

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

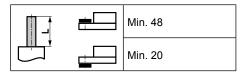


Technical data				
Electrical data	Nominal voltage		AC 24V, 50/60Hz / DC 24V	
	Nominal voltage	range	AC 19.228.8V / DC 21.628.8V	
	Power	In operation	2W @ nominal torque	
	consumption	At rest	0.2W	
		For wire sizing	4VA	
	Connection		Cable 1m, 3 x 0.75mm ²	
Functional data	Torque (nomina	l torque)	Min. 20Nm @ nominal voltage	
	Direction of rota	tion	Reversible with switch 0 🖍 resp. 1 🥆	
	Manual override	•	Gearing latch disengaged with pushbutton, can be locked	
	Angle of rotation	1	Max. 95°⊲, can be limited at both ends with adjustable mechanical end stops	
	Running time		150s / 90°⊲	
	Sound power le	vel	Max. 45dB(A)	
	Position indication		Mechanical, pluggable	
Safety	Protection class		III Safety extra-low voltage / UL Class 2 Supply	
	Degree of prote	ction	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 v		0.8kV	
	Control pollution		3	
	Ambient temper		–30+50°C	
	Non-operating to		–40+80°C	
	Ambient humidit	ty range	95% r.h., non-condensating	
	Maintenance		Maintenance-free	
Dimensions / Weight	Dimensions		See «Dimensions»	
	Weight		Approx. 1.1kg	

Dimensions [mm]

Dimensional drawings

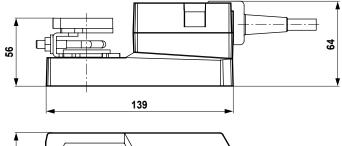
Spindle length

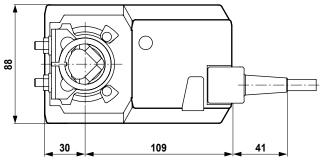


Clamping range

	\bigcirc	□	$\Diamond \overline{\downarrow}$
	1020	≥10	≤20
CrNi (INOX)	1220	≥10	≤20

With utilisation of a round spindle made of CrNi (INOX): Ø 12...20mm







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
- · with integrated auxiliary switch



Technical data				
Electrical data	Nominal voltage		AC 24V, 50/60Hz / DC 24V	
	Nominal voltage	range	AC 19.228.8V / DC 21.628.8V	
	Power consumption	In operation At rest For wire sizing	2W @ nominal torque 0.2W 4VA	
	Auxiliary switch	1 of wife sizing	1 x SPDT, 1mA3 (0.5) A, AC 250V ☐ (0100% adjustable)	
	Connection	Motor Auxiliary switch	Cable 1m, 3 x 0.75mm ² Cable 1m, 3 x 0.75mm ²	
Functional data	Torque (nomina	l torque)	Min. 20Nm @ nominal voltage	
	Direction of rota	tion	Reversible with switch 0 resp. 1	
	Manual override		Gearing latch disengaged with pushbutton, can be locked	
	Angle of rotation		Max. 95°록, 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 prote	ction	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	on	Type 1	
	Rated impulse v	roltage	0.8kV	
	Control pollution	degree	3	
	Ambient temper	ature range	-30+50°C	
	Non-operating to		-40+80°C	
	Ambient humidit	y range	95% r.h., non-condensating	
	Maintenance		Maintenance-free	
Dimensions / Weight	Dimensions		See «Dimensions»	
Weight		Approx. 1.2kg		

Dimensions [mm]

Dimensional drawings

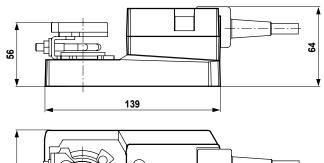
Spindle length

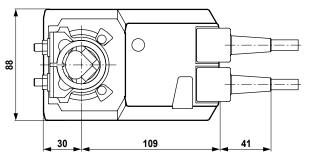


Clamping range

	OI		\Diamond
	1020	≥10	≤20
CrNi (INOX)	1220	≥10	≤20

With utilisation of a round spindle made of CrNi (INOX): Ø 12...20mm







Modulating damper actuator for adjusting air dampers in ventilation and air-conditioning systems for building services

- Torque 20Nm
- Nominal voltage AC/DC 24V
- Control: Modulating DC (0)2...10V
 Position feedback DC 2...10V



Technical data				
Electrical data	Nominal voltage		AC 24V, 50/60Hz / DC 24V	
	Nominal voltage r	ange	AC 19.228.8V / DC 21.628.8V	
	Power	In operation	2W @ nominal torque	
	consumption	At rest	0.4W	
		For wire sizing	4VA	
	Connection		Cable 1m, 4 x 0.75mm ²	
Functional data	Torque (nominal t	orque)	Min. 20Nm @ nominal voltage	
	Control	Control signal Y Operating range	DC (0)210V, typical input impedance $100k\Omega$ DC 210V	
	Position feedback	(Measuring voltage U)	DC 210V, max. 1mA	
	Position accuracy	1	±5%	
	Direction of rotation	on	Reversible with switch 0 / 1	
	Direction of motio	n at Y = 0 V	In switch position 0 → resp. 1 →	
	Manual override		Gearing latch disengaged with pushbutton, can be	
			locked	
	Angle of rotation		Max. 95°	
			adjustable mechanical end stops	
	Sound power level		150s / 90°∢	
			Max. 45dB(A)	
	Position indication	1	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 vo		0.8kV	
	Control pollution		3	
	Ambient temperar		-30+50°C	
	Non-operating ter		-40+80°C	
	Ambient humidity		95% r.h., non-condensating	
	Maintenance	J -	Maintenance-free	
Dimensions / Weight	Dimensions		See «Dimensions»	
Zo.io.io.io.io / Wolgitt	Weight		Approx. 1.1kg	

Dimensions [mm]

Dimensional drawings

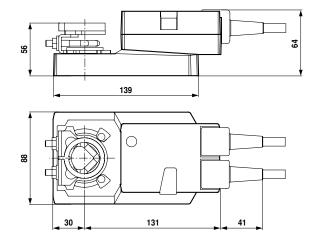
Spindle length



Clamping range

	<u>OI</u>		♦1
	1020	≥10	≤20
CrNi (INOX)	1220	≥10	≤20

With utilisation of a round spindle made of CrNi (INOX): Ø 12...20mm





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 100240V, 50/60Hz	
	Nominal voltage i	range	AC 85265V	
	Power	In operation	2.5W @ nominal torque	
	consumption	At rest	0.6W	
		For wire sizing	6VA	
	Connection		Cable 1m, 3 x 0.75mm ²	
Functional data	Torque (nominal t	torque)	Min. 20Nm @ nominal voltage	
	Direction of rotati	on	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 leve	el	Max. 45dB(A)	
	Position indication		Mechanical, pluggable	
Safety	Protection class		II Totally insulated □	
	Degree of protect	tion	IP54 in any mounting position	
			NEMA 2, UL Enclosure Type 2	
	EMC		CE according to 2004/108/EC	
	Low voltage direc	ctive	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 vo		2.5kV	
	Control pollution		3	
	Ambient tempera		−30+50°C	
	Non-operating ter		–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

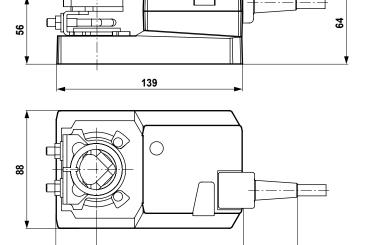
Spindle length



Clamping range

	OI		\Diamond
	1020	≥10	≤20
CrNi (INOX)	1220	≥10	≤20

With utilisation of a round spindle made of CrNi (INOX): \emptyset 12...20mm



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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
- · with integrated auxiliary switch



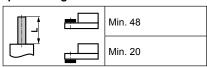
Technical data				
Electrical data	Nominal voltage		AC 100240V, 50/60Hz	
	Nominal voltage range		AC 85265V	
	Power	In operation	2.5W @ nominal torque	
	consumption	At rest	0.6W	
		For wire sizing	6VA	
	Auxiliary switch		1 x SPDT, 1mA3 (0.5) A, AC 250V 🗆	
			(0100% adjustable)	
	Connection	Motor	Cable 1m, 3 x 0.75mm ²	
		Auxiliary switch	Cable 1m, 3 x 0.75mm ²	
Functional data	Torque (nominal to		Min. 20Nm @ nominal voltage	
	Direction of rotation	1	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	
	Dunning time		adjustable mechanical end stops	
	Running time Sound power level		150s / 90°⊲	
	Position indication		Max. 45dB(A)	
			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		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 60730-2-1-	
	Mode of operation		Type 1	
	Rated impulse voltage		2.5kV	
	Control pollution de		3	
	Ambient temperatu		-30+50°C	
	Non-operating tem		-40+80°C	
	Ambient humidity ra		95% r.h., non-condensating	
	Maintenance		Maintenance-free	
Dimensions / Weight	Dimensions		See «Dimensions»	
•	Weight		Approx. 1.2kg	

Dimensions [mm]

Dimensional drawings

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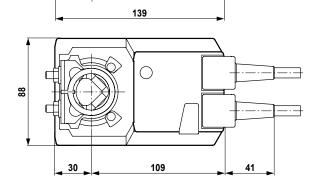
Spindle length



Clamping range

	OI.		♦ I
	1020	≥10	≤20
CrNi (INOX)	1220	≥10	≤20

With utilisation of a round spindle made of CrNi (INOX): \emptyset 12...20mm





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

- Torque 20Nm
- Nominal voltage AC 100...240V
- Control: Modulating DC (0)2...10V
 Position feedback DC 2...10V



Technical data				
Electrical data	Nominal voltage		AC 100240V, 50/60Hz	
	Nominal voltage r	ange	AC 85265V	
	Power	In operation	3.5W @ nominal torque	
	consumption	At rest	0.6W	
		For wire sizing	6.5VA	
	Connection	Power supply	Cable 1m, 2 x 0.75mm ²	
		Signals	Cable 1m, 4 x 0.75mm²	
Functional data	Torque (nominal to	orque)	Min. 20Nm @ nominal voltage	
	Control	Control signal Y Operating range	DC (0)210V, typical input impedance 100kΩ DC 210V	
	Position feedback	(Measuring voltage U)		
	Auxiliary supply		DC 24V ±30%, max. 10mA	
	Position accuracy	i	±5%	
	Direction of rotation	on	Reversible with switch 0 / 1	
	Direction of motio	n at Y = 0V	In switch position 0 ★ resp. 1 →	
	Manual override		Gearing latch disengaged with pushbutton, can be	
			locked	
	Angle of rotation		Max. 95°	
			adjustable mechanical end stops	
	Running time		150s / 90°∢	
	Sound power leve		Max. 45dB(A)	
	Position indication	1	Mechanical, pluggable	
Safety	Protection class		II Totally insulated □	
	Degree of protect	ion	IP54 in any mounting position	
			NEMA 2, UL Enclosure Type 2	
	EMC	tivo	CE according to 2004/108/EC CE according to 2006/95/EC	
	Low voltage directive Certification		cULus according to UL 60730-1A and UL 60730-2-	
	Ochinoation		14 and CAN/CSA E60730-1:02	
			Certified to IEC/EN 60730-1 and IEC/EN 60730-2-14	
	Mode of operation	1	Type 1	
	Rated impulse vo	ltage	2.5kV	
	Control pollution of	degree	3	
	Ambient temperat	ure range	−30+50°C	
	Non-operating ter	•	-40+80°C	
	Ambient humidity	range	95% r.h., non-condensating	
	Maintenance		Maintenance-free	
Dimensions / Weight	Dimensions		See «Dimensions»	
-	\	·	A 4 41	

Dimensions [mm]

Dimensional drawings

Weight

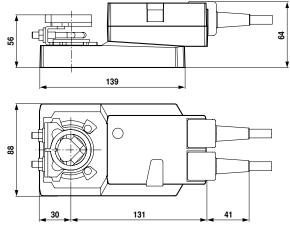
Spindle length



Clamping range

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	O <u>I</u>	□ <u>∓</u>	♦1		
	1020	≥10	≤20		
CrNi (INOX)	1220	≥10	≤20		

With utilisation of a round spindle made of CrNi (INOX): Ø 12...20mm



Approx. 1.1kg