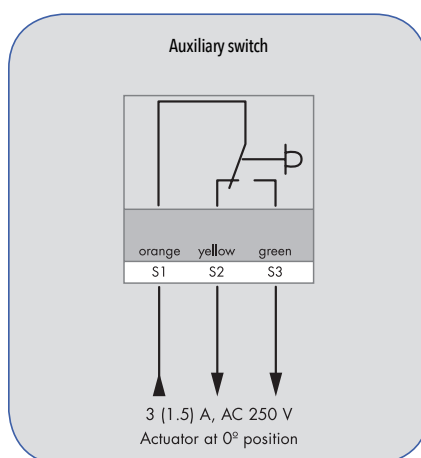
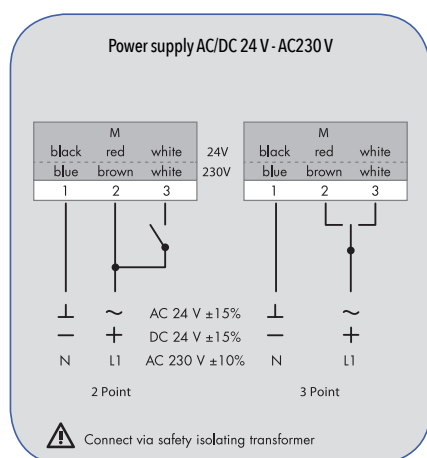
The direction of rotation can be changed by pushing the CW/CCW switch on the actuator's housing.

Ball valve actuators must operate CCW!

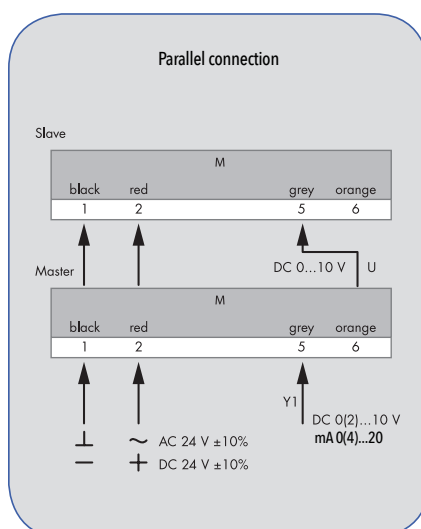
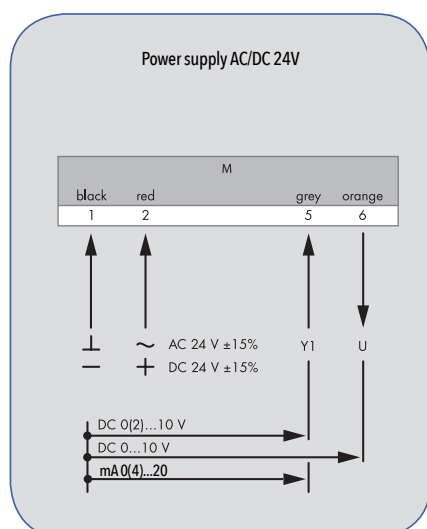


WIRING DIAGRAM

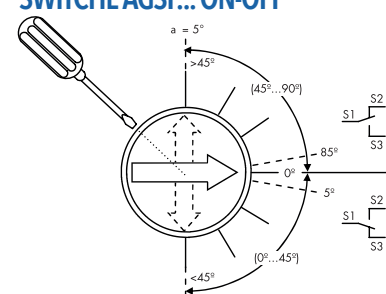
ON-OFF VERSION



MODULATING VERSION



ADJUSTMENT OF AUXILIARY SWITCHES AGSF... ON-OFF



Switch is factory-set at 5°

The auxiliary switch can be optimally adjusted between 0°...90°.

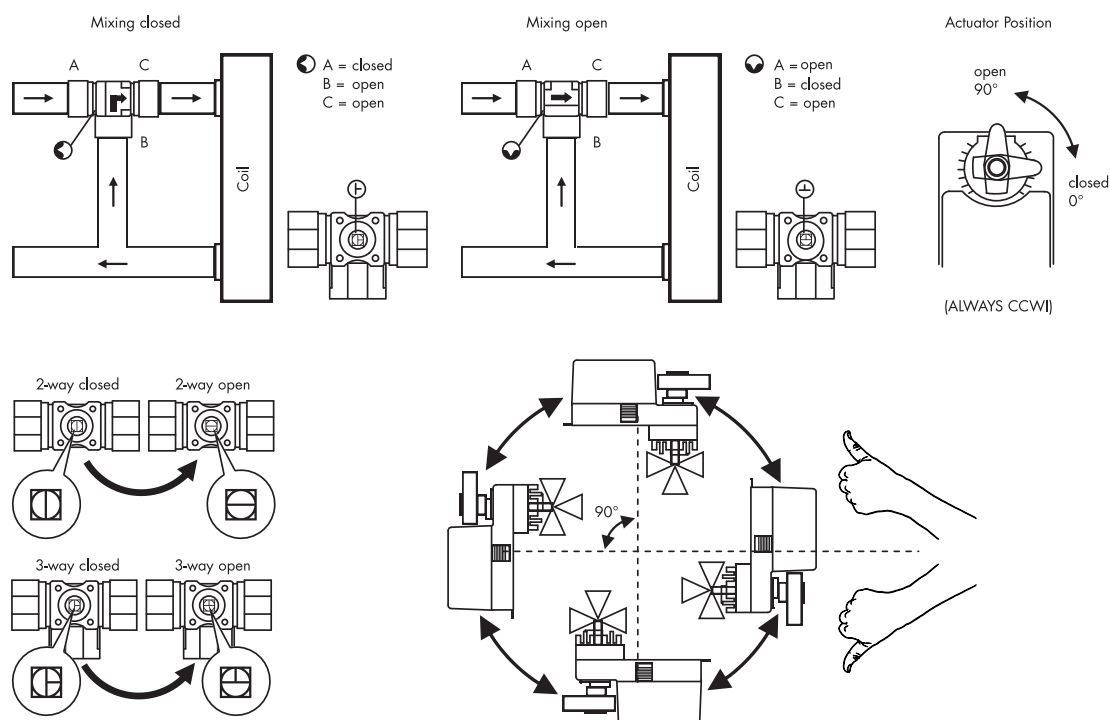
REMARK

For more details of installation and commission.

AGSF... actuators operate in parallel (max. 5 actuators), the output signal $U = DC 0...10 V$ (terminal 6) of the master actuator must be connected to terminal 5 of the next slave actuator.

The power consumption and distance between master and slave must be observed. For more details of installation and commissioning, please observe our mounting instruction manual ASR.

INSTALLATION EXAMPLE



SAFETY NOTES

IMPORTANT REMARKS

This actuator includes electrical and electronic components and may not be disposed as household garbage. Please consider the local valid legislation. 

AC/DC 24V: Connect via safety isolating transformer.

Consult ECONEX representatives for specific requirements and material selections for your intended application. The entire content of this technical datasheet is protected by copyright with all rights reserved ©.

The performance specifications are nominal and conform to acceptable industry standards. ECONEX shall not be liable for damages resulting from misapplication or misuse of its products.

CUSTOMISED VERSION

ECONEX offers you actuators in customised versions, e.g. with your own brand name, with colour-coordinated applications and with your particular demand on request.

Please contact us for further information.