

# Belimo servomotors



## Description

Actuators with and without spring return for dampers, torque from 4 Nm to 40 Nm, 95 ° rotation angle, 24 V AC / DC power supply and 230 V AC, On / Off control signal, DC 0 ... 10 V and DC 2 ... 10V suitable for air dampers up to 8 m<sup>2</sup>.

## Caratteristiche

Easy mounting on the damper pin with universal clamp, the actuator is supplied with an anti-twisting bracket for quick and effective assembly.

Manual operation by pressing a release button (the gear train remains switched off until the button is pressed or locked in position).

Adjustable rotation angle with mechanical stops.

High functional reliability, the actuator is protected against overload, does not require electrical limit switches and stops automatically when the mechanical stops are reached.

		Servomotor WITHOUT SPRING RETURN					
		CM	LM..A	NM..A	SM..A	GM..A	
Couple		2 Nm	5 Nm	10 Nm	20 Nm	40 Nm	
Universal pin size (mm):		6-12,7	6-20	8-26	10-20	14-26	
For damper up to:		0,4 m <sup>2</sup>	1 m <sup>2</sup>	2 m <sup>2</sup>	4 m <sup>2</sup>	8 m <sup>2</sup>	
ON/OFF 3-Point	AC /DC 24 V	CM24-L	LM24A	NM24A	SM24A	GM24A	
	AC /DC 24 V With auxiliary contact		LM24A-S	NM24A-S	SM24A-S		
	AC 230 V	CM230-L	LM230A	NM230A	SM230A	GM230A	
	AC 230 V With auxiliary contact		LM230A-S	NM230A-S	SM230A-S		
MODULANT Comand 0...10V	AC /DC 24 V	CM24-SR-L	LM24A-SR	NM24A-SR	SM24A-SR	GM24A-SR	
	AC /DC 24 V With auxiliary contact						
	AC 230 V		LM230ASR	NM230ASR	SM230ASR		

		Servomotor WITH SPRING RETURN				
		TF	LF	NF	SF	EF
Couple		2,5 Nm	4 Nm	10 Nm	20 Nm	30 Nm
Universal pin size (mm):		6-12,7	8-16	10-22	10-22	12-26,7
For damper up to:		0,5 m <sup>2</sup>	0,8 m <sup>2</sup>	2 m <sup>2</sup>	4 m <sup>2</sup>	6 m <sup>2</sup>
ON/OFF 3-Point	AC /DC 24 V	TF24	LF24	NF24A	SF24A	EF24A
	AC /DC 24 V With auxiliary contact	TF24-S	LF24-S	NF24A-S2	SF24A-S2	EF24A-S2
	AC 230 V	TF230	LF230	NFA	SFA	EF230A
	AC 230 V With auxiliary contact	TF230-S	LF230-S	NFA-S2	SFA-S2	EF230A-S2
MODULANT Comand 0...10V	AC /DC 24 V	TF24-SR	LF24-SR	NF24A-SR	SF24A-SR	EF24A-SR
	AC /DC 24 V With auxiliary contact			NF24A-SR-S2	SF24A-SR-S2	EF24A-SR-S2
	AC 230 V	TF230-SR				

## Price list

Item normally available from stock

Model	Euro	Model	Euro
CM24-L	▼	TF24	▼
		TF24-S	▼
CM230-L	▼	TF230	▼
		TF230-S	▼
CM24-SR-L	▼	TF24-SR	▼
		TF230-SR	▼
Model	Euro	Model	Euro
LM24A	▼	LF24	▼
LM24A-S	▼	LF24-S	▼
LM230A	▼	LF230	▼
LM230A-S	▼	LF230-S	▼
LM24A-SR	▼	LF24-SR	▼
LM230ASR	▼		
Model	Euro	Model	Euro
NM24A	▼	NF24A	▼
NM24A-S	▼	NF24A-S2	▼
NM230A	▼	NFA	▼
NM230A-S	▼	NFA-S2	▼
NM24A-SR	▼	NF24A-SR	▼
NM230ASR	▼	NF24A-SR-S2	▼
Model	Euro	Model	Euro
SM24A	▼	SF24A	▼
SM24A-S	▼	SF24A-S2	▼
SM230A	▼	SFA	▼
SM230A-S	▼	SFA-S2	▼
SM24A-SR	▼	SF24A-SR	▼
SM230ASR	▼	SF24A-SR-S2	▼
Model	Euro	Model	Euro
GM24A	▼	EF24A	▼
GM230A	▼	EF230A	▼
		EF230A-S2	▼
GM24A-SR	▼	EF24A-SR	▼
		EF24A-SR-S2	▼

## Accessories

Item normally available from stock		
Model	Description	euro
S2A	Auxiliary switch for rotary actuators S2A WITHOUT SPRING RETURN	
	- two switches (SPDT)	▼
	- Adjustable switching points	
S2A-F	Auxiliary switch for rotary actuators S2A-F WITH SPRING RETURN	
	- two switches (SPDT)	▼
	- Adjustable switching points	
	-Adapter	
SGA24	Positioners suitable for use with the modulating damper actuators LM..A-SR, NM..A-SR, SM..A-SR and GM..A-SR For surface mounting	▼
SGF24	Positioners suitable for use with the modulating damper actuators LM..A-SR, NM..A-SR, SM..A-SR and GM..A-SR For front-panel mounting	▼