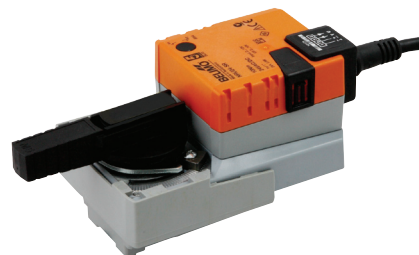


- General Rotary Actuators for: 2-way DN50 CCV
3-way DN32...50 CCV
10Nm
- Torque: NRU24-SR (AC/DC 24V)
- Modulating control: NRU24(-S) (AC/DC 24V)
- Open/Close or 3-point: NRU230(-S) (AC 100...240V)



Technical data

Basic technical data	Torque	Min. 10Nm @ nominal voltage
	Angle of rotation	90°
	Direction of rotation	Selectable by switch (covered): Factory preset  change to  to reverse the direction of rotation
	Sound power level	Max. 35dB(A)
	Position indicator	Mechanical
	Running time	90s
	Ambient temp.	0...+50°C
	Non-operation temp.	-40...+80°C
	Temp. of medium	-5...+100°C (in control ball valve)
	Humidity	5...95% RH, non-condensing
	Degree of protection	IP54
	EMC	CE according to 89/336/EEC
	Maintenance	Maintenance-free
NRU24-SR	Nominal voltage range	AC/DC 19.2...28.8V, 50/60Hz
	Power consumption -running	1.5W @ nominal torque
	-holding	0.2W
	For transformer sizing	3.5VA
	Connecting cable	Cable 1m, 4x0.75mm ²
	Control signal Y	DC (0)2...10V @ input impedance 100kΩ
	Position feedback signal U	DC 2...10V @ max. 1mA
	Position accuracy	±5%
	Protection class	III (Extra-low voltage)
	Weight	0.75kg
NRU24(-S)	Nominal voltage range	AC/DC 19.2...28.8V, 50/60Hz
	Power consumption -running	1.5W @ nominal torque
	-holding	0.2W
	For transformer sizing	3.5VA
	Connecting cable -motor	Cable 1m, 3x0.75mm ²
	-S	Cable 1m, 3x0.75mm ²
	Protection class	III (Extra-low voltage)
	Auxiliary switch (NRU24-S)	1XSPDT, 1mA...3(0.5)A, AC 250V 0...100% adjustable
	Weight	0.8kg
	Nominal voltage range	AC 85...265V, 50/60Hz
NRU230(-S)	Power consumption -running	2.5W @ nominal torque
	-holding	0.4W
	For transformer sizing	5.5VA
	Connecting cable -motor	Cable 1m, 3x0.75mm ²
	-S	Cable 1m, 3x0.75mm ²
	Protection class	II (Totally insulated)
	Auxiliary switch (-S)	1XSPDT, 1mA...3(0.5)A, AC 250V 0...100% adjustable
	Low voltage directive	CE according to 73/23/EEC
	Weight	0.8kg

Product features

Simple direct mounting

Simple direct mounting on the Ball Valve using only one screw.

Manual operation

Manual operation by push button when necessary.

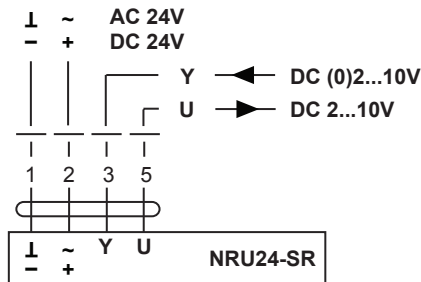
High function reliability

The actuator is overload-proof, needs no limit switches and stops automatically at the end stops.

Wiring diagrams

NRU24-SR

Modulating control

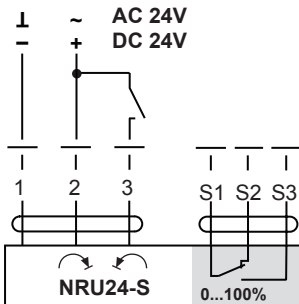


Notes:

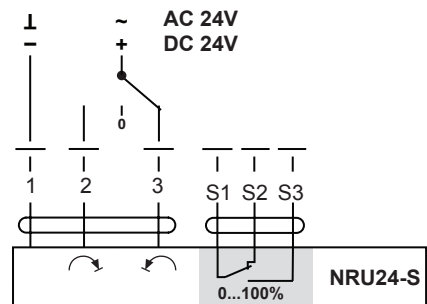
- Connection via safety isolating transformer.
 - Other actuators can be connected in parallel.
- Please note the performance data.

NRU24(-S)

Open/Close control



3-point control



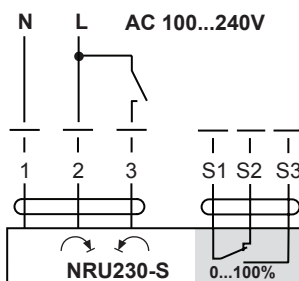
Notes:

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

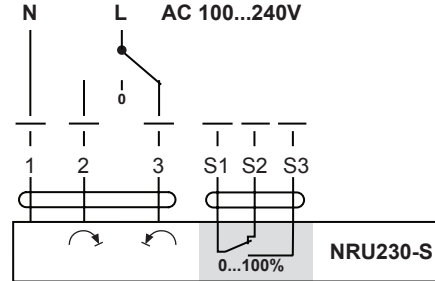


NRU230(-S)

Open/Close control

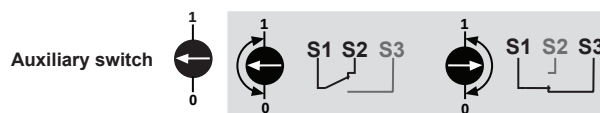


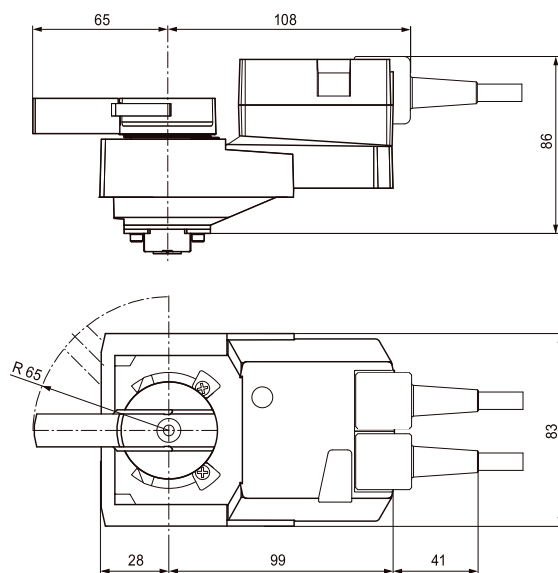
3-point control



Notes:

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



Dimensions [mm]: NRU..
NRU..(-S)

NRU24-MF
