

- General Rotary Actuators for:
- Torque: 72Nm
- Modulating control: DGRVU24-SR (AC/DC 24V)
- Open/Close or 3-point control: DGRVU24 (AC/DC 24V)  
DGRVU230 (AC 100...240V)



## Technical data

Basic technical data	Torque	Min. 72Nm @ nominal voltage
	Angle of rotation	90°
	Direction of rotation	Pre-set ↗ to close (switch hidden under a label)
	Sound power level	~45dB(A)
	Position indicator	Mechanical, remote visible
	Running time	150s
	Mode of operation	Type 1 (EN 60730-1)
	Ambient temp.	-30...+50°C
	Non-operation temp.	-40...+80°C
	Humidity	5...95% RH, non-condensing
	Degree of protection	IP54
	EMC	CE according to 89/336/EEC
	Low voltage directive	CE according to 73/23/EEC
	Maintenance	Maintenance-free
<b>DGRVU24-SR</b>	Nominal voltage	AC 24V 50/60Hz, DC 24V
	Nominal voltage range	AC 19.2...28.8V / DC 21.6...28.8V
	Power consumption -running	9W
	-holding	4W
	For transformer sizing	13VA
	Connecting cable	2 cables 1m, 4x0.75mm <sup>2</sup>
	Control signal Y	DC (0)2...10V @ input impedance 100kΩ
	Position feedback signal U	DC 2...10V @ max. 0.5mA
	Position accuracy	±5%
	Manual override	Not allowed
	Protection class	III (safety extra-low voltage)
	Weight	5.0kg
<b>DGRVU24</b>	Nominal voltage	AC 24V 50/60Hz, DC 24V
	Nominal voltage range	AC/DC 19.2...28.8V
	Power consumption -running	8W
	-holding	4W
	For transformer sizing	12VA
	Connecting cable	2 cables 1m, 3x0.75mm <sup>2</sup>
	Manual override	Gearing disengaged by pressing the push button, manual operation while the button is held depressed
	Protection class	III (safety extra-low voltage)
	Weight	5.0kg
<b>DGRVU230</b>	Nominal voltage	AC 100...240V 50/60Hz
	Nominal voltage range	AC 85...265V
	Power consumption -running	8W
	-holding	4W
	For transformer sizing	14VA
	Connecting cable	2 cables 1m, 3x0.75mm <sup>2</sup>
	Manual override	Gearing disengaged by pressing the push button, manual operation while the button is held depressed
	Protection class	II (Totally insulated)
	Weight	5.0kg

## Product features

### Mode of operation

DGRVU24-SR is controlled by means of a standard control signal DC (0)2...10V and travels to the position defined by the signal. The feedback signal U allows the valve position (0...100%) to be electrically indicated and serves as a follow-up control signal for other actuators.

### 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.

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## Wiring diagrams

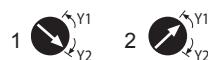
### DGRVU24-SR

#### Notes:

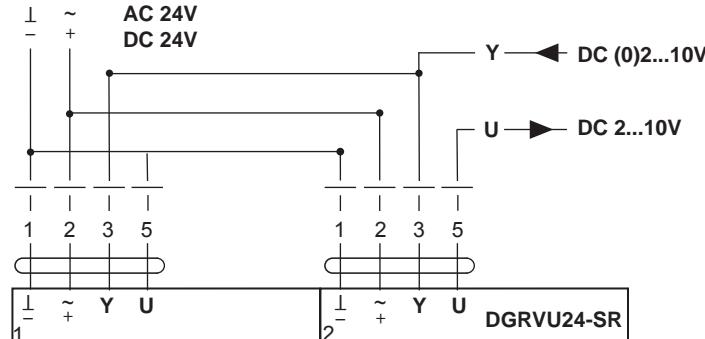
- Connection via safety isolating transformer.
  - Other actuators can be connected in parallel.
- Please note the performance data.



#### Direction of rotation



### Modulating control



### DGRVU24

#### Notes:

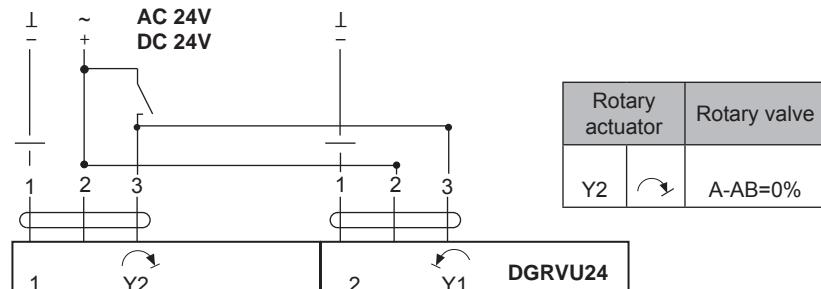
- Connection via safety isolating transformer.
  - Other actuators can be connected in parallel.
- Please note the performance data.



#### Direction of rotation



### Open/Close



### DGRVU230

#### Notes:

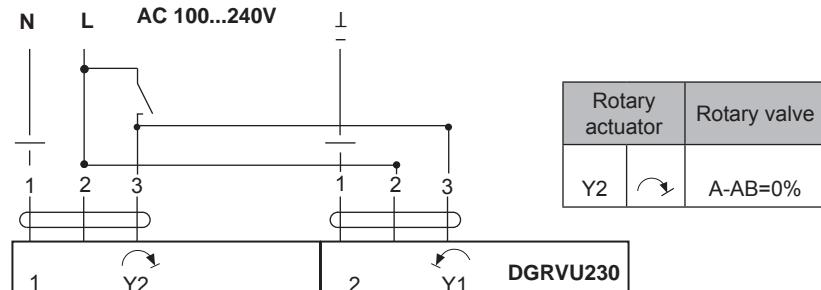
- Caution: Power supply voltage!
  - Parallel connection of other actuators possible.
  - Direction of rotation switch is covered.
- Factory setting: Direction of rotation Y2



#### Direction of rotation



### Open/Close



Dimensions [mm]

