

**LUILEC**



**SXTL  
LINEAR  
ACTUATOR**

PROFESSIONAL SUPPLIER OF LINEAR ACTUATOR!

# SXTL LINEAR ACTUATOR

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SXTL linear actuator is the most widely used actuators. 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.



Provide You With The Perfect Solution  
We Can Provide You All Kinds Of High Quality Linear Actuators

## Product Parameters

- 1、 Rated power : 20~35 W
- 2、 Voltage : 12V / 24V DC
- 3、 Customizable length : 10-1500 MM
- 4、 Ambient temperature : -40°C ~ +102°C
- 5、 No load current : 0.5~0.6 A
- 6、 Power : 60 W
- 7、 Voltage : 12V / 24V DC
- 8、 Motor style : ordinary worm motor
- 9、 Maximum thrust : 1800N
- 10、 Decibel : Low noise, about 56dB
- 11、 Material : aluminum alloy / engineering plastic
- 12、 IP rating : IP66
- 13、 Certificate : CE



# CATALOGUE

## Drawing

SXTL linear actuator is the most widely used actuators.

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.

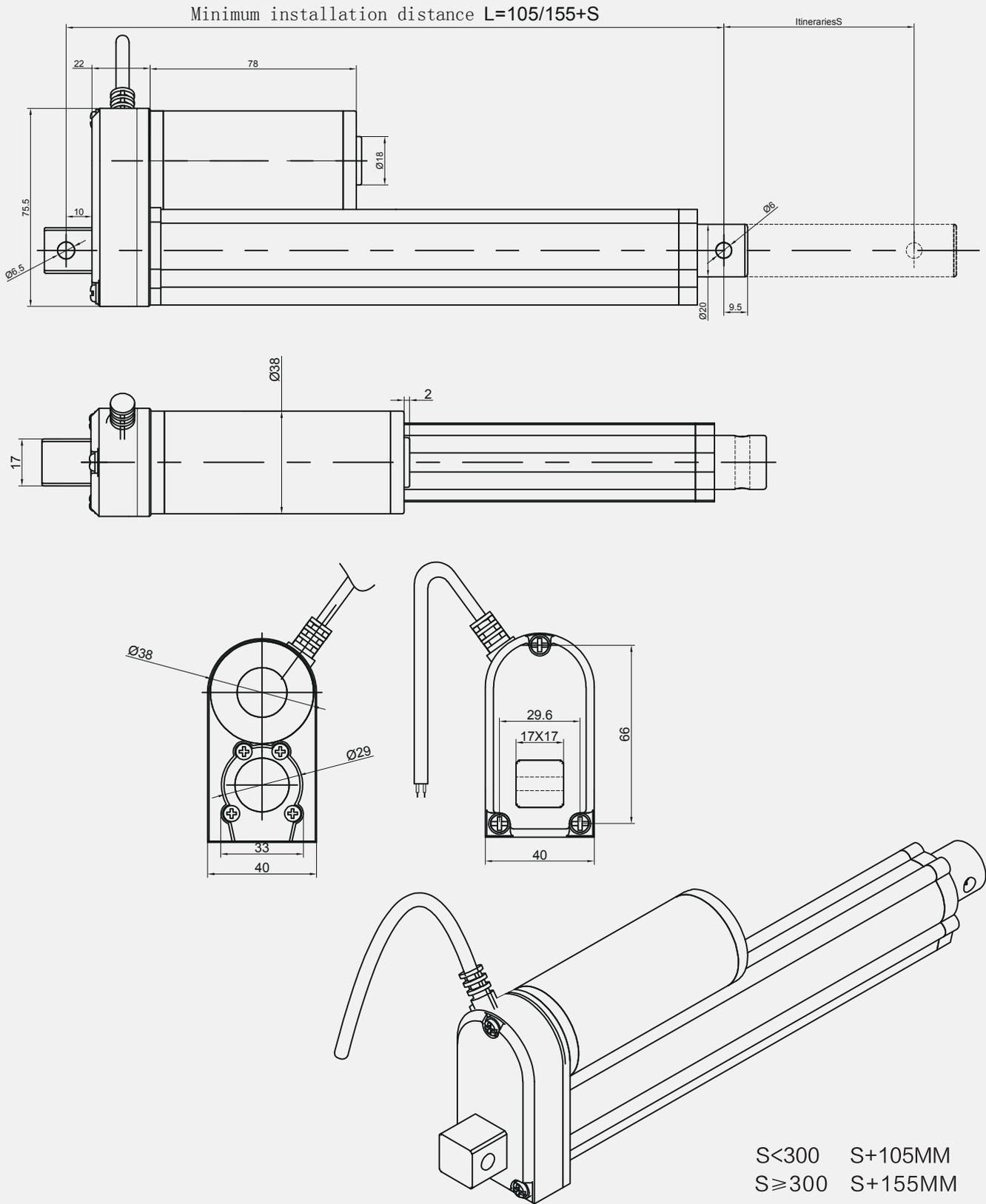
03

## Five connectors are available

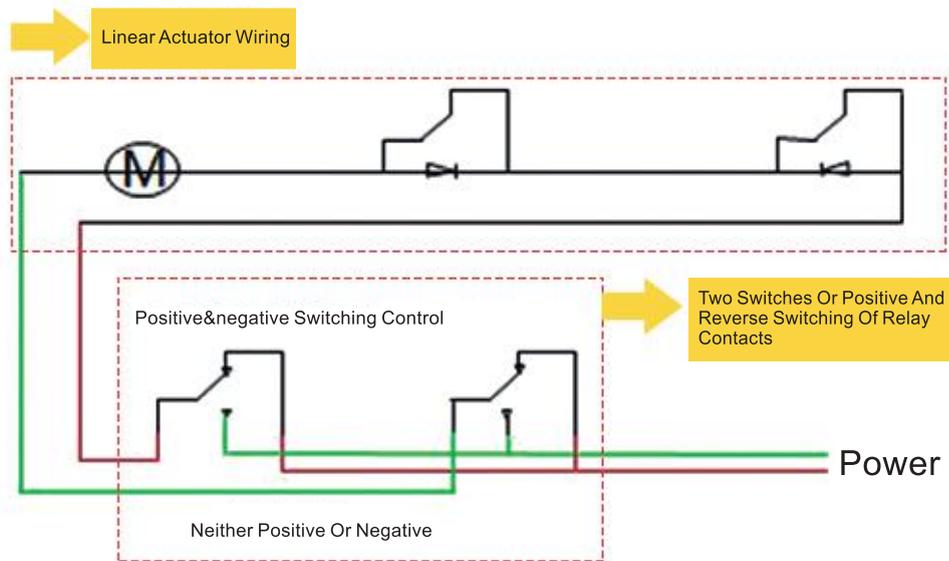
It is the most widely used in skylights, fire fighting equipment, medical equipment, electric sanitation vehicles, electric furniture and mechanical equipment.

04

# © Drawing



## © 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
SXTL10	10 mm	S+105mm	SXTL800	800 mm	S+155mm
SXTL50	50 mm		SXTL850	850 mm	
SXTL100	100 mm		SXTL900	900 mm	
SXTL150	150 mm		SXTL950	950 mm	
SXTL200	200 mm		SXTL1000	1000 mm	
SXTL250	250 mm		SXTL1050	1050 mm	
SXTL300	300 mm	S+155mm	SXTL1100	1100 mm	
SXTL350	350 mm		SXTL1150	1150 mm	
SXTL400	400 mm		SXTL1200	1200 mm	
SXTL450	450 mm		SXTL1250	1250 mm	
SXTL500	500 mm		SXTL1300	1300 mm	
SXTL550	550 mm		SXTL1350	1350 mm	
SXTL600	600 mm		SXTL1400	1400 mm	
SXTL650	650 mm		SXTL1450	1450 mm	
SXTL700	700 mm		SXTL1500	1500 mm	
SXTL750	750 mm				

Speed mm/s	Load (N)	
	12V	24V
7	1000	1400
12	800	1000
14	550	750
20	400	500
24	350	500
36	150	250
48	150	250
60	90	130
65	50	80
100	40	60
180	30	50

© Waterproof



© Five connectors are available



①



②



③



④



⑤

## © Application

WATER STORAGE TANK



MACHINE



ELECTRIC LIFTING MACHINE



## © 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.