

# PRODUCT DATASHEET

## LM650 Weather Proof Spindle Actuator

Suitable for use in smoke and natural ventilators

### Technical

Voltage: 24 Vdc +/- 15%

No-load Ampere : 0.1A

Operating current:

N type: 0.5A

E type: 0.9A

Stroke: 100-700mm

Push/Pull forces : 650N

Clamping forces: >3000N

(based on manufacturers bracket)

Speed: 5.3 mm/s

Housing: Extruded Aluminum

Finish: Anodized RAL9006

Cable: 1 meter silicon cable

Ingress Protection: IP 67

Endurance: 10,000 cycles on  
30% duty cycle

Weight : 1.8 kg (300mm)

Synchronization: internal



### Description

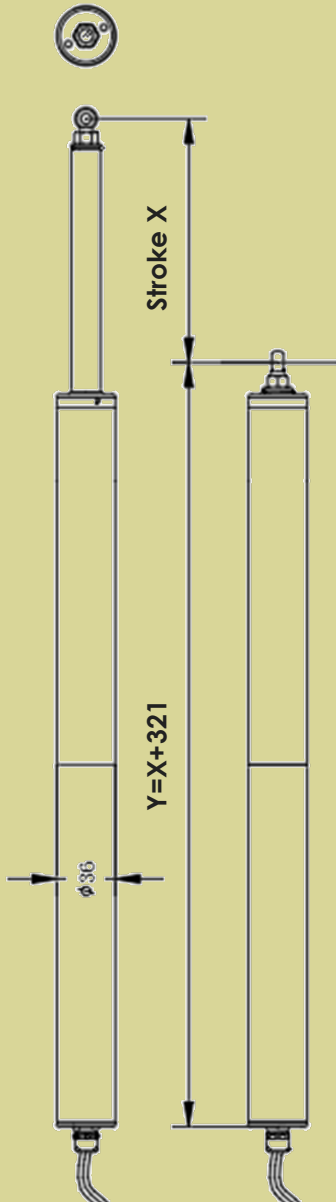
Designed for use in outdoor with good Ingress Protection to IP 67. Ideal for natural and smoke ventilation application where the product are mounted externally and subject to harsh environment. Strong linear actuator for used in heavy roof ventilator or big windows. Intelligent control is regular and conventional current limiting controls available upon request.

### Features

- Strong linear actuator for up to 700N, 700m stroke.
- Corrosion resistance.
- Meets B300 (300°C 30 Mins) EN 12101-2 annex G.
- Meets EN12101-2 annex C cycling test for 10,000 cycles.
- Option: soft opening, water seal relief and finger protection.
- High speed version available to open 600mm in 60 seconds.
- Smart version available for network control installation.
- Micro processor controlled synchronization up to 8 actuators for the intelligent version.

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## Dimension



Stroke X (mm)	Y (mm)
100	421
300	621
500	821
600	921
700	1021
1000	1321

Order code	Description
S06.W.D.100.A.L0	Spindle actuator,650N,100mm, 24Vdc(bracket not included)
S06.W.D.500.A.L0	Spindle actuator,650N, 500mm, 24Vdc(bracket not included)
S06.W.D.700.A.L0	Spindle actuator,650N, 700mm, 24Vdc(bracket not included)
S06.V.D.100.A.L0	Intelligent spindle actuator,650N, 100mm, 24Vdc(bracket not included)
S06.V.D.500.A.L0	Intelligent spindle actuator,650N, 500mm, 24Vdc(bracket not included)
S06.V.D.700.A.L0	Intelligent spindle actuator,650N, 700mm, 24Vdc(bracket not included)
S06.B.S.046.U	650N Linear Actuator Bracket Set, O+U type, U-stainless steel 3mm thickness, height 46mm , O- aluminum alloy

## How to order VARIANCES

**S06**

S06 = 650N

**W**

W= weather proof  
V = intelligent & waterproof

**D**

D = 24Vdc  
A= 230Vac

**XXX**

Stroke  
1000mm = 1K0  
500mm = 500  
300mm = 300

**S**

S = Powder coated silver  
A = Anodized (RAL 9006)  
B = Black



Use of improper brackets will damage windows and actuators or reduce their useful life, please contact our sales for special brackets supply. The brackets drawings are updated from time to time, visit our website for more information.

