



LUILEC



**DTL
LINEAR
ACTUATOR**

PROFESSIONAL SUPPLIER OF LINEAR ACTUATOR!



DTL LINEAR ACTUATOR

DTL linear actuator is widely used in electric sofa, medical nursing bed, operating bed, massage chair and many other fields.

It has the advantages of good manufacture, large thrust, small noise, flexible and easy to operate.

If the power fails in the course of work, you can always keep the brake, stop at any position.



Provide You With The Perfect Solution

We Can Provide You All Kinds Of High Quality Linear Actuators

Product Parameters

- 1、 Aluminum Alloy With Dc Motor Gear Slowdown
- 2、 Standard Protection Level: IP54
- 3、 Built-in Limit Switch: Not Adjustable
- 4、 Noise Level: 35db(a) Measurement Method The Actuator Is Not Loaded
- 5、 Certificate: CE
- 6、 Operating Temperature Limits: -29~+65°C
- 7、 Full Load Duty Cycle: 10%



CATALOGUE

Drawing

DTL linear actuator has the advantages of good manufacture, large thrust, small noise, flexible and easy to operate.

01

Wiring Instructions

Our company specialized in the supporting production of high-end gas spring, and have a independent research and development laboratory and R&D team, it can meet the customized requirements of customers.

02

Specification List

The principle is that an electric drive device is used to change the rotational motion of an electric motor into the rectilinear motion , by controlling the positive and negative rotation of the motor to complete the straight motion of linear actuator.

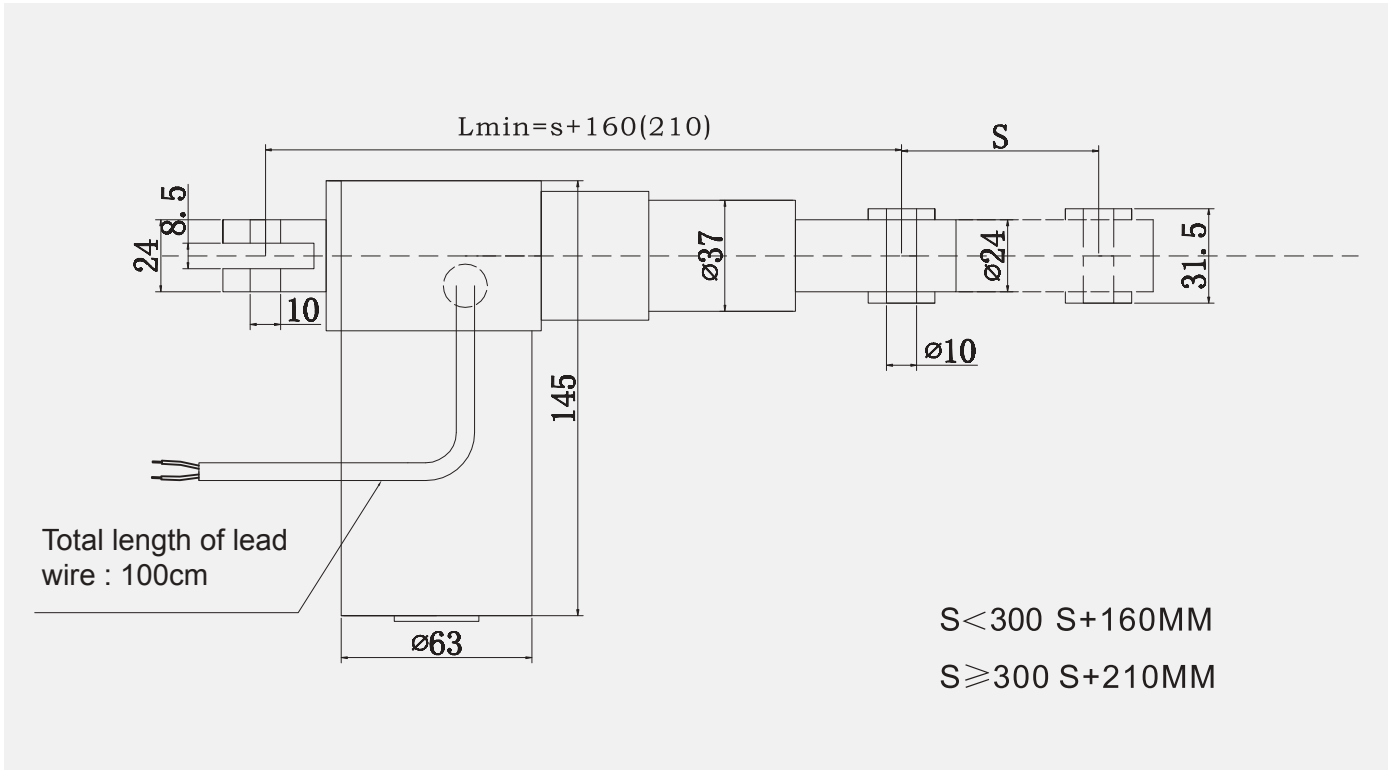
03

Five connectors are available

It is the most widely used in skylights, fire fighting equipment, medical equipment, electric sanitation vehicles, electric furniture and mechanical equipment.

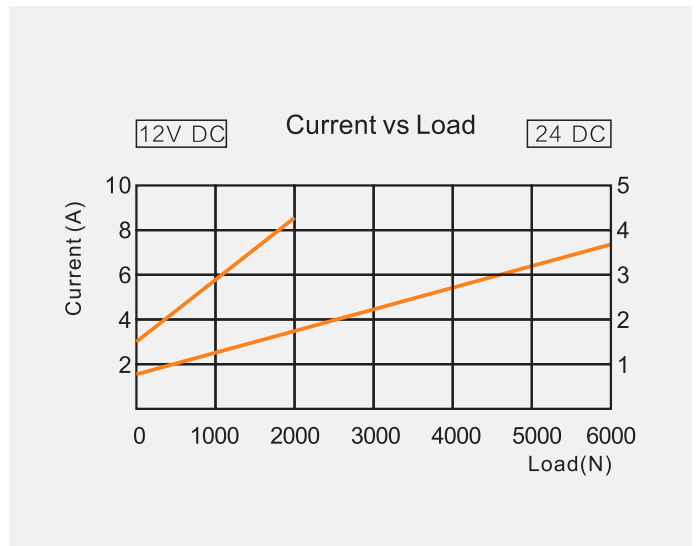
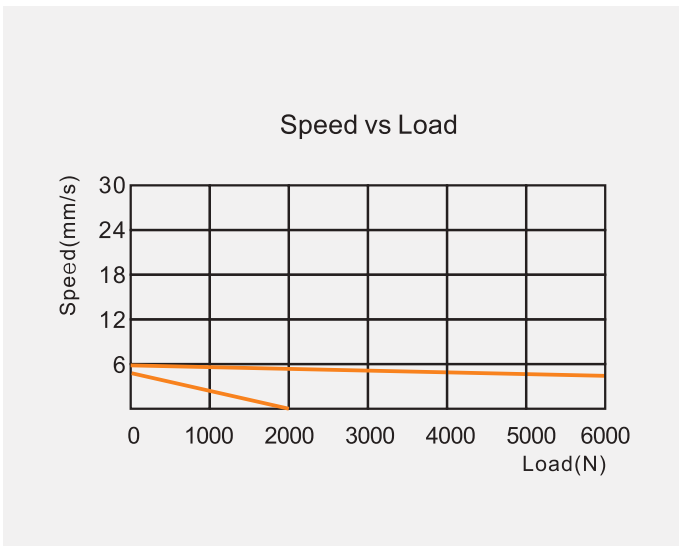
04

○ Drawing

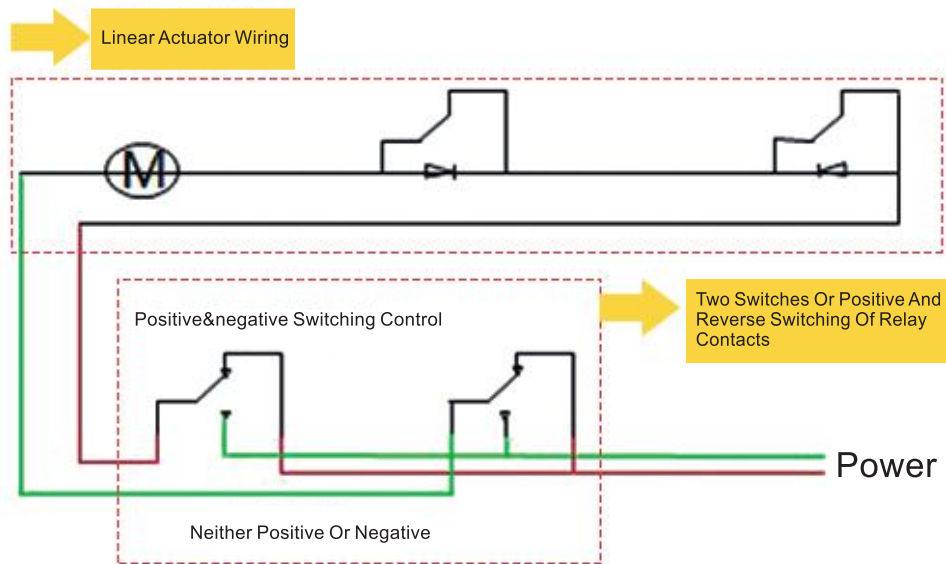


We can do customized just according to your requests

○ Graph (Current Load)



© Wiring Instructions



© Precautions

1. The electric push rod produced by our company is fixed on a linear guiding mechanism when it is installed. Do not cause mechanical interference to avoid motor or mechanical structure failure.
2. Please input DC power according to the voltage specification calibrated by the electric push rod.
3. If the customer provides the power supply and controller, please install the overload detection device to ensure that the electric push rod will not be damaged.
4. In addition to special customization, the rated operating rate of our electric push rod is 10%. This operating rate is defined as continuous operation for 2 minutes and rest for 18 minutes. If the customer uses more than the rated operating rate

Please install overheat detection and overheat prevention device (such as fan), and use the overheat detection signal to control the electric push rod and stop it according to the control requirements

Stop movement or interrupt power supply.

5. The motor of the electric push rod is a DC motor. When the power input line of the motor is mutually adjusted, the output shaft of the electric push rod moves in the opposite direction.

© Specification List

Item No.	Stroke	Mini Install Length	Item No.	Stroke	Mini Install Length
DTL30	10 mm	S+160mm	DTL650	650 mm	S+210mm
DTL50	50 mm		DTL700	700 mm	
DTL100	100 mm		DTL750	750 mm	
DTL150	150 mm		DTL800	800 mm	
DTL200	200 mm		DTL850	850 mm	
DTL250	250 mm		DTL900	900 mm	
DTL300	300 mm		DTL950	950 mm	
DTL350	350 mm	S+210mm	DTL1000	1000 mm	
DTL400	400 mm		DTL1050	1050 mm	
DTL450	450 mm		DTL1100	1100 mm	
DTL500	500 mm		DTL1150	1150 mm	
DTL550	550 mm		DTL1200	1200 mm	
DTL600	600 mm		DTL1250	1250 mm	
Voltage			Load and Speed		
12V			2200N~5mm/s		
24V			6000N~5mm/s		
24V			3000N~10mm/s		

© Application



WINDOW

ADJUSTABLE TABLE



SOFA



© CONTROL SYSTEM



Self locking ability


i To ensure maximum self-locking ability, please be sure that the motor is shorted when stopped. Actuators with integrated controller provide this feature, as long as the actuator is powered.

When using soft stop on a BLDC-motor, a short peak of higher voltage will be sent back towards the power supply. It is important when selecting the power supply that it does not turn off the output, when this backwards load dump occurs.

© INSTALLMENT ACCESSORIES



Be aware of the following two symbols throughout this product data sheet:

-  When mounting a custom bracket on the moving part of the actuator, please observe the minimum clearance between bracket and cylinder top, when fully retracted, to avoid jamming and destruction of actuator drive train.