

Benefits

- Ideal for smart buildings; integrate with building and home automation systems.
- FM is certified for Smoke & Heat Extraction (SHE).

Applications

Automated operation of awning windows, hopper windows, casement windows, curtain wall vents, and skylights.

FM Actuator Features

- FM actuators are heavy duty operators, with compact casing and low noise operation.
- Push force: Up to 700N (158 lbf)
- Pull force: Up to 700N (158 lbf)
- Actuator has stainless steel double chain for rigidity and durability; Chain is centered in casing.
- Actuators available in Grey, White or other RAL colors
- Prewired with 3.1 meter cable
- Tested to 10,000 cycles



Double zipper chain for higher weight capacity

FM

Part #	Color	Stroke	Force (Push/Pull)
2404958	Silver Grey	Up to 501mm	500N/500N
2400675	White	Up to 501mm	500N/500N
13324506912	Black or other	Up to 501mm	500N/500N
2400691	Silver Grey	Up to 501mm	700N/700N
2404933	White	Up to 501mm	700N/700N
13324549582	Black or other	Up to 501mm	700N/700N
2409049	Silver Grey	Up to 600mm	500N/500N
2408926	White	Up to 600mm	500N/500N
13324590494	Black or other	Up to 600mm	500N/500N
2409320	Silver Grey	Up to 600mm	600N/600N
2409312	White	Up to 600mm	600N/600N
13324593202	Black or other	Up to 600mm	600N/600N
2404040	Silver Grey	Up to 700mm	300N/300N
2404024	White	Up to 700mm	300N/300N
13324540402	Black or other	Up to 700mm	300N/300N
2409064	Silver Grey	Up to 800mm	300N/300N
2408983	White	Up to 800mm	300N/300N
13324590644	Black or other	Up to 800mm	300N/300N

Specifications

Supply voltage	24VDC (-15% / +50%)		
Nom. Current draw	1.2A at 300N load	1.8A at 600N load	
	1.6A at 500N load	2.0A at 700N load	
Limit stop	(Open): Built in limit switch (Closed) Integrated electronic power cut-off		
Chain stroke (approx)	501mm (19 ³ / ₄ "	700mm (27 ⁹ / ₁₆ "	
	600mm (23 ⁵ / ₈ "	800mm (31 ¹ / ₂ "	
Push force (Max)	Up to 700N (158 lbf +/- 3%)		
Pull force (Max)	Up to 700N (158 lbf +/- 3%)		
Clamping force (Max)	3000N (675 lbf +/- 3%) force needed to rip chain out of actuator case		
Chain speed	10mm/sec		
Dimensions	501mm stroke = 643 x 100.5 x 66mm (25 ⁵ / ₁₆ " x 3 ¹⁵ / ₁₆ " x 2 ⁵ / ₈ ") 600mm stroke = 744 x 100.5 x 66mm (29 ⁵ / ₁₆ " x 3 ¹⁵ / ₁₆ " x 2 ⁵ / ₈ ") 700mm stroke = 846 x 100.5 x 66mm (33 ⁵ / ₁₆ " x 3 ¹⁵ / ₁₆ " x 2 ⁵ / ₈ ") 800mm stroke = 948 x 100.5 x 66mm (37 ⁵ / ₁₆ " x 3 ¹⁵ / ₁₆ " x 2 ⁵ / ₈ ")		
Power cable	3.1 meter cable included, black color		
Run/Rest cycle	For every 60 sec running (on), must then rest (off) for 120 sec		
Ambient Oper Temp	-10 °C to +60 °C (14 °F to 140 °F)		
Listing	UR Recognized		
Protection class	IP20		
Case	Aluminum		
Colors	Powder-coated: Silver Grey (RAL 9006), White (RAL 9016)		
Special colors	Black (RAL 9005) and other RAL colors on request, see accessory data sheet.		
Opening mechanism	Stainless steel chain, chain is centered in case		

Optional Accessories - Mounting Brackets

See accessory data sheet for complete details

Part #	Description	Finish
67001040	Swivel bracket	Raw aluminum
2600856	Swivel bracket 4 ° limited	Raw aluminum
2600810	Swivel bracket for casement mounting on bottom or side-hung windows.	Raw aluminum



2600810 Limited Swivel Brackets

Dimensions

501mm stroke	600mm stroke	700mm stroke	800mm stroke
Length A = 643mm	Length A = 744mm	Length A = 846mm	Length A = 948mm
Length B = 583mm	Length B = 684mm	Length B = 786mm	Length B = 888mm

