

Lifting Column DLC2

DLC2 is a 2-part in-line lifting column featuring quiet and moving speed. Attributing to robust design, DLC2 can be used as a single column or combined columns as synchronization system, which is applicable to lifting table, work bench, and work station... etc.



Features

- Main applications: Home care, Furniture
- Input voltage: 24V DC
- Max. load: 2000N
- Max. current: 4.5A @ 29V DC
- Max. speed at no load: 18 mm/sec (typical value)
- Max. speed at full load: 13 mm/sec (typical value @2000N loaded)
- Stroke: 450mm / 261mm / 140mm
- Bending moment: 1000Nm (static) / 750Nm (dynamic)
- Anodized aluminum body
- Preset limit switches
- Noise level: ≤ 53 dB
- Duty cycle: 10%, max. 2 min. continuous operation in 20 min.
- Ambient operation temperature: 0°C ~ +45°C
- Certified: CE marking, EMC Directive 2014/30/EU

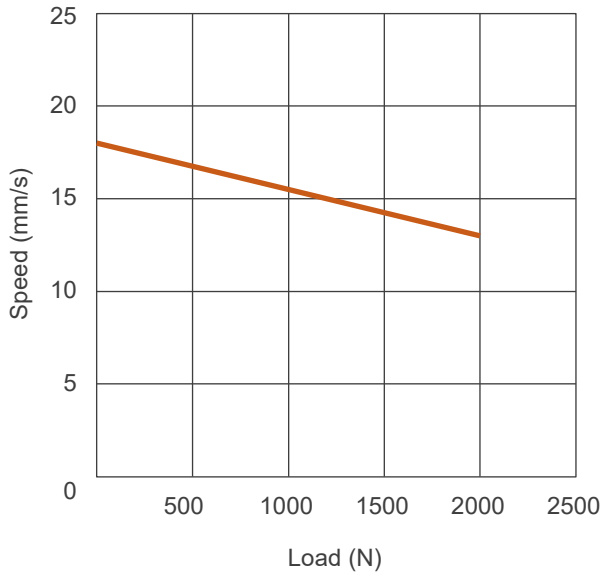
Options

- Digital positioning feedback with Hall effect sensors x 2

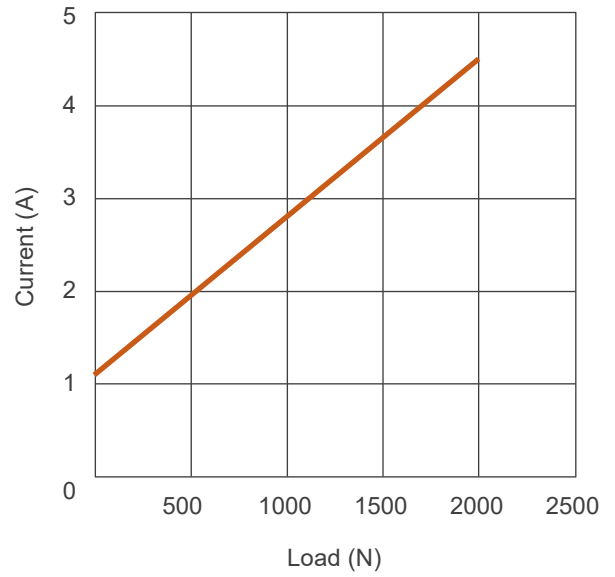
Performance Data

Model No.	Push / Pull Max. (N)	Typical Speed (mm/s)		Typical Current (A) @ 29V	
		No load	Full load	No load	Full load
DLC2-24H6-XXX.XXX-0X00X	2000	18	13	1.1	4.5

Speed vs. Load

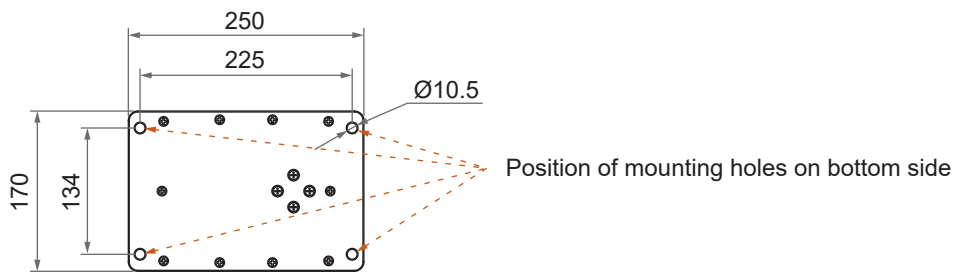
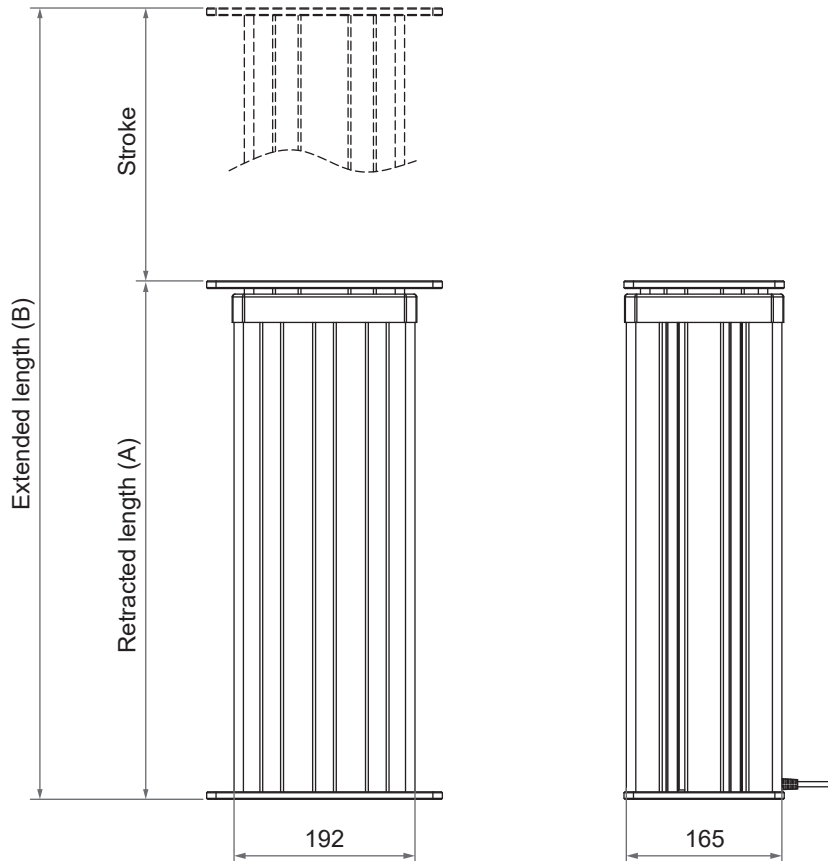
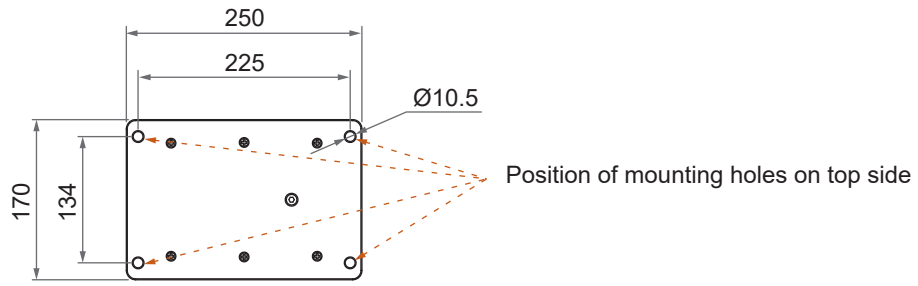


Current vs. Load



Dimensions

unit: mm



Installation Dimension

Stroke (S)	450	261	140
Retracted length (A)	660	550	330
Extended length (B)	1110	811	470

unit: mm

Compatibility

Product	Model	DLC2 spec
Control box	CF11D, CF13	- Positioning feedback sensors with dual Hall effect sensors. - With Moteck L3-type minifit 6-pin plug
	CB4P-SY	- Positioning feedback sensors with dual Hall effect sensors. - With Moteck H-type or V-type DIN plug
	CB5P-M	- Positioning feedback sensors with dual Hall effect sensors. - With Moteck LR-type minifit 6-pin plug
	CB4M-S, CB4M-B	- Positioning feedback sensors with dual Hall effect sensors. - With Moteck F-type DIN plug - Electrical current < 3 Amp (1200N max. thrust)

Remarks:

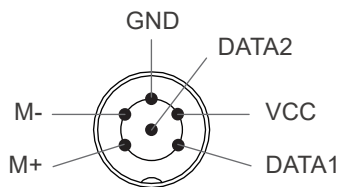
Handset compatibility depends on chosen control box.

Cable Plug

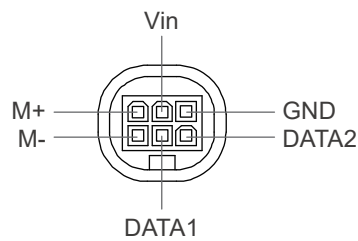
Positioning feedback sensors with dual Hall effect sensors

- Moteck F-type, H-type and V-type DIN plug

- Moteck LR-type minifit plug



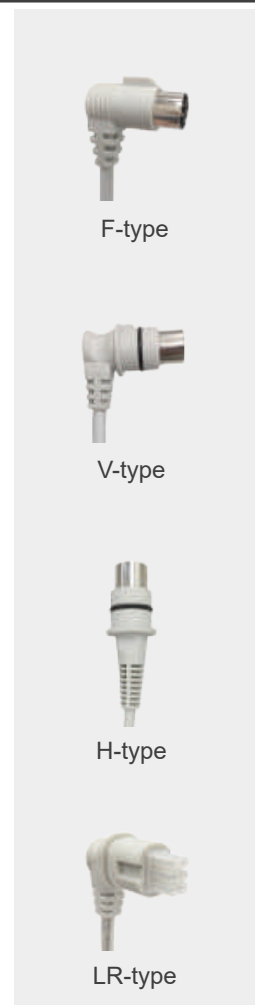
6-pin DIN plug



minifit 6-pin plug

Note:

	Definition	Comments
Power	M+	Connect M+ to "+" & M- to "-" of DC power, the actuator will extend.
	M-	
Signal	GND	
	Vin	Voltage input range (Vin): 3.5 ~ 20V
	DATA 1	Hall effect sensor resolution: 13.3 pulses/mm Output voltage of signal (DATA) = Vin Hall signal data:
	DATA 2	<p>Actuator extends</p> <p>Actuator retracts</p>



Ordering Key

	DLC2- 24 H6 - 660 . 1110 - 0 H 0 0 1
Input voltage	24: 24V DC
Motor and spindle type	H6: 3300rpm / 6mm pitch
Retracted length	XXX (Refer to Page 3)
Extended length	XXX (Refer to Page 3)
Reserved	0: No meaning
Positioning feedback	0: None H: Hall effect sensors x 2
Reserved	0: No meaning
Reserved	0: No meaning
Cable length	1: 1000mm Straight 2: 2000mm Straight 3: 450mm with 300mm coiled

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