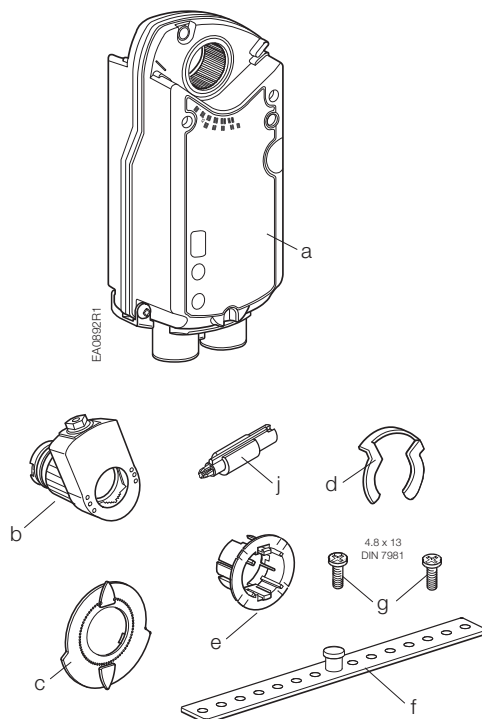


Actuator Components



Legend

- a. Actuator
- b. Self-centering shaft adapter
- c. Position indicator
- d. Shaft adapter locking clip
- e. Position indicator adapter
- f. Anti-rotation bracket
- g. Mounting screws for anti-rotation bracket
- j. Auxiliary switch adjustment tool

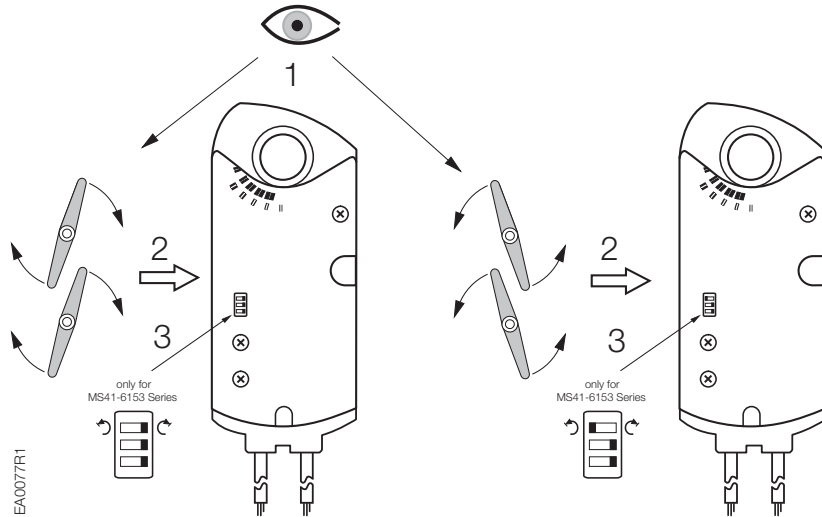


Warning: Do not open the actuator.

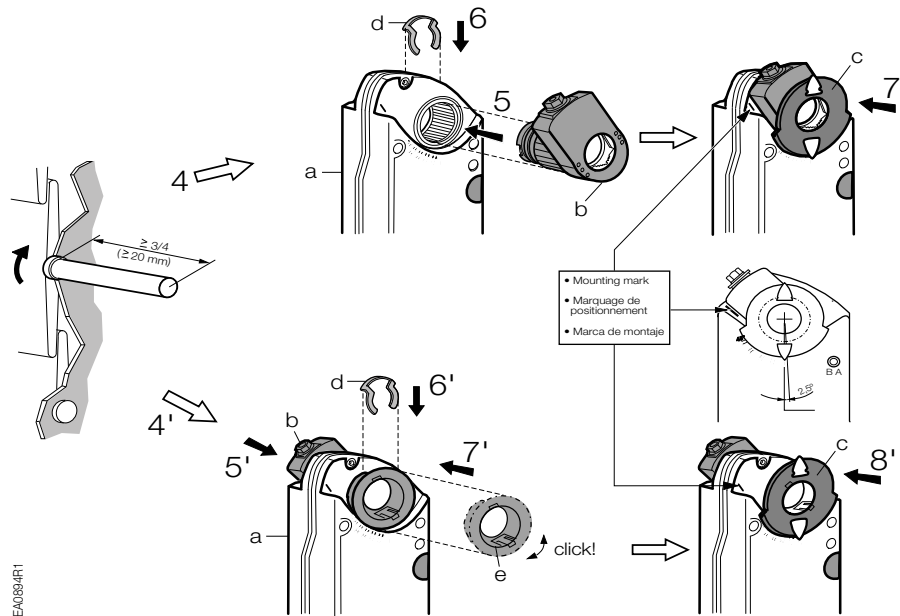
Hints

Keep this instruction guide together with the actuator or with the plant documentation. Additional information is found in General Instructions F-27215-3.

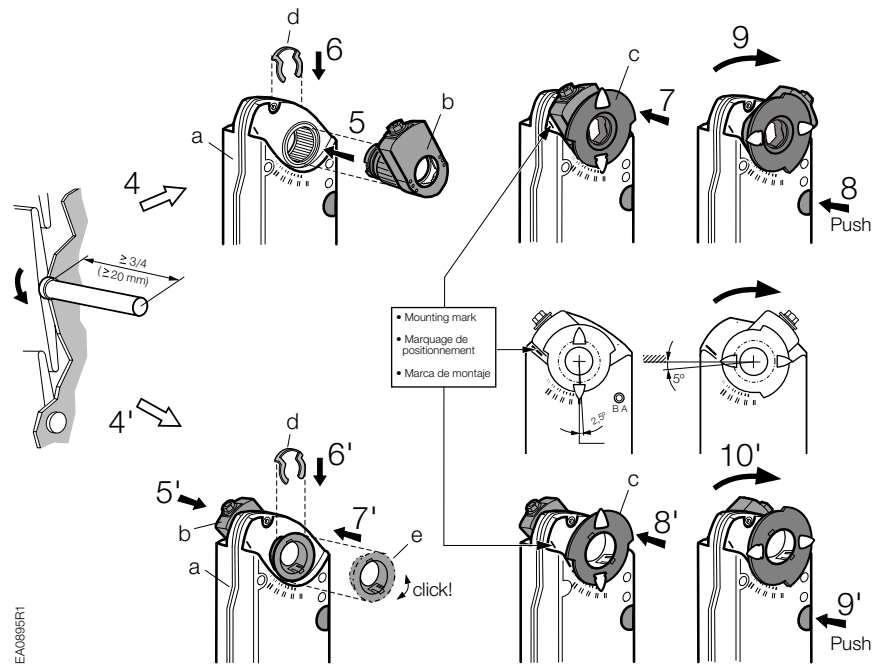
Adapter Mounting



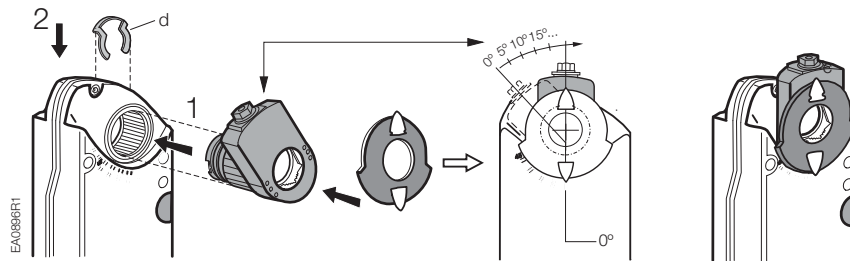
Clockwise to Open



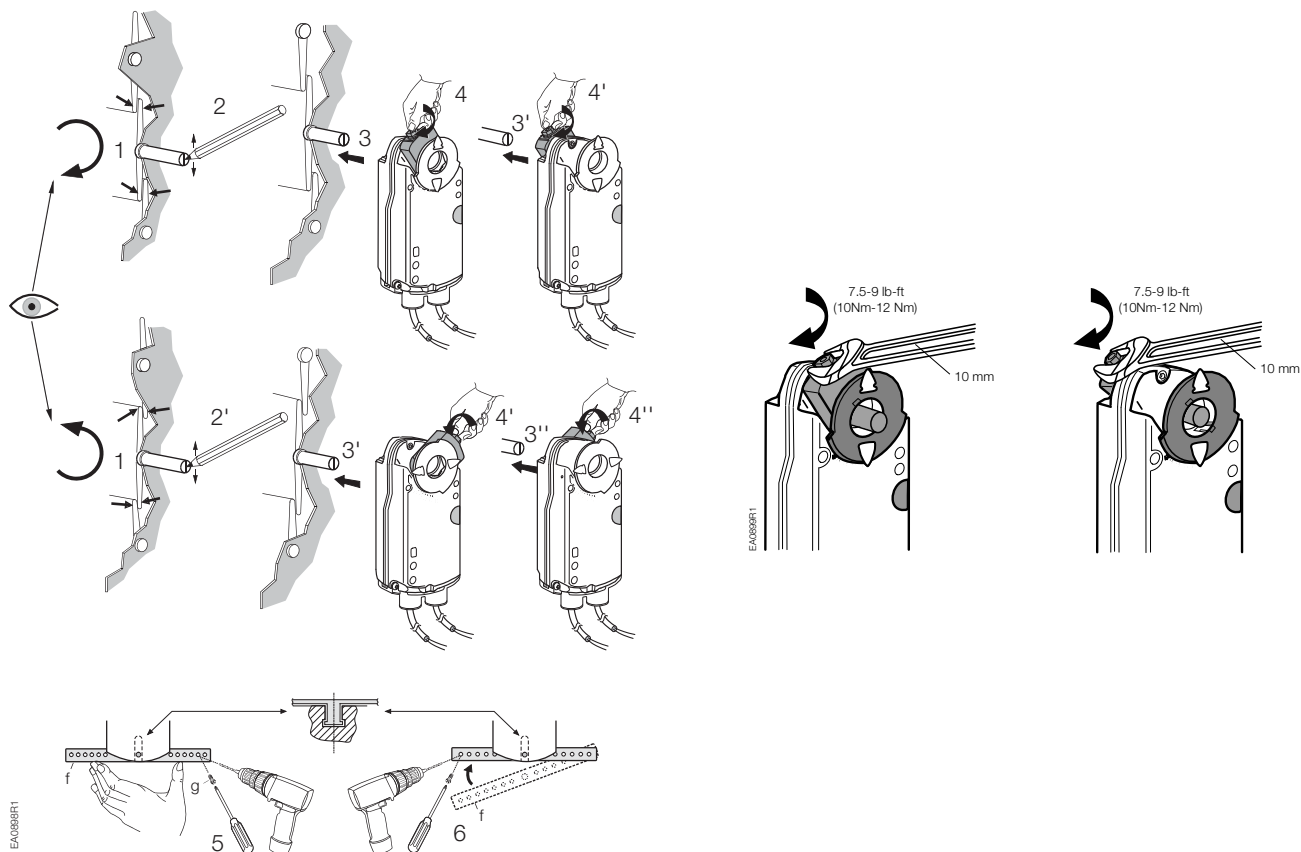
Counterclockwise to Open



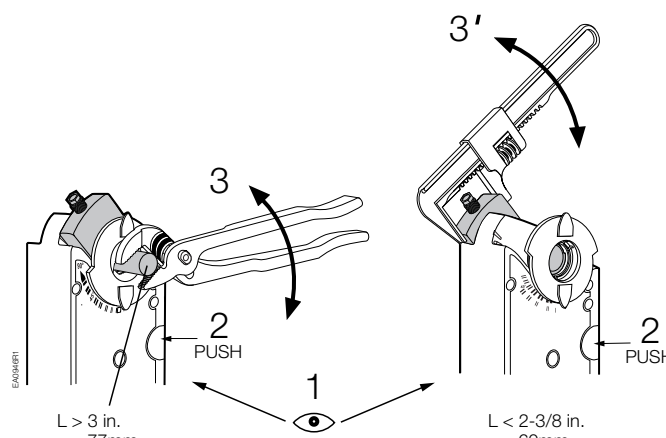
Limits for Angular Rotation



Shaft Mounting



Manual Override



For setting auxiliary switches, see General Instructions F-27215-1.

DIP Switch Functionality

MS41-6153

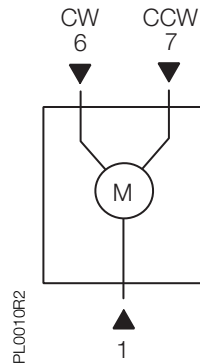
Description	Label			Description	Function
Counterclockwise				Clockwise 	Rotary angle direction
Active			0	Off 	Self-adaptation to mechanical range signal
2 to 10V	2 to 10		0 to 10	0 to 10V 	Selection control signal 2 to 10 Vdc or 0 to 10 Vdc



Factory setting for switch

Wiring Diagrams

MF41-6153

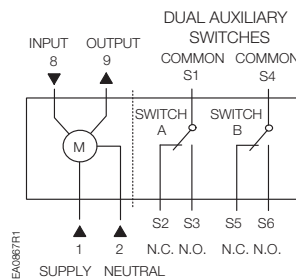


24 Vac
3-position control



Caution: not wire the MF41-6153 actuator in parallel with any other type of actuator.

Ms41-6153



24 Vac
Modulating control
DC 0 to 10V

Connecting	Symbol	Function	Color	Color Abbreviation
24 Vac Actuator	1	Supply (SP)	Red	RD
	2	System Neutral	Black	BK
	6	Control signal clockwise	Violet	VT
	7	Control signal counterclockwise	Orange	OG
	8	0 to 10V input signal	Gray	GY
	9	Output for 0 to 10 Vdc position indication	Pink	PK
Auxiliary Switches	S1	Switch A Common	Gray/red	GYRD
	S2	Switch A N.C.	Gray/blue	GYBU
	S3	Switch A N.O.	Gray/pink	GYPK
	S4	Switch B Common	Black/red	BKRD
	S5	Switch B N.C.	Black/blue	BKBU
	S6	Switch B N.O.	Black/pink	BKPK

References

Electronic Damper SmartX Actuators
MF41-6153/MS41-6153 Series
Non-spring Return Rotary
24 Vac Three-position/Modulating Control
General Instructions

F-27215-1

Dimensions

In Inches (Millimeters)

