

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

- Torque 20Nm
- Nominal voltage AC/DC 24V
- Control: Open-close or 3-point

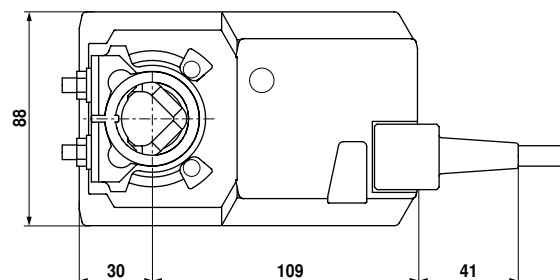
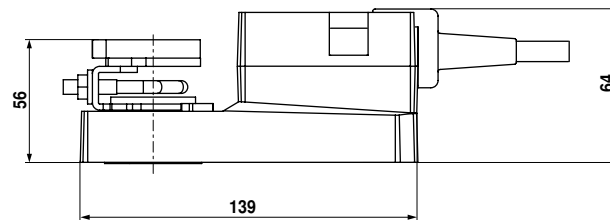


Technical data

Electrical data	Nominal voltage	AC 24V, 50/60Hz / DC 24V
	Nominal voltage range	AC 19.2...28.8V / DC 21.6...28.8V
	Power consumption	In operation 2W @ nominal torque At rest 0.2W For wire sizing 4VA
	Connection	Cable 1m, 3 x 0.75mm ²
Functional data	Torque (nominal torque)	Min. 20Nm @ nominal voltage
	Direction of rotation	Reversible with switch 0 ↺ resp. 1 ↻
	Manual override	Gearing latch disengaged with pushbutton, can be locked
	Angle of rotation	Max. 95°↔, can be limited at both ends with adjustable mechanical end stops
	Running time	150s / 90°↔
	Sound power level	Max. 45dB(A)
	Position indication	Mechanical, pluggable
Safety	Protection class	III Safety extra-low voltage / UL Class 2 Supply
	Degree of protection	IP54 in any mounting position NEMA 2, UL Enclosure Type 2
	EMC	CE according to 2004/108/EC
	Certification	cULus according to UL 60730-1A and UL 60730-2-14 and CAN/CSA E60730-1:02 Certified to IEC/EN 60730-1 and IEC/EN 60730-2-14
	Mode of operation	Type 1
	Rated impulse voltage	0.8kV
	Control pollution degree	3
	Ambient temperature range	-30...+50°C
	Non-operating temperature	-40...+80°C
	Ambient humidity range	95% r.h., non-condensating
Maintenance	Maintenance-free	
Dimensions / Weight	Dimensions	See «Dimensions»
	Weight	Approx. 1.1kg

Dimensions [mm]

Dimensional drawings



Damper spindle	Length	● I	■ I	◆ I
	≥48	10...20 1)	≥10	≤20
	≥20	10...20 1)	≥10	≤20

1) CrNi (INOX) 12...20

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- Torque 20Nm
- Nominal voltage AC/DC 24V
- Control: Open-close or 3-point
- with integrated auxiliary switch

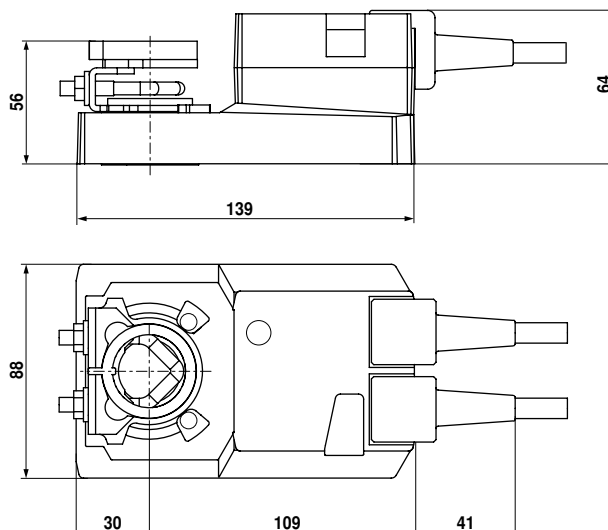


Technical data

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	Nominal voltage range	AC 19.2...28.8V / DC 21.6...28.8V	
	Power consumption	In operation 2W @ nominal torque At rest 0.2W For wire sizing 4VA	
	Auxiliary switch	1 x SPDT, 1mA...3 (0.5) A, AC 250V □ (0...100% adjustable)	
Functional data	Connection	Motor Cable 1m, 3 x 0.75mm ² Auxiliary switch Cable 1m, 3 x 0.75mm ²	
	Torque (nominal torque)	Min. 20Nm @ nominal voltage	
	Direction of rotation	Reversible with switch 0 ↺ resp. 1 ↻	
	Manual override	Gearing latch disengaged with pushbutton, can be locked	
	Angle of rotation	Max. 95°↔, can be limited at both ends with adjustable mechanical end stops	
	Running time	150s / 90°↔	
	Sound power level	Max. 45dB(A)	
	Position indication	Mechanical, pluggable	
	Safety	Protection class	III Safety extra-low voltage / UL Class 2 Supply
		Degree of protection	IP54 in any mounting position NEMA 2, UL Enclosure Type 2
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Dimensions [mm]

Dimensional drawings



Damper spindle	Length	● I	■ I	◆ I
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Damper actuator for adjusting air dampers in ventilation and air-conditioning systems for building services installations

- Torque 20Nm
- Nominal voltage AC 100...240V
- Control: Open-close or 3-point

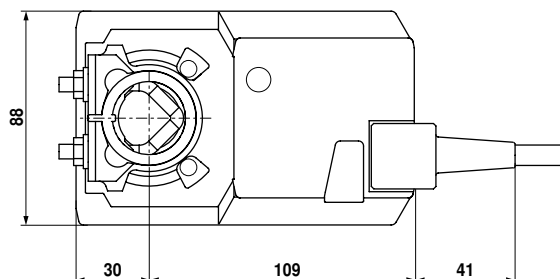
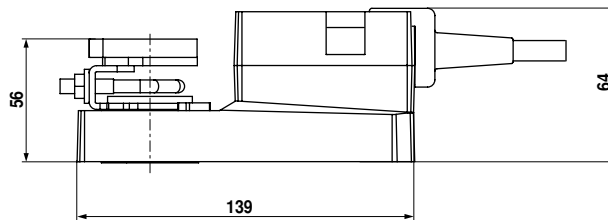


Technical data

Electrical data	Nominal voltage	AC 100...240V, 50/60Hz
	Nominal voltage range	AC 85...265V
	Power consumption	In operation 2.5W @ nominal torque At rest 0.6W
	For wire sizing	6VA
	Connection	Cable 1m, 3 x 0.75mm ²
Functional data	Torque (nominal torque)	Min. 20Nm @ nominal voltage
	Direction of rotation	Reversible with switch 0 ↺ resp. 1 ↻
	Manual override	Gearing latch disengaged with pushbutton, can be locked
	Angle of rotation	Max. 95° ↔, can be limited at both ends with adjustable mechanical end stops
	Running time	150s / 90° ↔
	Sound power level	Max. 45dB(A)
	Position indication	Mechanical, pluggable
Safety	Protection class	II Totally insulated □
	Degree of protection	IP54 in any mounting position NEMA 2, UL Enclosure Type 2
	EMC	CE according to 2004/108/EC
	Low voltage directive	CE according to 2006/95/EC
	Certification	Certified to IEC/EN 60730-1 and IEC/EN 60730-2-14
	Mode of operation	Type 1
	Rated impulse voltage	2.5kV
	Control pollution degree	3
	Ambient temperature range	-30...+50°C
	Non-operating temperature	-40...+80°C
	Ambient humidity range	95% r.h., non-condensating
	Maintenance	Maintenance-free
Dimensions / Weight	Dimensions	See «Dimensions»
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Dimensions [mm]

Dimensional drawings



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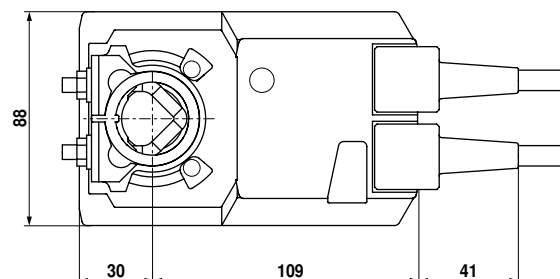
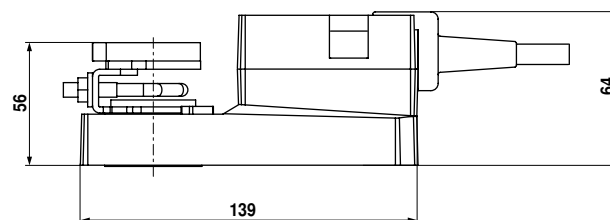


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Dimensions [mm]

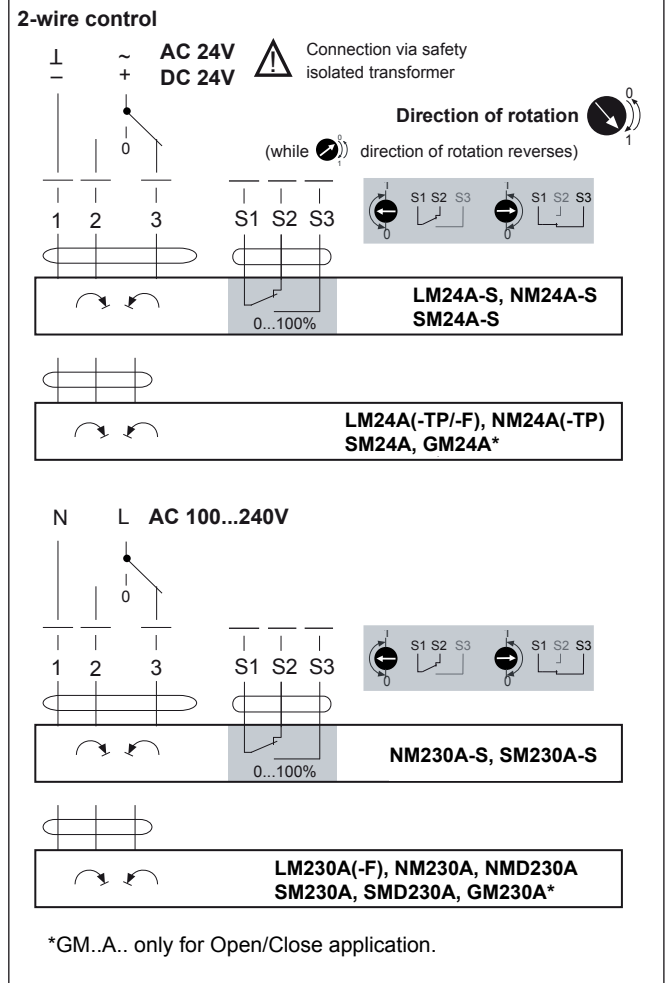
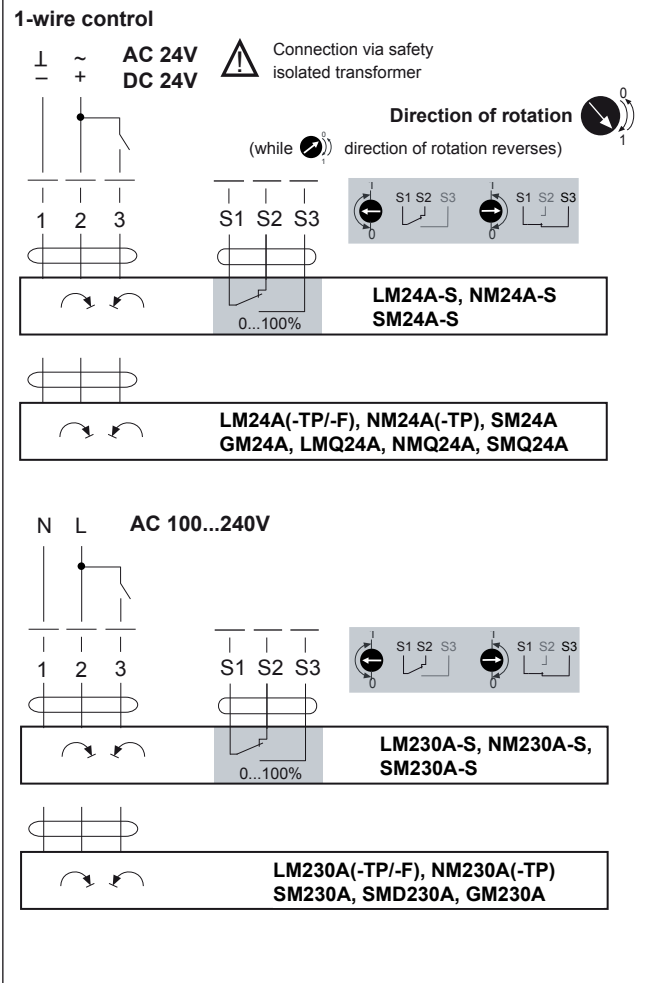
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Wiring diagrams: Open/Close actuators – parallel connection possible, please note the performance data



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

