

Damper actuator for operating air control dampers in ventilation and air-conditioning systems for building services installations

- For air control dampers up to approx. 8m²
- Torque 40Nm
- Nominal voltage AC/DC 24V
- Control: Open-close
(not made for 3-point applications)



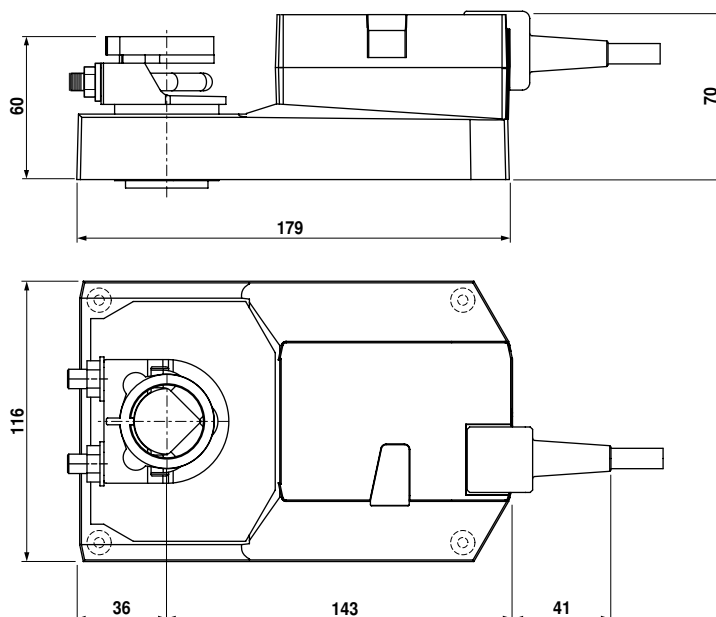
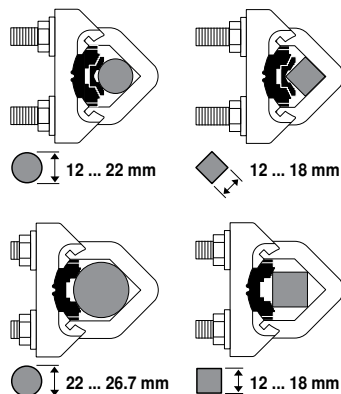
Technical data

Electrical data	Nominal voltage	AC 24V, 50/60Hz DC 24V
	Nominal voltage range	AC/DC 19.2...28.8V
	Power consumption	In operation 4W @ nominal torque At rest 2W For wire sizing 6VA
	Connection	Cable 1m, 3 x 0.75mm ²
Functional data	Torque (nominal torque)	Min. 40Nm @ nominal voltage
	Direction of rotation	Reversible with switch 0 ↺ or 1 ↻
	Manual override	Gearing latch disengaged with pushbutton, detentable
	Angle of rotation	Max. 95°↔, limited on both sides by means of adjustable, mechanical end stops
	Running time	150s / 90°↔
	Sound power level	Max. 45dB(A)
	Position indication	Mechanical, pluggable
	Safety	Protection class
Degree of protection		IP54 in any mounting position
EMC		CE according to 2004/108/EC
Mode of operation		Type 1 (EN 60730-1)
Rated impulse voltage		0.8kV (EN 60730-1)
Control pollution degree		3 (EN 60730-1)
Ambient temperature range		-30...+50°C
Non-operating temperature		-40...+80°C
Ambient humidity range		95% r.H., non-condensating (EN 60730-1)
Maintenance		Maintenance-free
Dimensions / Weight	Dimensions	See «Dimensions»
	Weight	Approx. 1.7kg

Dimensions [mm]

Dimensional drawings

Damper spindle	Length	○ I	■ I	◇ I
	> 52	12...26.7	>12	<25.2
	> 20	12...26.7	>12	<25.2



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

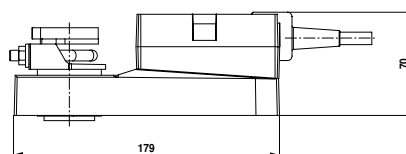
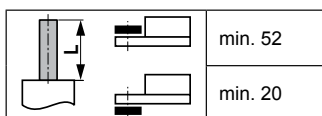


Technical data

Electrical data	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 ²
Functional data	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
Safety	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 2004/108/EC
	Certification IEC/EN	Certified to IEC/EN 60730-1 and IEC/EN 60730-2-14
	Certification UL	cULus according to UL 60730-1A, UL 60730-2-14 and CAN/CSA E60730-1:02
	Mode of operation	Type 1
	Rated current voltage motor	0.8kV
	Control pollution degree	3
Weight	Ambient temperature	-30...50°C
	Non-operating temperature	-40...80°C
	Ambient humidity	95% r.h., non-condensing
	Maintenance	Maintenance-free
	Weight	Approx. 1.8kg

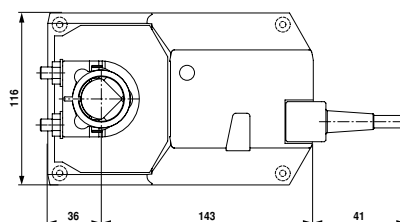
Dimensions [mm]

Dimensional drawings



Clamping ranges

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



UL marked actuators is optional, please contact your local Sales Representative for details.

Damper actuator for operating air control dampers in ventilation and air-conditioning systems for building services installations

- Torque 40Nm
- Nominal voltage AC 100...240V
- Control: Open-close
(not made for 3-point applications)



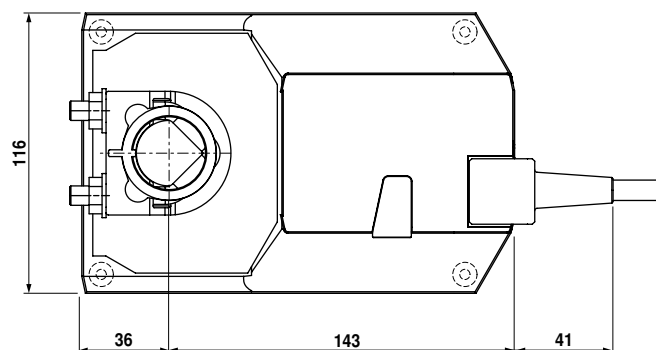
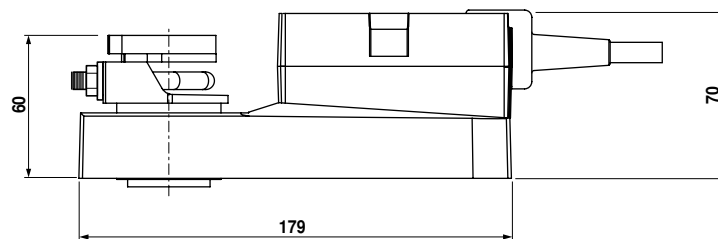
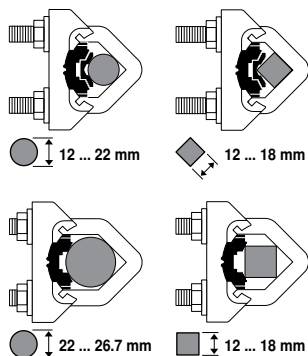
Technical data

Electrical data	Nominal voltage	AC 100...240V, 50/60Hz
	Nominal voltage range	AC 85...265V
	Power consumption	In operation 5W @ nominal torque At rest 2W For wire sizing 9VA
	Connection	Cable 1m, 3 x 0.75mm ²
Functional data	Torque (nominal torque)	Min. 40Nm @ nominal voltage
	Direction of rotation	Reversible with switch 0 ↺ or 1 ↻
	Manual override	Gearing latch disengaged with pushbutton, detentable
	Angle of rotation	Max. 95°↔, limited on both sides by means of adjustable, mechanical end stops
	Running time	150s / 90°↔
	Sound power level	Max. 45dB(A)
	Position indication	Mechanical, pluggable
	Safety	Protection class
Degree of protection		IP54 in any mounting position
EMC		CE according to 2004/108/EC CE according to 2006/95/EC
Low voltage directive		
Mode of operation		Type 1 (EN 60730-1)
Rated impulse voltage		2.5kV (EN 60730-1)
Control pollution degree		3 (EN 60730-1)
Ambient temperature range		-30...+50°C
Non-operating temperature		-40...+80°C
Ambient humidity range		95% r.H., non-condensating (EN 60730-1)
Maintenance		Maintenance-free
Dimensions / Weight	Dimensions	See «Dimensions»
	Weight	Approx. 1.8kg

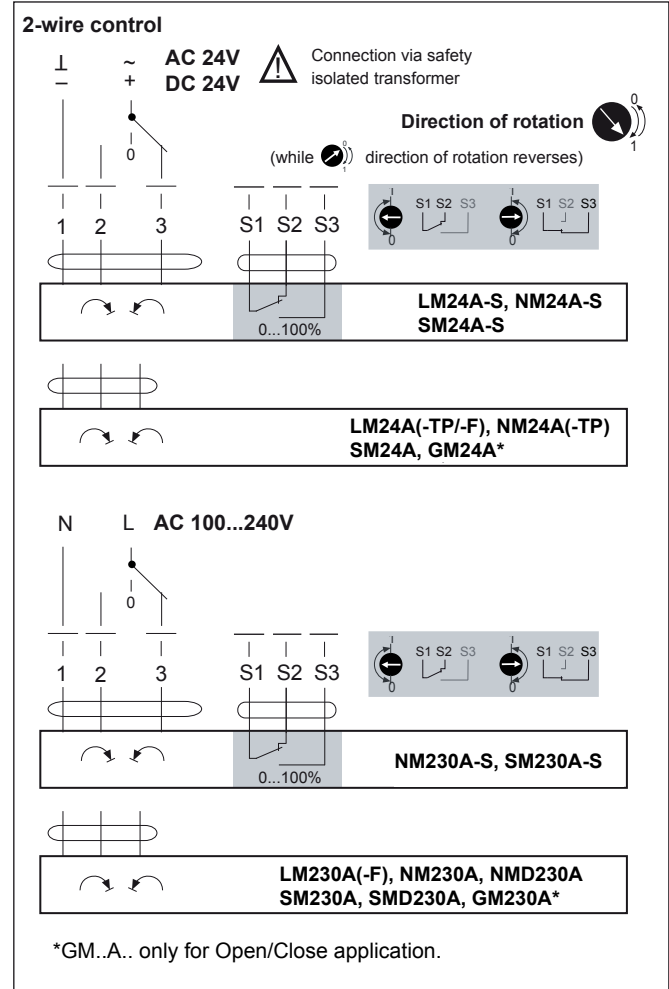
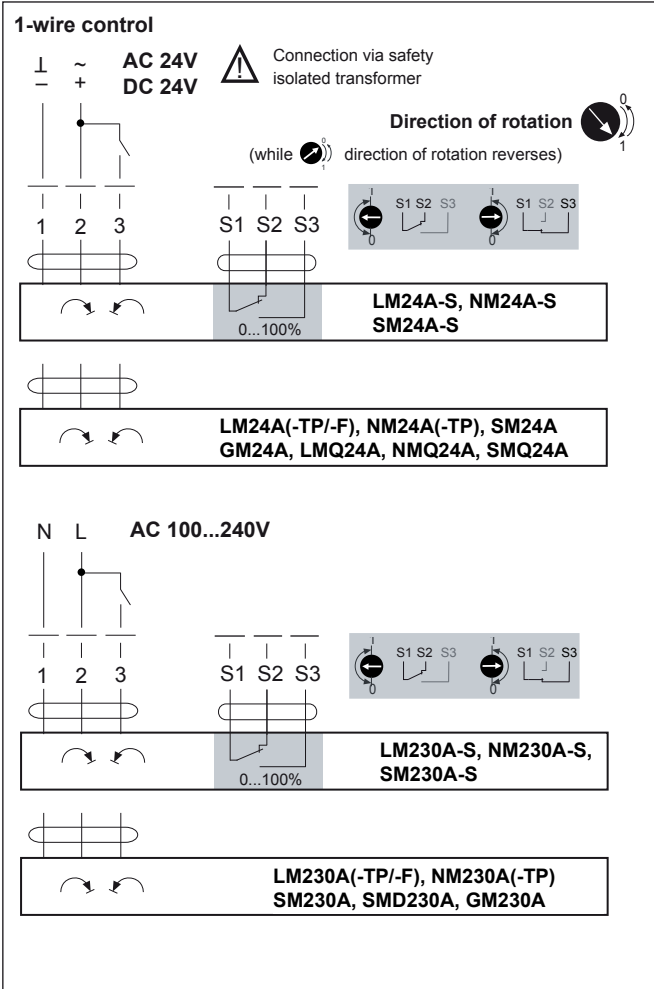
Dimensions [mm]

Dimensional drawings

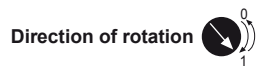
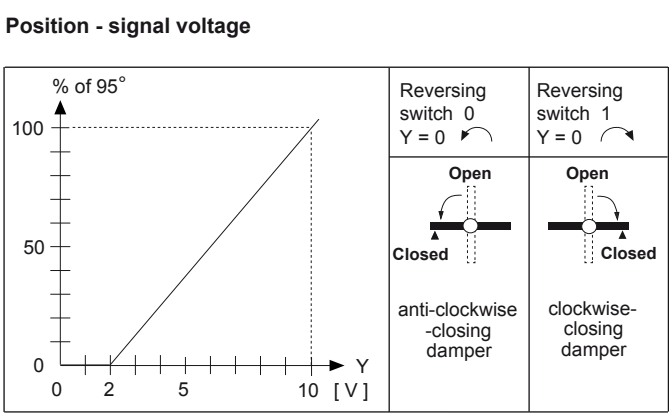
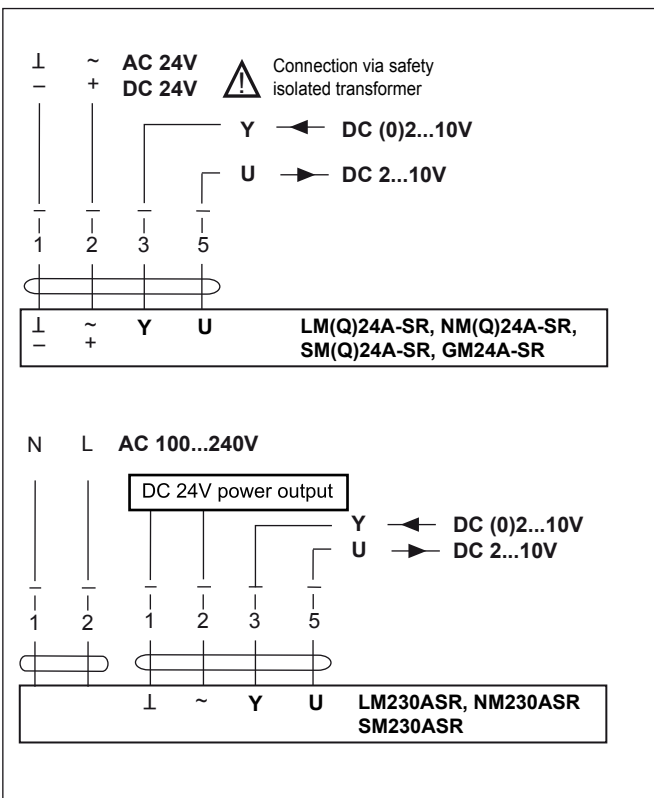
Damper spindle	Length	● I	■ I	◆ I
	> 52	12...26.7	>12 < 25.2	
	> 20	12...26.7	>12 < 25.2	



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



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



V6.2.03.2015•Subject to modification