

BELIMO SERVOMOTORS Servomotori Belimo



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 m².

Caratteristic

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.

Use

Belimo damper actuators are designed for use in a wide range of HVAC applications, providing reliability and low current consumption. With a broad torque range (from 2 Nm to 40 Nm), they are optimized for dampers up to 8 m² and can be mounted directly on the damper shaft. The actuators are suitable for control dampers, VAV terminals, fan coil units, and many other HVAC applications.

Accessories

- SGA24 - Wall-mounted actuator/positioner.
- SGE24 - DIN rail-mounted actuator/positioner for control panels.
- SGF24 - Front-panel-mounted actuator/positioner.
- S2A - Auxiliary contact for actuator.
- S2A-F - Auxiliary contact for actuator.

Technical Specifications

		Servomotor Without Spring Return				
		CM	LM..A	NM..A	SM..A	GM
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 ²	1 m ²	2 m ²	4 m ²	8 m ²
ON/OFF 3-Point	AC /DC 24 V	CM24-L	LM24A	NM24A	SM24A	
	AC/DC 24 V With auxiliary contact		LM24A-S	NM24A-S	SM24A-S	
	AC 230 V	CM230-L	LM230A	NM230A	SM230A	
	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	
	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 ²	0,8 m ²	2 m ²	4 m ²	6 m ²
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

Models	Eur	Models	Eur
CM24-L	212,42	TF24	324,79
		TF24-S	390,99
CM230-L	224,73	TF230	352,50
		TF230-S	417,15
CM24-SR-L	304,78	TF24-SR	437,16
		TF230-SR	a.r.
Models	Euro	Models	Euro
LM24A	255,53	LF24	397,14
LM24A-S	294,01	LF24-S	464,87
LM230A	263,22	LF230	432,55
LM230A-S	301,70	LF230-S	497,19
LM24A-SR	338,64	LF24-SR	534,13
LM230ASR	409,46		
Models	Eur	Models	Eur
NM24A	309,40	NF24A	506,43
		NF24A-S2	583,40
NM24A-S	380,20	NFA	600,33
NM230A	320,17	NFA-S2	695,77
NM230A-S	390,99	NF24A-SR	597,25
NM24A-SR	443,32	NF24A-SR-S2	675,75
NM230ASR	507,97		
Models	Eur	Models	Eur
SM24A	358,65	SF24A	620,34
		SF24A-S2	695,77
SM24A-S	452,56	SFA	712,70
SM230A	366,35	SFA-S2	789,66
SM230A-S	464,87	SF24A-SR	711,16
SM24A-SR	500,27	SF24A-SR-S2	769,65
SM230ASR	564,93		
Models	Eur	Models	Eur

GM24A		EF24A	1.328,42
		EF230A	1.523,91
GM230A		EF230A-S2	1.622,43
GM24A-SR		EF24A-SR	1.471,58
		EF24A-SR-S2	1.560,85

Accessories

Models	Description	Euro
S2A	Auxiliary switch for rotary actuators S2A Without Spring Return	157,01
	Two Switches (SPDT)	
	Adjustable Switching Points	
S2A-F	Auxiliary switch for rotary actuators S2A With Spring Return	233,98
	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	252,45
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	180,10