

**Modulating damper actuator for adjusting dampers in technical building installations**

- Nominal torque 40Nm
- Nominal voltage AC/DC 24V
- Control modulating DC (0)2...10V
- Position feedback DC 2...10V

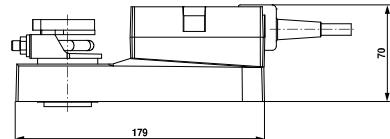
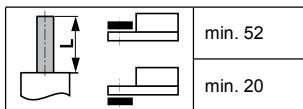


### Technical data

<b>Electrical data</b>	Nominal voltage	AC/DC 24V
	Nominal voltage frequency	50/60Hz
	Nominal voltage range	AC 19.2...28.8V / DC 19.2...28.8V
	Power consumption in operation	4.5W
	Power consumption at rest	2W
	Power consumption for wire sizing	6.5VA
	Sensor element	Cable 1m, 4 x 0.75mm <sup>2</sup>
<b>Functional data</b>	Torque motor	min. 40Nm
	Control positioning signal Y	DC (0)2...10V
	Control positioning signal Y note	Typical input impedance 100kΩ
	Control operating range	DC 2...10V
	Position feedback (measuring voltage U)	DC 2...10V
	Position feedback measuring voltage U note	Max. 1mA
	Position accuracy	±5%
	Direction of rotation motor	Can be selected with switch 0/1
	Running direction	Y = 0V: At switch position 0 (counter-clockwise rotation) / 1 (clockwise rotation)
	Manual override	Gear disengagement with push-button, can be locked
	Angle of rotation	max. 95°
	Running time motor	150s / 90°
	Sound power level motor max.	45dB(A)
	Spindle driver	Universal spindle clamp reversible 12...26mm
	Position indication	Mechanical, pluggable
<b>Safety</b>	Protection class IEC/EN	III Safety extra-low voltage
	Protection class UL	UL Class 2 Supply
	Degree of protection IEC/EN	IP54 in all mounting positions
	Degree of protection NEMA/UL	NEMA 2, UL Enclosure Type 2
	EMC	CE according to 2014/30/EU
	Certification IEC/EN	Certified to IEC/EN 60730-1 and IEC/EN 60730-2-14
	Mode of operation	Type 1
	Rated current voltage motor	0.8kV
	Control pollution degree	3
	Ambient temperature	-30...50°C
	Non-operating temperature	-40...80°C
	Ambient humidity	95% r.h., non-condensing
	Maintenance	Maintenance-free
<b>Weight</b>	Weight	Approx. 1.8kg

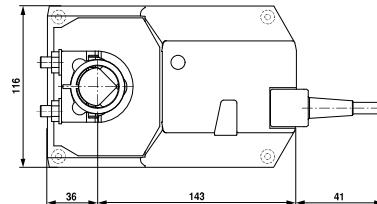
### Dimensions [mm]

#### Dimensional drawings

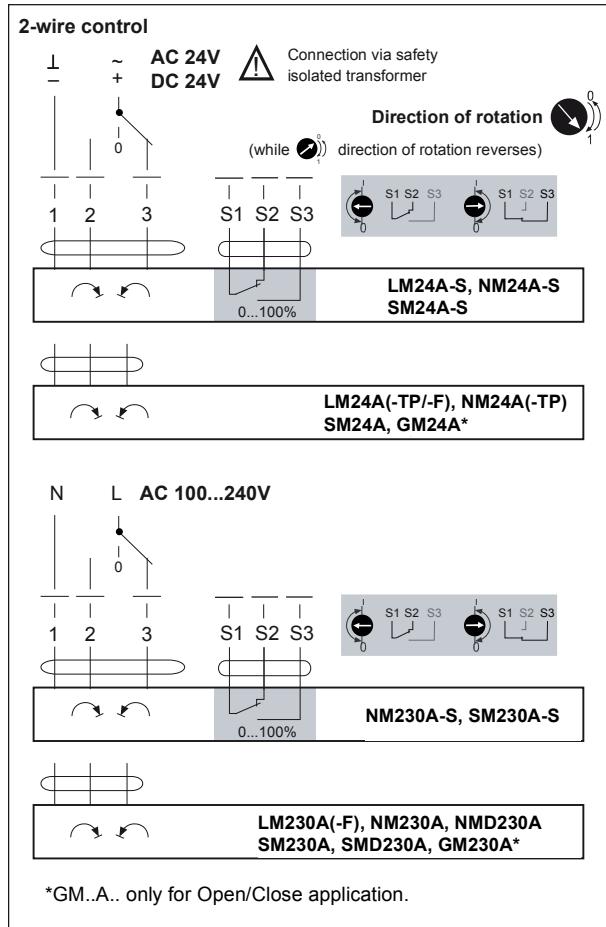
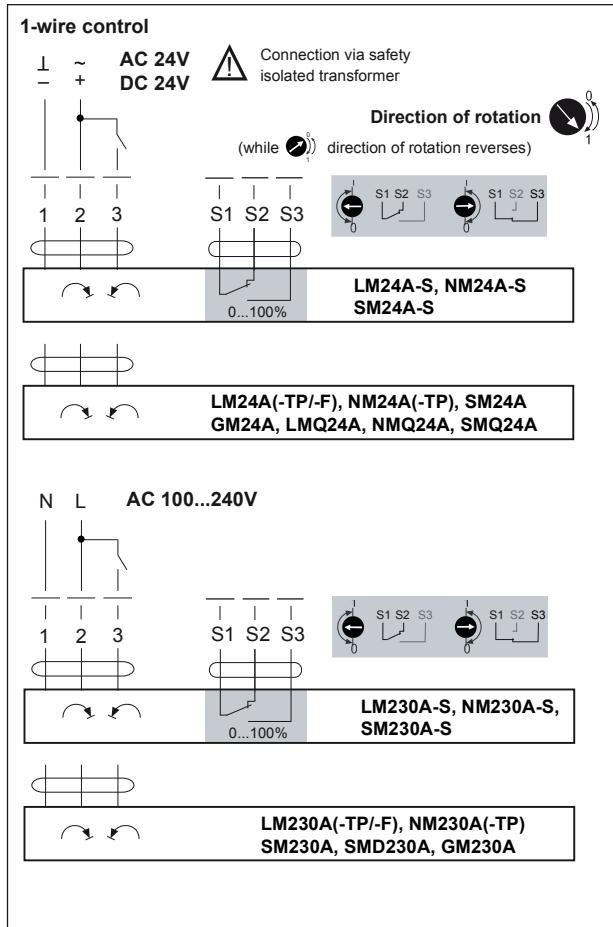


#### Clamping ranges

12...22	12...18	
22...26.7	12...18	

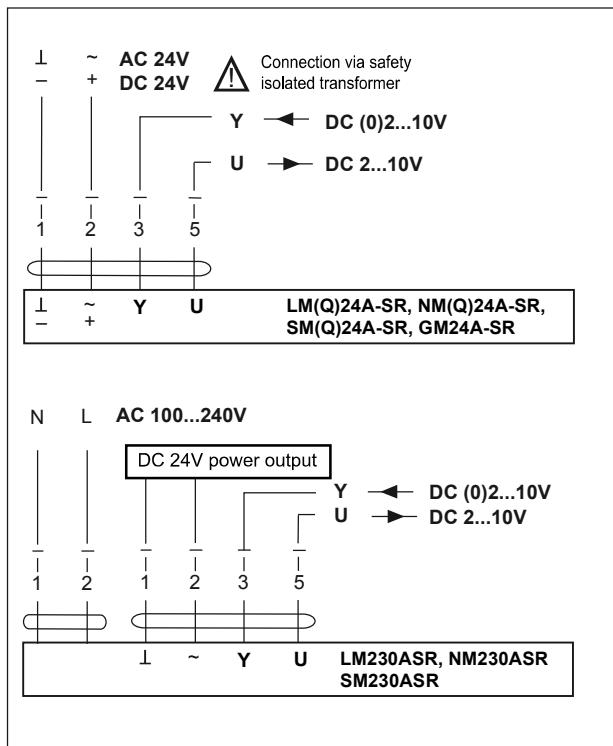


## Wiring diagrams: Open/Close actuators – parallel connection possible, please note the performance data

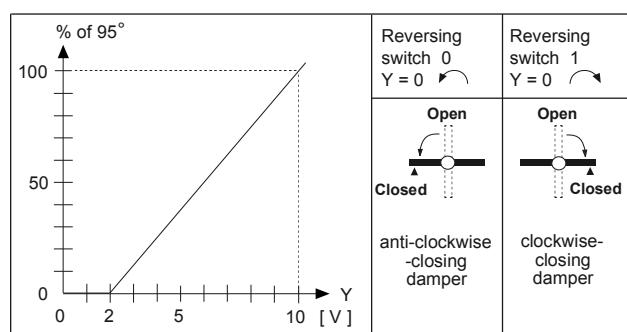


\*GM..A.. only for Open/Close application.

## Wiring diagrams: Modulating actuators – parallel connection possible, please note the performance data



## Position - signal voltage



Direction of rotation