

Fast running actuators for ventilation applications

Edition 2025





Special actuators, non fail-safe / fail safe



Actuator type		Running time motor 90°	Nominal torque	Actuating force	Height of stroke	Shaft diameter	Damper size up to approx. ¹⁾	Page
Very fast run	ning rotary actuat	tors, fail-safe						5
NKQ24A	21	4 s	6 Nm			826.7 mm	1.2 m ²	
Fast running	rotary actuators,	non fail-safe						6
TMCA	9	35 s	2 Nm		_	620 mm	■ 0.4 m²	
LMCA		35 s	5 Nm			620 mm	1 m²	
NMCA	A I'm	35 s	10 Nm			826.7 mm	2 m²	
SMCA	E ST	35 s	20 Nm			1020 mm	4 m²	
GMCA	120	35 s	40 Nm			1226.7 mm	8	m²
Very fast runi	ning rotary actuat	tors, non fail-safe	•					7
LMQA	Sales Control	2.5 s	4 Nm		_	826.7 mm	■ 0.8 m²	
NMQA	The state of the s	4 s	8 Nm			826.7 mm	1.5 m²	
NMDA	Salar	20 s	8 Nm			1020 mm	1.5 m²	
SMQA		7 s	16 Nm			1226.7 mm	3.2 m²	
SMDA	3	20 s	16 Nm			1020 mm	3.2 m²	
Very fast runi	ning linear actuat	ors, non fail-safe						8
LHQA	-	3.5 s / 100 mm		100 N	0100 mm		■ 0.7 m²	_
SHQA	-	7 s / 100 mm		200 N	0100 mm		1.3 m²	_
	_							

Use of damper actuators from Belimo: The actuators listed in this documentation are designed for adjusting dampers in technical building installations.

1) The recommended damper sizes are guidelines. When determining the torque or actuating force requirement of air dampers, the information provided by the damper manufacturer on the cross-section and design, as well as the installation situation and the ventilation conditions, must be observed.

Special actuators, non fail-safe / fail-safe



Actuator type		Running time motor 90	Fail-safe	Nominal torque	Shaft diameter	Damper size up to approx. ¹⁾	Page
RobustLine	rotary actuators f	or extreme condition	ns, fail-safe				9
NKQP		4 s	-	6 Nm	1020 mm	1.2 m ²	
IP66/67 NE	MA 4X rotary actua	ators for outdoor ap	plications, n	on fail-safe			10
SMQG		7 s		16 Nm	1226.7 mm	3.2 m²	
Rotary actua	ators with high tor	que, non fail-safe /	fail-safe				11
PMCA	T. B.	35 s		160 Nm	17x17 mm	Special	
PKCA		35 s	•	160 Nm	17x17 mm	Special	
Configuration	on options	1					16

Use of damper actuators from Belimo: The actuators listed in this documentation are designed for adjusting dampers in technical building installations.

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Bus solutions from Belimo, save costs and energy!



Bus systems can be used to exchange any volume of data from various bus participants over the same physical lines. The user has unrestricted access to control, feedback and parameters on the individual devices. Cabling expenditures are reduced by up to 90% compared with actuators with conventional wiring.

Thanks to time and material savings (cables, connecting terminals, connectors, etc.), installation work is simpler and cheaper. Additional positive selling points for bus solutions include their lower fire load and the fact that they take up less space in cable trays and control cabinets. Depending on the application and requirements, different bus systems are used.

One or two sensors can also be connected to most communicative actuators. This may be a passive resistance sensor (Pt1000, Ni1000, NTC, etc.), an active sensor (e.g. with a DC 0...10 V output) or a switching contact. Its signals are digitised in the Belimo actuator and transferred to the higher-level bus system.



The Belimo MP-Bus was specially developed as a single-client/multi-server system for HVAC actuators and sensors. It allows up to eight different control devices to be grouped together and connected to any higher-level system. It is very resistant to external interferences and does not need bus terminals.



Modbus is a communication protocol, which has become the de-facto standard. It is used commonly all around the globe and in a huge range of applications. Its simple implementation makes Modbus very popular with many manufacturers.



BACnet is a proven, widely used communication protocol for building automation. The standard is open, requires no licence and is used by a large number of international providers, universities and associations. Implementing the BACnet Standard Device Profiles and the associated BACnet Interoperability Building Blocks guarantees genuine compatibility between various BACnet devices.



KNX is a well-engineered building automation system used around the world to control systems spanning several maintenance groups, such as heaters, blinds and security technology in buildings. The KNX-certified actuators enable direct connection to the KNX network. Communication takes place via the integrated KNX interface (TP, S-Mode).



IoT actuators with Ethernet interface can exchange operating and setting data with the Belimo Cloud. It is controlled locally via an analogue signal or BACnet/Modbus. Thanks to the open client API of the Belimo Cloud, a connection to a specific cloud solution can be implemented.

Very fast running rotary actuators, fail-safe

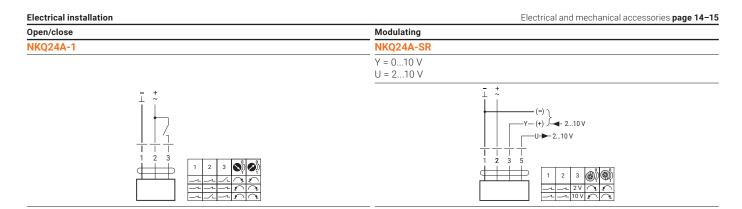
Nominal torque 6 Nm Damper size up to approx. 1.2 m²

Nominal voltage



Ż	NKQA
Open/close	
AC/DC 24 V	NKQ24A-1
Modulating (210 V) 1)	
AC/DC 24 V	NKQ24A-SR
Technical data	
Shaft diameter	826.7 mm
Motor sound power level	≤60 dB(A) @ 4 s
Sound power level fail-safe position	≤60 dB(A) @ 4 s
Running time motor 90°	4 s
Running time fail-safe 90°	4 s
Degree of protection	IP54
Manual override	Gear train disengagement with push button
Connection	Connecting cable 1 m
Direction of rotation	Selectable with switch
Angle of rotation	Max. 95°, can be limited on both sides by adjustable mechanical end stops
Position indication	Mechanical, add-on
Ambient temperature	-3050°C
Storage temperature	-4080°C
Ambient humidity	95% RH, non-condensing
EMC	CE according to 2014/30/EU

 $^{^{1)}}$ Modulating actuators: Standard control signal Y = 0...10 V, 100 kQ; operating range Y = 2...10 V / position feedback U = 2...10 V, max. 0.5 mA. Other versions on request. Please get in touch with your local Belimo contact person.



Fast running rotary actuators

Nominal torque		2 Nm	5 Nm	10 Nm	20 Nm	40 Nm			
Damper size up to	approx.	0.4 m ²	1 m²	2 m²	4 m²	8 m²			
Nominal voltage	SPDT auxiliary switch	TMCA	LMCA	NMCA	SMCA	GMCA			
Open/close, 3-poin	nt								
AC/DC 24 V —		TMC24A	LMC24A						
	1	TMC24A-S			_				
AC 230 V —		TMC230A	LMC230A			GMC230A			
AC 230 V —	1	TMC230A-S	LMC230A-S						
Modulating (210	V) 1)								
AC/DC 24 V		TMC24A-SR	LMC24A-SR						
AC 230 V		TMC230ASR							
Communicative 2),	configura	able 3)							
AC/DC 24 V				NMC24A-MP	SMC24A-MP SMC24A-MOD ⁴⁾				
Technical data									
Shaft diameter		620 mm	620 mm	826.7 mm	1020 mm	1226.7 mm			
Sound power leve	el	≤40 dB(A) @ 35 s	≤45 dB(A) @ 35 s	≤45 dB(A) @ 35 s	≤55 dB(A) @ 35 s	≤45 dB(A) @ 35s			
Running time mo	tor 90°	35 s							
Manual override		Gear train disengagement with push button, can be locked							
Connection		Connecting cable 1 m							
Direction of rotati	ion	Selectable with switch							
Angle of rotation		Max. 95°, can be limited on both sides by adjustable mechanical end stops							
Position indication		Mechanical, add-on							
Degree of protection		IP54							
Ambient temperature		-3050°C							
Storage temperature		-4080°C	·						
Ambient humidity	У	95% RH, non-condensing							
EMC		CE according to 2014/30	/EU						

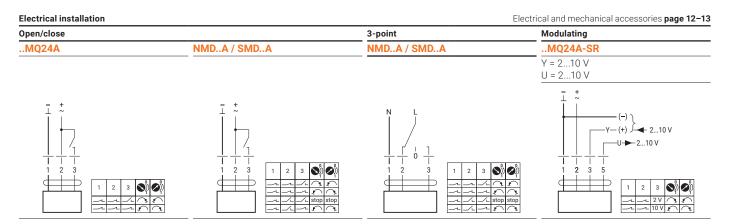
Open/close	3-point	Modulating	Configurable	Modulating
MC24A, TMC24A-S, MC230A, TMC230A-S	MC24A, TMC24A-S, MC230A, TMC230A-S	MC24A-SR	MC24A-MP	TMC230ASR
		Y = 210 V U = 210 V	Y = variable U = variable	Y = 210 V U = 210 V
	1 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- +	(-) -Y-(+) → 210 V U→ 210 V 5 1 2 3 	SG24 (-) Y-(+) 1 2 1 2 3 5 1 (N) 2 (L) 3 5 10 10 10 10 10 10 10 10 10 10 10 10 10

 $^{^{1)}}$ Modulating actuators: Standard control signal Y = 0...10 V, 100 kΩ; operating range Y = 2...10 V / position feedback U = 2...10 V, max. 1 mA. $^{2)}$ You can find suitable system diagrams at www.belimo.com. $^{3)}$ Configurable with Belimo Assistant 2 or service tool ZTH EU (e.g., for MP types, control, feedback, running time, and other functions can be set).

Very fast running rotary actuators

Nominal torque	4 Nm	8 Nm	8 Nm	16 Nm	16 Nm
Damper size up to approx.	0.8 m ²	1.5 m ²	1.5 m ²	3.2 m ²	3.2 m ²
Nominal voltage	LMQA	NMQA	NMDA	SMQA	SMDA
Open/close					
AC/DC 24 V	LMQ24A	NMQ24A		SMQ24A	
Open/close, 3-point					
AC/DC 24 V					SMD24A
AC 230 V	_		NMD230A		SMD230A
Modulating (210 V) 1)					
AC/DC 24 V	LMQ24A-SR	NMQ24A-SR		SMQ24A-SR	
Technical data					
Shaft diameter	826.7 mm	826.7 mm	1020 mm	1226.7 mm	1020 mm
Sound power level	≤54 dB(A) @ 2.5 s	≤56 dB(A) @ 4 s	≤55 dB(A) @ 20 s	≤63 dB(A) @ 7 s	≤55 dB(A) @ 20 s
Running time motor 90°	2.5 s	4 s	20 s	7 s	20 s
Ambient temperature	-3040°C (4050°C limited) ²⁾	-3040°C (4050°C limited) ²⁾	-3050°C	-3040°C (4050°C limited) ²⁾	-3050°C
Manual override	Gear train disengageme	nt with push button, can b	e locked		
Connection	Connecting cable 1 m				
Direction of rotation	Selectable with switch				
Angle of rotation	Max. 95°, can be limited	on both sides by adjustab	le mechanical end stops		
Position indication	Mechanical, add-on				
Degree of protection	IP54				
Storage temperature	-4080°C				
Ambient humidity	95% RH, non-condensin	g			
EMC	CE according to 2014/3	0/EU			

 $^{^{1)}}$ Modulating actuators: Standard control signal Y = 0...10 V, 100 kΩ; operating range 2...10 V / position feedback U = 2...10 V, max. 0.5 mA for LMQ..A, NMQ..A, SMQ..A. $^{2)}$ Please get in touch with your local Belimo contact person.



Other versions on request.

Very fast running linear actuators

200 N 100 N **Actuating force** Damper size up to approx. $0.7 \, m^2$ $1.3 \, m^2$

Vominal voltage





z	LIIQA	3nqA
Open/close		
AC/DC 24 V	LHQ24A100	SHQ24A100
Modulating (210 V) 1)		
AC/DC 24 V	LHQ24A-SR100	SHQ24A-SR100
Technical data		
Height of stroke	0100 mm; adjustable in 20 mm increments from 40100 mm	0100 mm; adjustable in 20 mm increments from 40100 mm
Sound power level	≤56 dB(A) @ 3.5 s	≤56 dB(A) @ 7 s
Running time motor 100 mm	3.5 s	7 s
Manual override	Gear train disengagement with push button, can be locked	-
Connection	Connecting cable 1 m	
Direction of stroke	Selectable with switch	
Degree of protection	IP54	
Ambient temperature	-3040°C (4050°C limited) ²⁾	
Storage temperature	-4080°C	
Ambient humidity	95% RH, non-condensing	
EMC	CE according to 2014/30/EU	

 $^{^{1)}}$ Modulating actuators: Standard control signal Y = 0...10 V, 100 k Ω ; operating range Y = 2...10 V / position feedback U = 2...10 V, max. 0.5 mA. $^{2)}$ Please get in touch with your local Belimo contact person. Other versions on request.

Electrical installation Electrical and mechanical accessories page 12-13 Open/close Modulating ..HQ24A100 ..HQ24A-SR Y = 2...10 V / U = 2...10 V

RobustLine rotary actuators for extreme conditions, fail-safe

Nominal torque 6 Nm Damper size up to approx. 1.2 m²

Nominal voltage

Open/close

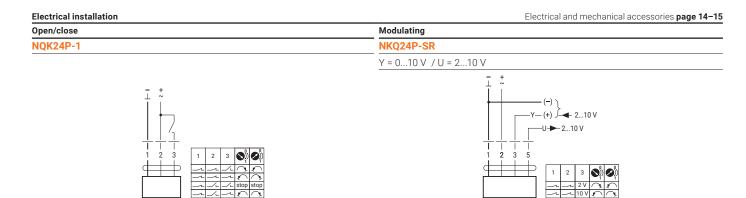


NKQ..P

AC/DC 24 V	NKQ24P-1		
Modulating (210 V) 1)			
AC/DC 24 V	NKQ24P-SR		
Technical data			
Shaft diameter	1020 mm		
Running time motor 90°	4 s		
Running time fail-safe 90°	4 s		
Manual override	Gear train disengagement with push button		
Motor sound power level	≤60 dB(A) @ 4 s		
Sound power level fail-safe position	≤60 dB(A) @ 4 s		
Ambient temperature	-3050°C		
Connection	Connecting cable 1 m, FRNC		
Direction of rotation	Selectable with switch		
Angle of rotation	Max. 95°, can be limited on both sides by adjustable mechanical end stops		
Position indication	Mechanical, add-on		
Degree of protection	IP66/67 / NEMA 4X		
Storage temperature	-4080°C		
Ambient humidity	100% RH		
EMC	CE according to 2014/30/EU		

Without auxiliary switch

Other versions on request. Please get in touch with your local Belimo contact person



 $^{^{1)}}$ Modulating actuators: Standard control signal Y = 0...10 V, 100 kΩ; operating range 2...10 V / position feedback U = 2...10 V, max. 0.5 mA for NKQ..P.

IP66/67 / NEMA 4X rotary actuators for outdoor applications, non fail-safe

Nominal torque 16 Nm Damper size up to approx. $3.2 \, m^2$

Nominal voltage



Open/close		Without auxiliary switch	
AC/DC 24 V	7 s	SMQ24G	
Modulating (21	0 V) ¹⁾		
AC/DC 24 V	7 s	SMQ24G-SR	

7.07.202	, 0			
Technical data				
Shaft diameter		1226.7 mm		
Manual override		Gear train disengagement with push button, can be locked		
Motor sound pov	ver level	≤63 dB(A) @ 7 s		
Ambient temperature		-3040°C ⁴⁾ (4050°C limited) ⁵⁾		
Connection		Connecting cable 1 m, FRNC		
Direction of rotat	ion	Selectable with switch		
Angle of rotation		Max. 95°, can be limited on both sides by adjustable mechanical end stops		
Position indication	on	Mechanical, add-on		
Degree of protec	tion	IP66/67 / NEMA 4X		
Storage temperature		-4080°C		
Ambient humidity		100% RH		
EMC		CE according to 2014/30/EU		

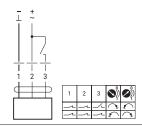
 $^{^{1)}}$ Modulating actuators: Positioning signal Y = 0...10 V, 100 kΩ, operating range 2...10 V / position feedback U = 2 ...10 V, max. 0.5 mA for SMQ..G. $^{2)}$ Please contact your local Belimo contact person.

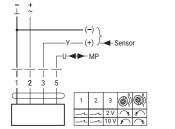
Other versions on request.

Electrical installation

Electrical and mechanical accessories page 14-15

Open/close	Modulating
SMQ24G	SMQ24G-SR
	Y = 010 V
	U = 210 V





Actuators with high torque, non fail-safe / fail-safe

Nominal torque 160 Nm

Damper size up to approx. Special

Nominal voltage

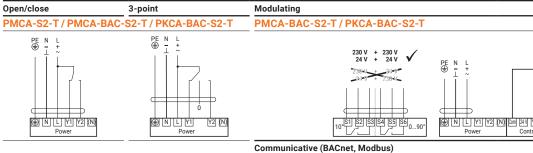


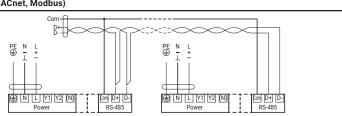


Communicative, configurable			
AC 24240 V DC 24125 V	PMCA-S2-T	PMCA-BAC-S2-T	PKCA-BAC-S2-T
Control	Open/close	Modulating (210 V)	Modulating (210 V)
	3-point	Modulating (420 mA)	Modulating (420 mA)
		BACnet MS/TP	BACnet MS/TP
		Modbus RTU	Modbus RTU
		MP-Bus	MP-Bus
		Open/close	Open/close
		3-point	3-point
			
Technical data			
Fail-safe Fail-safe	<u>-</u>		
Form fit	17x17 mm	17x17 mm	17x17 mm
Running time motor 90°	35 s (30120 s adjustable)	35 s (30120 s adjustable)	35 s (30120 s adjustable)
Running time fail-safe 90°	_	_	30 s
Motor sound power level	68 dB(A)	68 dB(A)	68 dB(A)
Sound power level fail-safe position	-	_	68 dB(A)
Configuration, commissioning, maintenance	Belimo Assistant 2, ZTH EU		
Manual override	Hand crank		
Auxiliary switches	2x SPDT		
Connection	Connecting terminals		
Direction of rotation	Selectable with Tool		
Position indication	Mechanical		
Degree of protection	IP66/67 / NEMA 4X		
Ambient temperature	-3040°C		
Storage temperature	-4080°C		
Ambient humidity	100% RH		
EMC	CE according to 2014/30/EU		

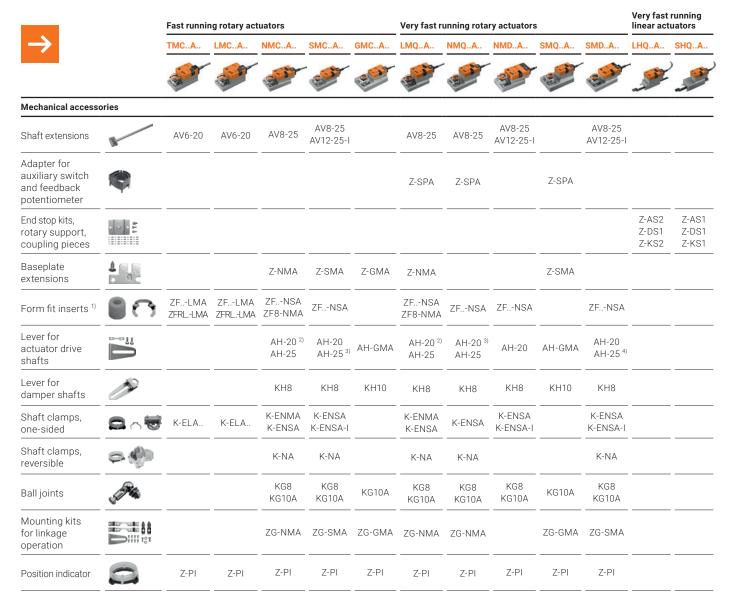
Electrical installation

Electrical and mechanical accessories page 14-15





Special actuators, non fail-safe



¹⁾ Form fit inserts: TMC..A.. / LMC..A..: 8x8 mm, 10x10 mm, 12x12 mm; NMC..A..: 8x8 mm, 10x10 mm, 12x12 mm, 16x16 mm; SMC..A.. / SMD..A.. / NMD..A..: 10x10 mm, 12x12 mm, 15x15 mm, 16x16 mm; LMQ..A..: 8x8 mm, 10x10 mm, 12x12 mm, 15x15 mm, 16x16 mm; NMQ..A..: 10x10 mm, 12x12 mm, 15x15 mm, 16x16 mm.

²⁾ Only in combination with reversible shaft clamp K-NA.

³⁾ Only in combination with reversible shaft clamp K-SA

⁴⁾ Only in combination with one-sided shaft clamp K-ENSA.

Special actuators, non fail-safe

		Fast runnii	Fast running rotary actuators		Very fast running rotary actuators			Very fast running linear actuators					
\rightarrow		TMCA	LMCA	NMCA	SMCA	GMCA	LMQA	NMQA	NMDA	SMQA	SMDA	LHQA	SHQA
		3		A STATE OF	S. S	E	E LA	E	Silve	HE STATE OF THE ST	Silv	and the same	-
Electrical accessories													
Auxiliary switches		S1A S2A	S1A S2A	S1A S2A	S1A S2A	S1A S2A	S1A 1) S2A 1)	S1A ¹⁾ S2A ¹⁾	S1A S2A	S1A ¹⁾ S2A ¹⁾	S1A S2A		
Room temperature controller for modulating actuators	10.1	CR24	CR24	CR24	CR24		CR24	CR24		CR24		CR24	CR24
Feedback potentiometers	6	P140A P1000A P10000A	P140A P1000A P10000A	P140A P1000A P10000A	P140A P1000A P10000A	P140A P1000A P10000A	P140A ¹⁾ P1000A ¹⁾ P10000A ¹⁾	P140A ¹⁾ P1000A ¹⁾ P10000A ¹⁾	P140A P1000A P10000A	P140A ¹⁾ P1000A ¹⁾ P10000A ¹⁾	P140A P1000A P10000A		
Signal converter voltage/current for modulating actuators		Z-UIC	Z-UIC	Z-UIC	Z-UIC		Z-UIC	Z-UIC		Z-UIC		Z-UIC	Z-UIC
Positioner / range controller for modulating actuators		CRP24-B1 SGA24 SGE24 SGF24	CRP24-B1 SGA24 SGE24 SGF24	CRP24-B1 SGA24 SGE24 SGF24	CRP24-B1 SGA24 SGE24 SGF24		CRP24-B1 SGA24 SGE24 SGF24	CRP24-B1 SGA24 SGE24 SGF24		CRP24-B1 SGA24 SGE24 SGF24		CRP24-B1 SGA24 SGE24 SGF24	CRP24-B1 SGA24 SGE24 SGF24
Tools													
Service tools ²⁾	Look			ZTH EU	ZTH EU								

¹⁾ Auxiliary switch and feedback potentiometer on LMQ..A, NMQ..A and SMQ..A actuators in combination with a reversible shaft clamp (mounted underneath for short shaft installation) can only be used together with adapter Z-SPA.
²⁾ For configurable actuators.

Special actuators, non fail-safe / fail-safe



Very fast running rotary actuators	RobustLine rotary actuators for extreme conditions	IP66/67 / NEMA 4X rotary actuators for outdoor applications	Actuators with high torque		
Fail-safe	Fail-safe	Non fail-safe	Non fail-safe	/ fail-safe	
NMQA	NKQP	SMQG	PMCA	PKCA	
The state of the s				Te	
AV8-25					
AH-25					

Mechanical accessories	:				
Shaft extension	R	AV8-25			
Lever for actuator drive shafts	D-011	AH-25			
Lever for actuator drive shafts				AH-GMA	
Lever for damper shafts		KH8	_		
Lever for damper shafts				KH10	
Shaft clamp, reversible		K-NA			
Ball joints	P4	KG8 KG10A		KG10A	
Mounting kit for linkage operation	1111 TgT	ZG-SMA		ZG-GMA	
Position indicator	₽°a	Z-PI			
Adapter for auxiliary switch and feedback potentiometer		Z-PSA			
Adapter kit	1100				ZPR

RobustLine rotary actuators IP66/67 / NEMA 4X rotary actuators Actuators

Special actuators, non fail-safe / fail-safe

Very fast running

		rotary actuators	for extreme conditions	for outdoor applications	with high torque Non fail-safe / fail-safe	
		Fail-safe	Fail-safe	Non fail-safe		
\rightarrow		NMQA	NKQP	SMQG	PMCA	PKCA
		E STATE OF THE PARTY OF THE PAR				T. P.
Electrical accessories						
Heaters with humidistat AC 230 V (only available fitted at the factory)	haraille.			HH230-MG		
Heaters with humidistat AC/DC 24 V (only available fitted at the factory)	handle .			HH24-MG		
Heaters with thermostat AC 230 V (only available fitted at the factory)				HT230-MG		
Heaters with thermostat AC/DC 24 V (only available fitted at the factory)	· ·			HT24-MG		
Auxiliary switch		S1A ¹⁾ S2A ¹⁾		S2A		
Room temperature controller for modulating actuators	Č.	CR24	CR24	CR24		
Feedback potentiometer	-	P140A ¹⁾ P1000A ¹⁾ P10000A ¹⁾		PA GR ²⁾		
Signal converter voltage/current for modulating actuators		Z-UIC	Z-UIC	Z-UIC		
Positioner/range controller for modulating actuators		CRP24-B1 SGA24 SGE24 SGF24	CRP24-B1 SGA24 SGE24 SGF24	CRP24-B1 SGA24 SGE24 SGF24		
Tools						
Service tools ³⁾	Farmer			ZTH-EU	Z	TH-EU
Belimo Assistant 2						•

¹⁾ Auxiliary switch and feedback potentiometer on SMQ.. A actuators in combination with a reversible shaft clamp (mounted underneath for short shaft installation) can only be used together with adapter Z-SPA. ³⁾ Resistance values 140 Ω , 1 k Ω , 10 k Ω available. ⁴⁾ For configurable actuators

For form fit inserts, please get in touch with your local Belimo contact person.

Configuration options

Some actuator product ranges permit adaptation to special customer preferences. These allow - on the basis of existing components - a selection of different cable lengths, mechanical interfaces, running times and operating ranges. Please get in touch with your local Belimo contact person.

Example

Housing cover colour Label with company logo Running time / operating range Mechanical interface

Configuration

	Rotary actuators								
Actuator range	CM	LMA	NMA	SMA	GMA				
	e in								
Housing cover colour	orange grey	orange grey	orange grey	orange grey	orange grey				
Label with company logo, colour	Label: Font: transparent black	Label: Font: transparent black blue white	Label: Font: transparent black blue white	Label: Font: transparent black blue white	Label: Font: transparent black blue white				
Mechanical interface	Shaft clamp, one-sided 612.7 mm Form fit 6x6 mm Form fit 8x8 mm Form fit 10x10 mm	Shaft clamp, one-sided 620 mm Form fit 8x8 mm Form fit 10x10 mm Form fit 12x12 mm	Shaft clamp, one-sided 826.7 mm Shaft clamp, reversible 820 mm Form fit 8x8 mm Form fit 10x10 mm Form fit 12x12 mm Form fit 16x16 mm	Shaft clamp, one-sided 826.7 mm Shaft clamp, reversible 1020 mm Form fit 10x10 mm Form fit 12x12 mm Form fit 16x16 mm	Shaft clamp, reversible 1226.7 mm				
Electrical interface	Terminal connection IP20 Cable 1 m, PVC Cable 1 m, FRNC Cable 3 m, FRNC Cable 5 m, FRNC		Terminal connection IP20 Terminal connection IP54 Cable 1 m, PVC Cable 1 m, FRNC Cable 3 m, FRNC Cable 5 m, FRNC	Terminal connection IP20 Terminal connection IP54 Cable 1 m, PVC Cable 1 m, FRNC Cable 3 m, FRNC Cable 5 m, FRNC	Terminal connection IP20 Terminal connection IP54 Cable 1 m, PVC Cable 1 m, FRNC Cable 3 m, FRNC Cable 5 m, FRNC				
Running time	35 s 45 s 75 s	35 s 45 s 90 s 150 s	45 s 90 s 150 s	90 s 150 s	90 s 150 s				
Operating range	210 V 0.510 V Adaptation option	210 V 0.510 V Adaptation option	210 V 0.510 V Adaptation option	210 V 0.510 V Adaptation option	210 V 0.510 V Adaptation option				
Packaging	Single pack Multipack at 20 pieces	Single pack Multipack at 20 pieces	Single pack Multipack at 20 pieces	Single pack Multipack at 20 pieces	Single pack Multipack at 20 pieces				
General Feasibility of the combinations on request Minimum order quantity with coloured label or customer logo: 20 pieces.									

Configuration options

Some actuator product ranges permit adaptation to special customer preferences. These allow - on the basis of existing components - a selection of different cable lengths, mechanical interfaces, running times and operating ranges. Please get in touch with your local Belimo contact person.

Example



Configuration

	Rotary actuators, fail-safe		Very fast running rotary actuators	LH.A	
Actuator range	NFA / SFA	EFA / EFG	LMQA		
	3. 3. 3.	Was a series of the series of		-	
Housing cover colour	orange grey	_	orange grey	orange grey	
abel with company logo, colour	Label: Font: orange black blue white grey black	Label: Font: orange black grey	Label: Font: transparent black blue white black white	Label: Font: transparent black blue white black white	
Mechanical interface	Shaft clamp, reversible 1025.4 mm Form fit 10x10 mm Form fit 12x12 mm Form fit 16x16 mm	Shaft clamp reversible 1226.7 mm	Shaft clamp, one-sided 826.7 mm Shaft clamp, reversible Form fit 8x8 mm Form fit 10x10 mm Form fit 12x12 mm Form fit 16x16 mm	Without stroke limitation With stroke limitation	
Electrical interface	Terminal connection IP20 Terminal connection IP54 Cable 1 m, PVC Cable 1 m, FRNC Cable 3 m, FRNC Cable 5 m, FRNC	Terminal connection IP66 Cable 1 m, FRNC Cable 3 m, FRNC Cable 5 m, FRNC	Cable 1 m, PVC Cable 1 m, FRNC Cable 3 m, FRNC Cable 5 m, FRNC	Terminal connection IP20 Terminal connection IP54 Cable 1 m, PVC Cable 1 m, FRNC Cable 3 m, FRNC Cable 5 m, FRNC	
Running time	45 s 75 s 90 s 150 s	75 s 90 s 150 s	2.5 s 4 s 5 s 7 s 10 s	75 s/100 mm 90 s/100 mm 120 s/100 mm 150 s/100 mm	
Operating range	210 V 0.510 V Adaptation option	210 V 0.510 V Adaptation option	210 V 0.510 V Adaptation option	210 V 0.510 V Adaptation option	
Packaging	Single pack Multipack at 20 pieces	Single pack Multipack at 20 pieces	Single pack Multipack at 20 pieces	Single pack Multipack at 20 pieces	
Special		Heating			
General	Feasibility of the combination Minimum order quantity with	s on request coloured label or customer logo: 20) pieces		

All inclusive.

Belimo is the global market leader in the development, production, and sales of field devices for the energy-efficient control of heating, ventilation and air-conditioning systems. The focus of our core business is on damper actuators, control valves, sensors and meters.

Always focusing on customer value, we deliver more than only products. We offer you the complete product range for the regulation and control of HVAC systems from a single source. At the same time, we rely on tested Swiss quality with a five-year warranty. Our worldwide representatives in over 80 countries guarantee short delivery times and comprehensive support through the entire product life. Belimo does indeed include everything.

The "small" Belimo devices have a big impact on comfort, energy efficiency, safety, installation and maintenance.

In short: Small devices, big impact.





5-year warranty



On site around the globe



Complete product range



Tested quality



Short delivery times



Comprehensive support

