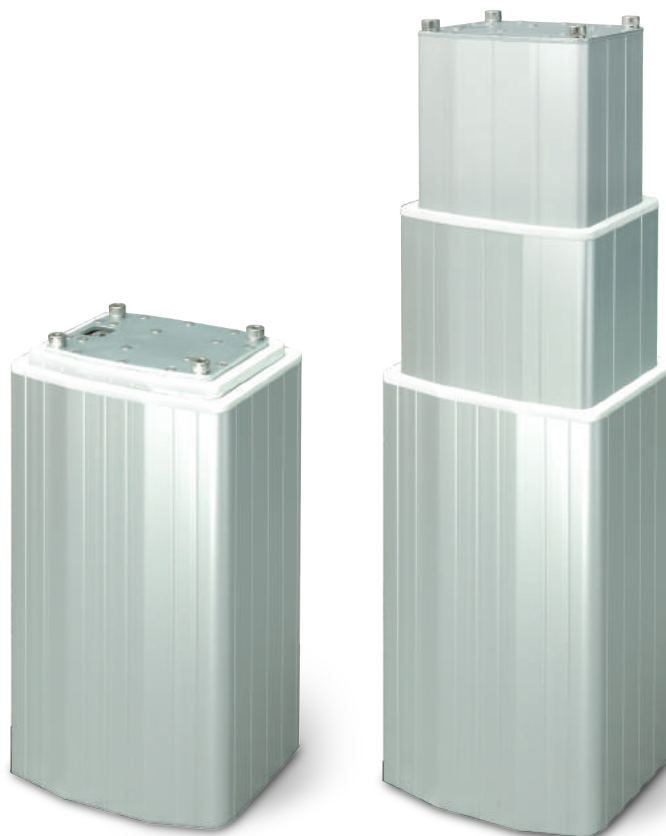


Lifting Column DLC1

DLC1 is a quiet 3-part in-line lifting column with robust design, which is applicable to dental chair, hospital bed, treatment table, lifting table, workstation...etc. DLC1 can be used as a single column or combined columns as synchronization system. The special transmission mechanism makes it move smoothly and rapidly.



Feature

- Main applications: Medical, homecare, furniture
- Input voltage: 24V DC
- Max. thrust: 2000N
- Max. static load: 3000N
- Structural anti-pull capability: 2000N
- Typical speed at no load: 10.9 mm/sec
- Typical speed at full load: 9.8 mm/sec
- Stroke: 50 ~ 400 mm
- Bending moment: 500Nm (static) / 250Nm (dynamic)
- Life cycle: More than 10,000 cycles
- Anodized aluminum body
- Detachable DC-in power cord
- Preset limit switches
- Noise level: ≤ 50 dB
- IP Protection level: IPX4
- Duty cycle: 10%, max. 1 min. continuous operation in 10 min.
- Ambient operation temperature: 0°C ~ +45°C
- Certified: CE marking, EMC Directive 93/42/EEC

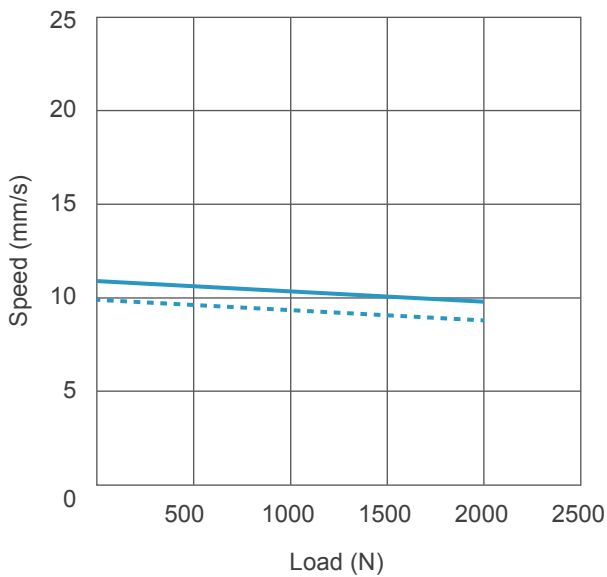
Option

- Digital positioning feedback with Hall effect sensors x 2
- IPX6 Protection level
- Cable length: 1000 / 2000 mm straight

Performance Data

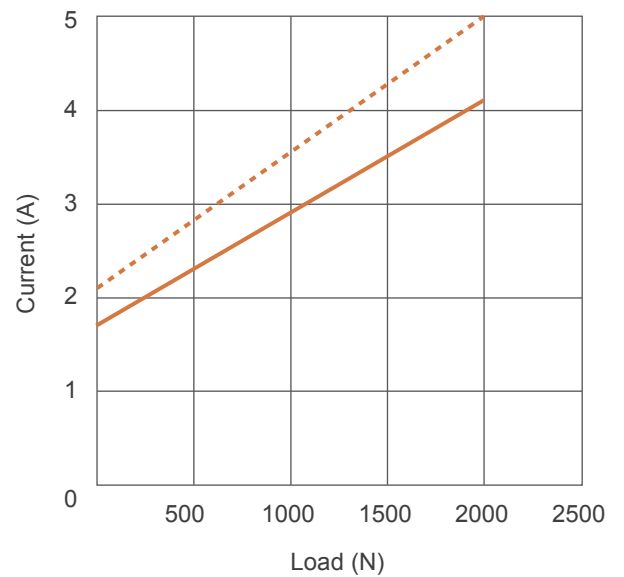
Model No.	Push Max. (N)	Typical Speed (mm/s)		Typical Current (A) @ 24V	
		No Load	Full Load	No Load	Full Load
DLC1-24RH-350.750-XXXXX	2000	10.9	9.8	1.7	4.1

Speed vs. Load



— Typical Speed - - - Min. Speed

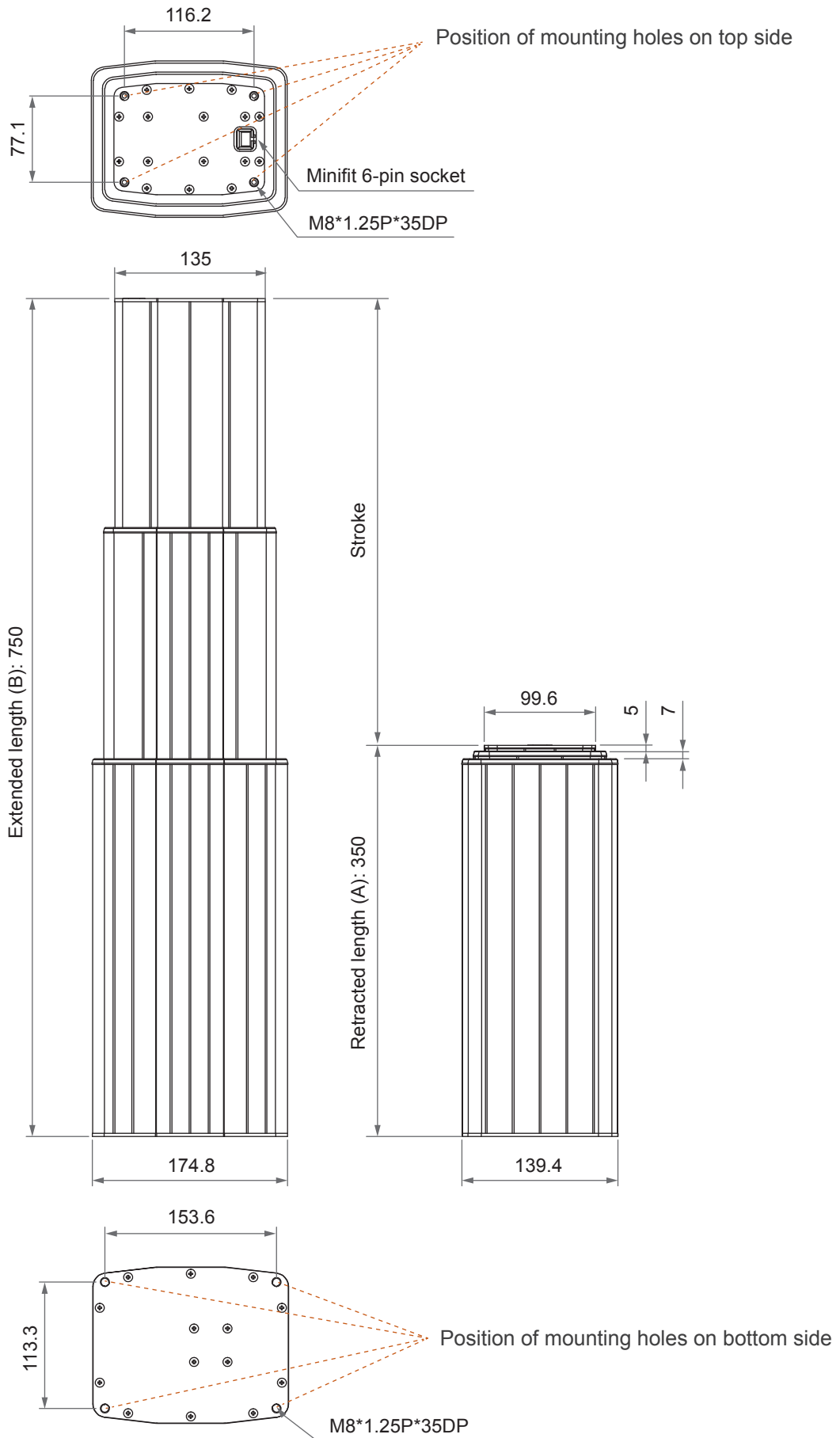
Current vs. Load



— Typical Current - - - Max. Current

Dimensions

Available stroke (S): 50 ~ 400 mm
 Retracted length (A): ≧ 350 mm
 Extended length (B): ≦ 750 mm



Compatibility

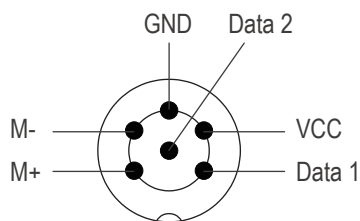
Product	Model	DLC1 spec
Control box	MD6C, CB4P	- Without positioning feedback - Moteck H-type DIN plug
	CB4P-SY	- With dual Hall effect sensors - Moteck H-type DIN plug
	MD6C-M	- With or without dual Hall effect sensors - Moteck H-type DIN plug
	CB5P-M	- With or without dual Hall effect sensors - Moteck L2-type minifit plug

Remarks:

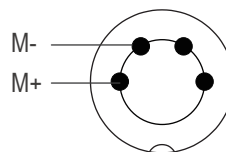
Hand control compatibility depends on chosen control box.

Cable Plug

Moteck H-type DIN plug



With dual Hall sensors positioning feedback

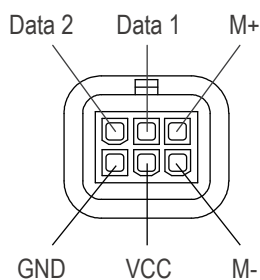


Without positioning feedback

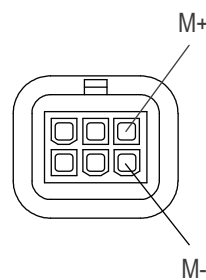


H-type

Moteck L2-type minifit 6-pin, 90° plug



With dual Hall sensors positioning feedback



Without positioning feedback



L2-type

Note:

1. Connect Pin (M+) to "+" & Pin (M-) to "-" of DC power, the actuator will extend.
2. Hall effect sensor resolution: 3.78 pulses/mm

Ordering Key

DLC1 - 24 RH - 350 . 750 - 0 H 4 0 1

Input voltage	24: 24V DC
Motor and Spindle type	RH (Refer to Performance Data)
Retracted length	XXX (Refer to Dimensions)
Extended length	XXX (Refer to Dimensions)
Reserved	0: No meaning
Positioning feedback	0: None H: Hall effect sensors x 2
IP Protection level	4: IPX4 (standard) 6: IPX6
Reserved	0: No meaning
Power cord length	1: 1000 mm Straight 2: 2000 mm Straight

Certifications

The DLC1 lifting column is compliant with the following regulations, in terms of the essential conformity requirements of MDD Directive of 93/42/EEC.

Emission	Immunity
EN 60601-1-2:2015 CISPR11:2009+A1:2010 Group 1 Class B	EN 60601-1-2:2015 IEC 61000-4-2:2008 IEC 61000-4-3:2006+A1:2007+A2:2100 IEC 61000-4-8:2009

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