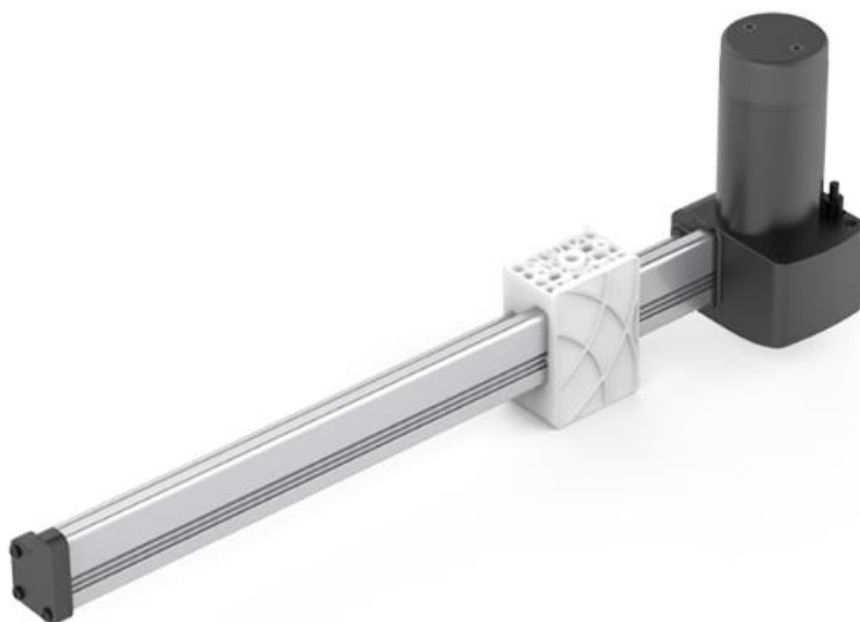


## Features

- Low Noise
- Preset Limit Switches
- Hall Effect Sensor
- Input Voltage 24VDC
- Stroke 800mm
- IP42
- Duty Cycle 10%

## RS PRO Linear Actuators

RS Stock No.: 177-4521



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

BD61 is a quiet and powerful actuator up to 6000N thrust, designed for furniture, home care and fitness equipment. The design of slider-type linear motion achieves a larger stroke with a smaller installation size.

Main Application: Furniture, Home Care, Fitness Equipment

## General Specifications

Actuator Type	ACME Screw
Motor Technology	DC Motor
Control	S - Limit Switch H - Hall Effect x 2
Series	BD61
Colour	Black & Silver
Duty Cycle	10% or 2 min of continuous operation in 20 min.
Housing	Plastic molding, and aluminium

## Electrical Specifications

Input Voltage	24VDC
Current No Load	0.6A at 24VDC
Current Full Load	2.9A at 24VDC
Motor Power	70W
Maximum Acceleration	N/A
Maximum Load	3000N Push/ 4000N Pull
Maximum Speed No Load	11.0mm/s
Maximum Speed Full Load	8.2mm/s
No Load Torque	N/A
Maximum Force Lifting	3000N
Noise Level	≤ 53dB
Motor	Permanent magnet motor 24V DC/ 3300rpm
Connection	Black PVC with molded F type 6 Pin DIN plug
Positioning Feedback	Hall effect

## Mechanical Specifications

Maximum Stroke Length	800mm
Brake	N/A
Spindle Type	Pitch=8mm
Gear Ratio	N/A
Front Connector	N/A
Rear Connector	Drilled Hole, 10mm
Clevis Ends	
Screw	ACME screw
Overall Length Closed	995mm
Weight	3.24Kg or 3240g
Ambient Operation Temperature	-20°C to 65°C
Storage Temperature	-20°C to 65°C
IP Rating	IP42

## Approvals

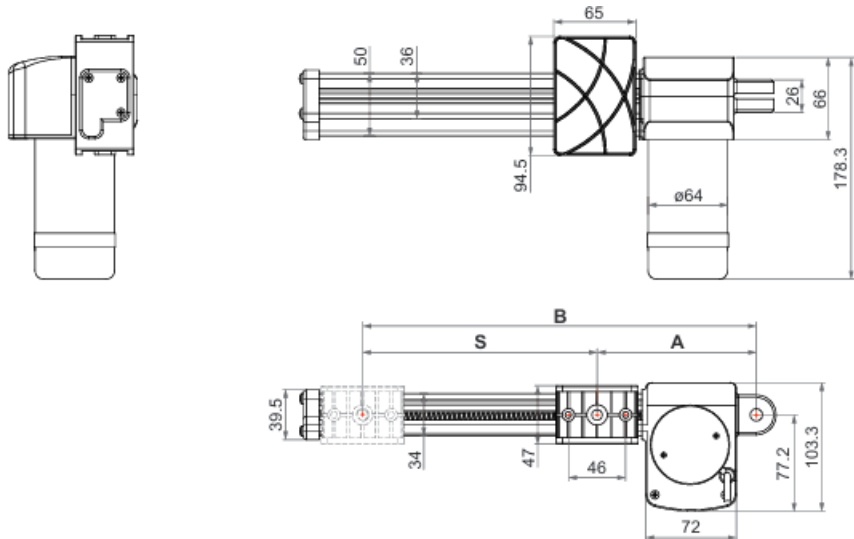
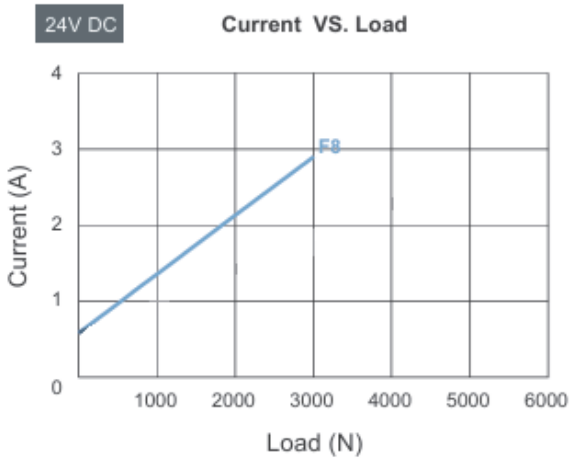
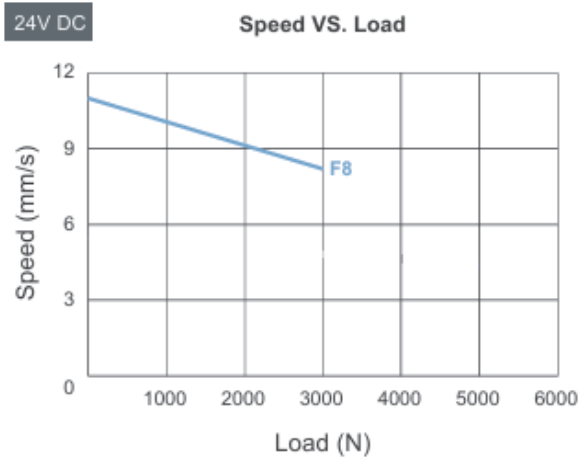
Compliance/Certifications	CE / EN55014-1:2017+A11:2020
Declarations	EN 55014-2:2015

## Accessories

Accessory	RS PRO Product Number
Controller	1774523
	

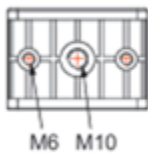
Accessory	RS PRO Product Number
Handset	1774527
	

Other Specifications

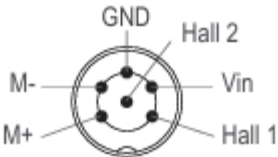
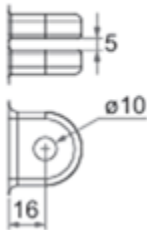


A	127mm
B	927mm

• Front connector



• Rear connector



F-type DIN male plug

F type 6 Pin DIN Plug Pin Out  
For Hall Effects