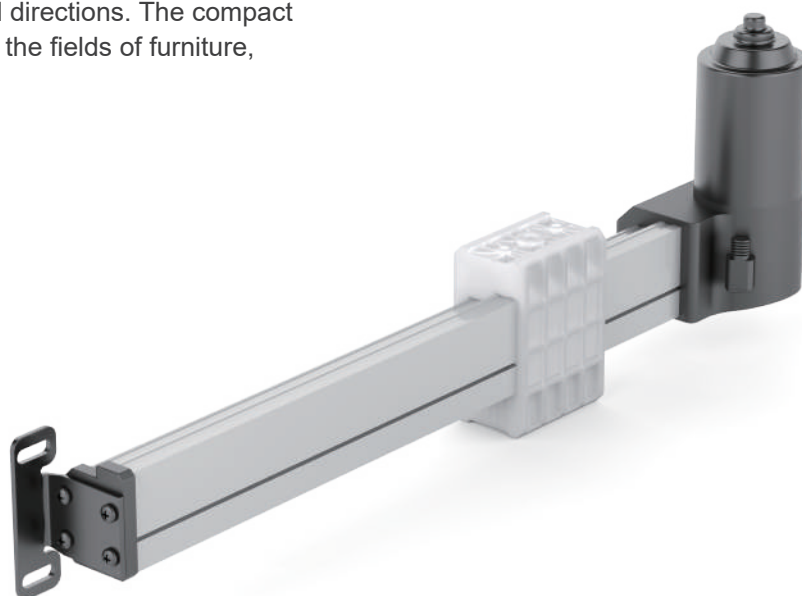


Actuator

BD62

BD62 belongs to the design concept of slider-type linear motion, which can obtain a larger stroke with a smaller installation size, and can be applied in both push and pull directions. The compact size design is an ideal driving solution in the fields of furniture, home care and fitness equipment.



Features and Options

Main applications: Furniture, Home care and Fitness equipment

Standard features:

- Input voltage: 24V DC
- Max. load: 3000N (Push / Pull)
- Max. speed at no load: 6.2mm/sec (typical value)
- Speed at full load: 3.8mm/sec (typical value @3000N Loaded)
- Stroke: 100 ~ 1000mm
- Noise level: ≤ 55 dB
- IP Level: IP20
- Preset limit switches
- Front end cover has the metal plate for fixing
- Duty cycle: 10%, max. 2 min. continuous operation in 20 min.
- Operating ambient temperature: -20°C ~ +65°C

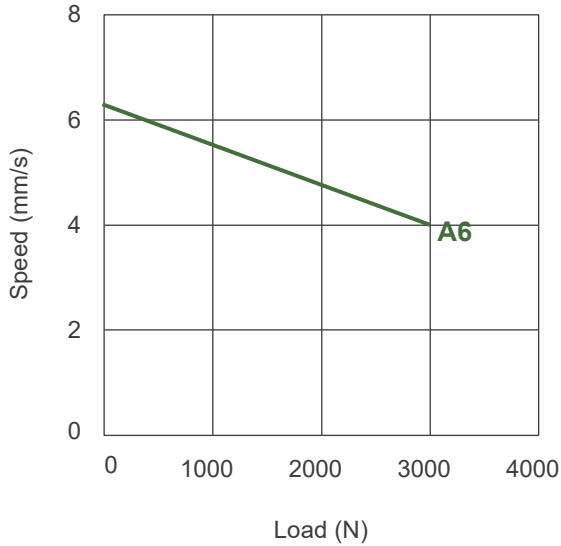
Options:

- Positioning signal feedback with Hall effect sensor x 2

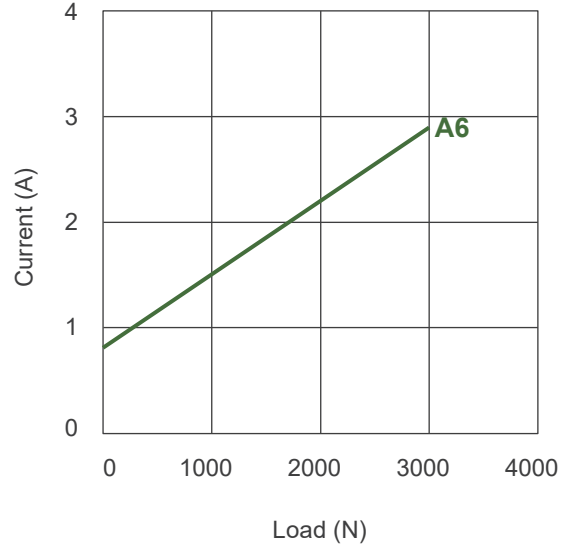
Performance Data

Model No.	Push Max. (N)	Pull Max. (N)	Typical Speed (mm/s)		Typical Current (A)	
			No Load	Full Load	No Load	Full Load
BD62-D0-24DA6 ...	3000	3000	6.3	4.0	0.8	2.9

Speed vs. Load



Current vs. Load

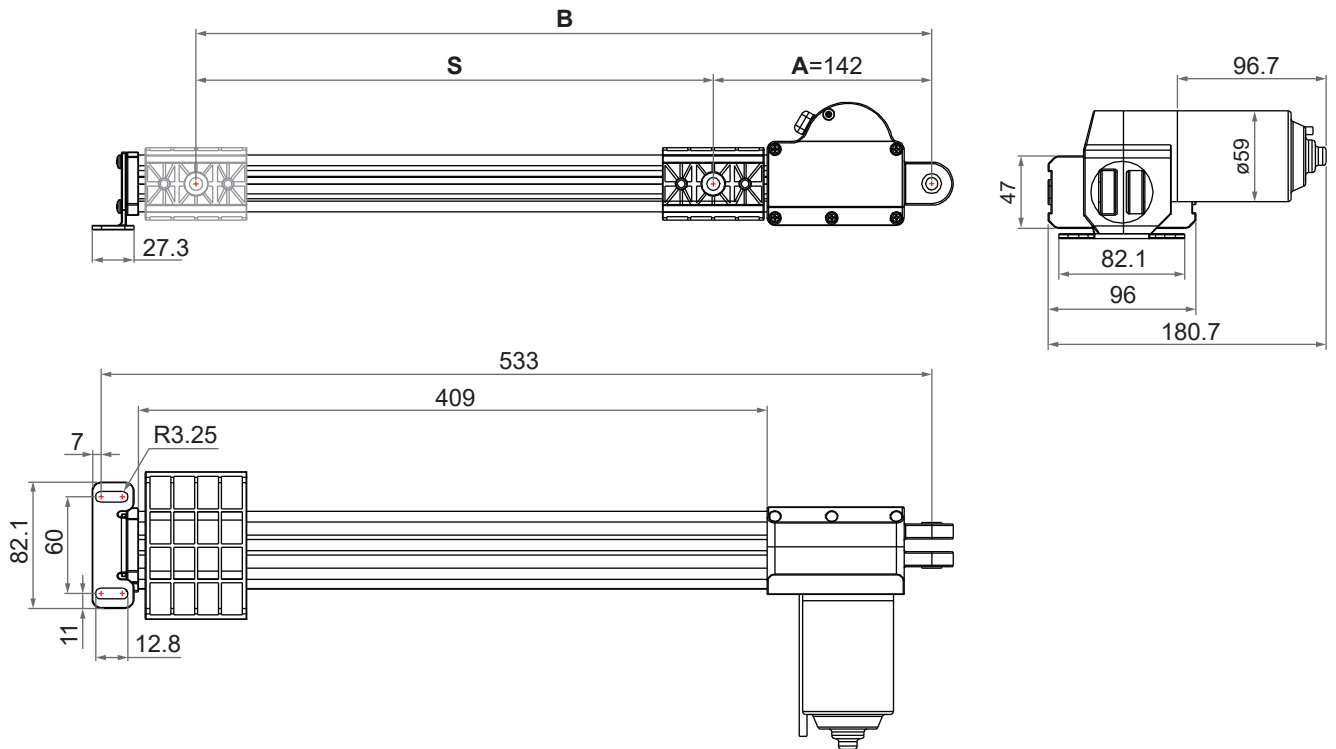


Remarks:

- * The typical speed or typical current means the average value neither upper limit nor lower limit. The performance curves are made with typical values.

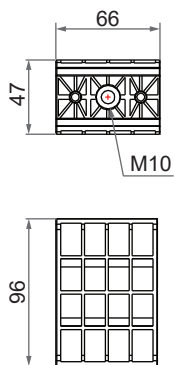
Dimensions

- Available stroke (S) range = 100 ~ 1000mm
- Extended length (B) = Retracted length (A) + Stroke (S)
- Retracted length (A) = 142mm Min. (± 3 mm)
- Drawing



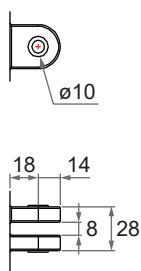
• Front connector

D: D-type plastic slider block



• Rear connector

0: Plastic



Unit: mm

Compatibility

Product	Model	BD62 spec
Control box	T-control, CS1, CS2, CB3T, CB4M, CBT2	<ul style="list-style-type: none"> • Without positioning feedback • With MOTECK F-type 4-pin DIN plug
	CF11H, CF12H	<ul style="list-style-type: none"> • Without positioning feedback • With Moteck L3-type minifit 6-pin plug
	CB3T-SY, CB4M-S, CB4M-B	<ul style="list-style-type: none"> • With dual Hall effect sensors for positioning • With MOTECK F-type 6-pin DIN plug
	CF11S, CF12S	<ul style="list-style-type: none"> • With dual Hall effect sensors for positioning • With Moteck L3-type minifit 6-pin plug
Hand control	Depend on control box	<ul style="list-style-type: none"> • Powered by control box
	H3B, HZ01	<ul style="list-style-type: none"> • With MOTECK Direct-Cut cable TL1*
	H2G, HB, TPSG HS02, HZ02, HZ03, HZ04, HZ05, HZ06	<ul style="list-style-type: none"> • With MOTECK Direct-Cut cable DL1*
Accessory	Switching mode power supply: TSW1, TSW4	<ul style="list-style-type: none"> • With MOTECK Direct-Cut cable DL1 or TL1

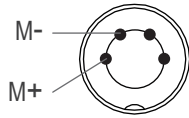
Remarks:

* Connect Direct-Cut cable to DC power supply and hand control directly, no control box.

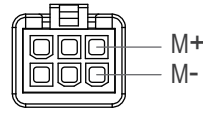
Cable Plug

A. With Moetck F-type or L3-type plug (Required to be connected to the control box):

- Without positioning feedback



F-type 4-pin DIN plug

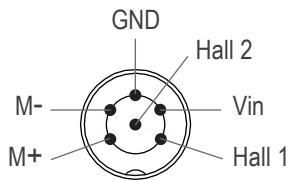


L3-type Minifit 6-pin plug

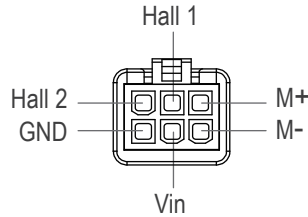


F-type

- Positioning feedback with dual Hall effect sensors



F-type 6-pin DIN plug



L3-type Minifit 6-pin plug



L3-type

Note: Pin definition

	Definition	Comments
Power	M+	Connect M+ to "Vdc +" & M- to "Vdc -" of DC power to extend the actuator. Switch the polarity of DC input to retract it.
	M-	
Signal	GND	
	Vin	Voltage input range (Vin): 3.5 ~ 20V
	Hall 1	Hall effect sensor resolution: 6.667 pulses/mm Output voltage of signal (DATA) = Vin Hall signal data:
	Hall 2	

Actuator extends

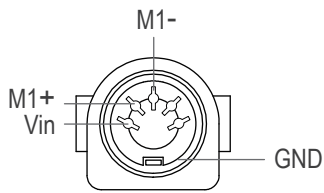
Actuator retracts

B. With Direct-Cut cable DL1 or TL1 (NOT required to be connected to any control box):

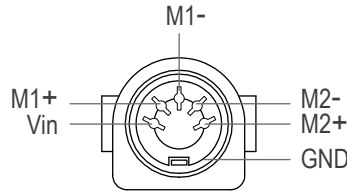
- Hand control connector: with Moteck U-type female connector

- 1 drive

- 2 drives



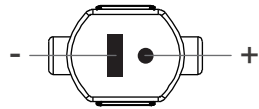
5-pin connector
(Moteck pinout: C-DIN-51R)



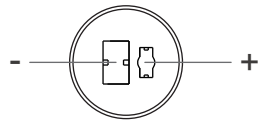
5-pin connector
(Moteck pinout: C-DIN-52R)

Note: Connect M+ to "Vdc +" & M- to "Vdc -" of DC power to extend the actuator. Switch the polarity of DC input to retract it. Definition of the M2 actuator is the same.

- Power plug: with Moteck S-type DIN 41529 male plug

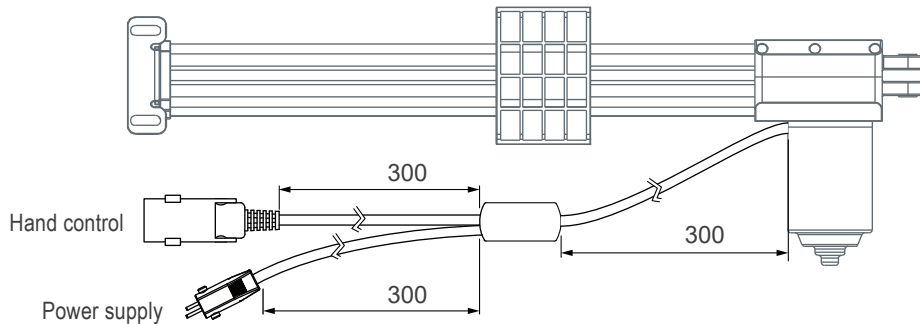


- Connector for 2nd actuator: with Moteck R-type DIN 41529 female connector (for TL1 only)

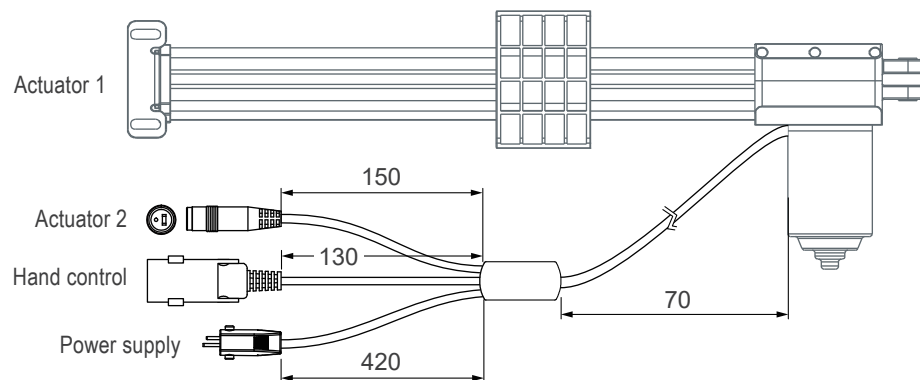


- Cable length

- With Direct-Cut cable DL1



- With Direct-Cut cable TL1



U-type

S-type

R-type

Unit: mm

Ordering Key

BD62 - D 0 - 24 D A6 - 157 . 0612 - H 0 R 0

Front connector	D: D-type plastic slider block <i>(Refer to Page 3)</i>
Rear connector	0: Plastic <i>(Refer to Page 3)</i>
Input voltage	24: 24V DC
Motor	D: Default motor
Motor and spindle type	A6: 2500rpm / 6mm pitch <i>(Refer to Page 2)</i>
Retracted length	XXX <i>(Refer to Page 3)</i>
Extended length	XXXX <i>(Refer to Page 3)</i>
Positioning feedback	0: None H: Dual hall effect sensors
Reserved	0: No meaning
Location of cable outlet	R: Rear end <i>(Refer to Page 3)</i>
Cable	0: 300mm straight 1: 1000mm straight 2: 450mm with 300mm coiled A: Dedicated cable DL1, without control box <i>(Refer to Page 6)</i> B: Dedicated cable TL1, without control box <i>(Refer to Page 6)</i>

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