

Desk Lifting Column

DKL3

DKL3 is a 3-section leg mainly used for electric height adjustable tables. Customers can put DKL3 into the legs, either in square or round shape. The compact transmission design provides quiet and quick operation. Besides, the 3-section mechanism is ideal for adjustable tables that require smaller installation lengths and longer strokes.

Features and Options

Main applications: Furniture

Standard features:

- Input voltage: 24 ~ 32V DC
- Max. push load: 1200N
- Max. speed at no load: 45 mm/sec (typical value)
- Speed at full load: 26 mm/sec (typical value @1200N loaded)
- Stroke: 650mm
- Life cycle: More than 10,000 cycle under full load
- Positioning feedback with dual Hall effect sensors
- Indoor use only
- Noise level: ≤ 50 dB
- Duty cycle: 10%, max. 1 min. continuous operation in 10 min.
- Certified: CE Marking, EMC Directive 2014/30/EU, UL 962 Standard for Household and Commercial Furnishings.

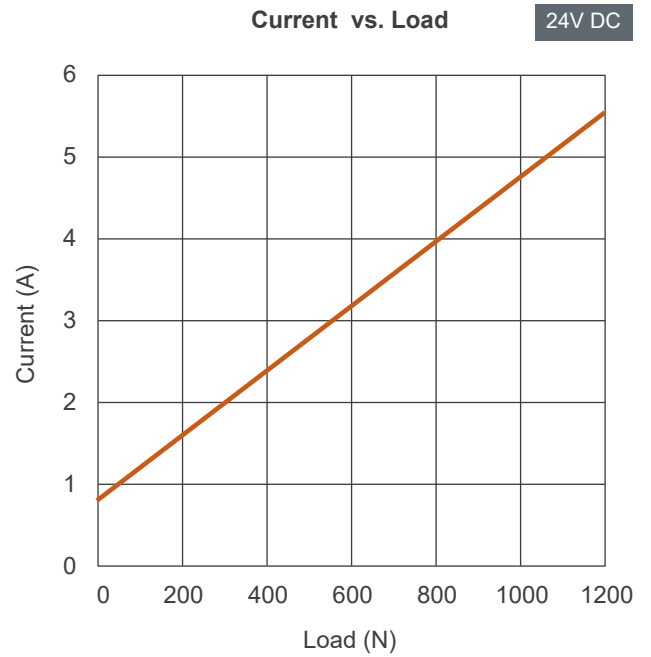
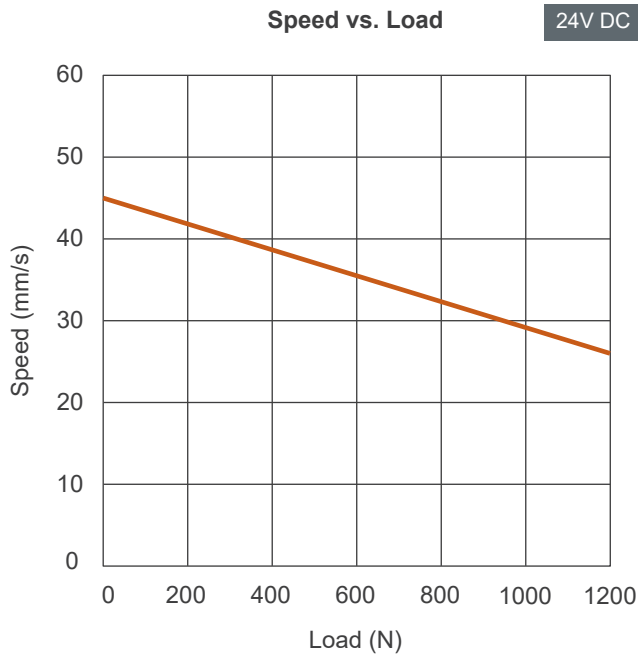
Options:

- Power cord length: 1200, 2000mm



Performance Data

Input	Max. Push load (N)	** Typical Speed (mm/s)		** Typical Current (A)	
		No load	Full load	No load	Full load
24V DC power supply	1200	45	26	0.8	5.5
CF11D(32V) control box	* 800 / 1200	28 ~ 30			



Remarks:

* When 2 pcs DKL3 are integrated into an adjustable desk with CF11D control box, the max. lifting capability is 800N when the load is put at one side (Fig. 1), and is 1200N when the load is put at the center (Fig. 2).

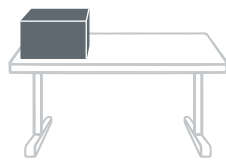


Fig. 1

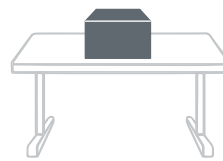


Fig. 2

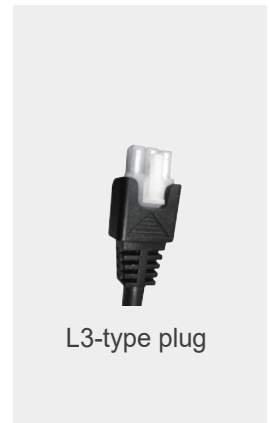
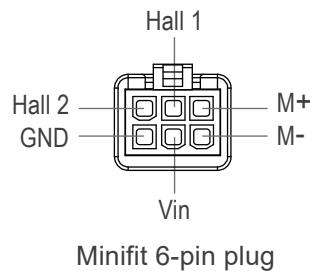
** The typical speed or typical current means the average value neither upper limit nor lower limit. The performance curves are made with typical values.

Compatibility

Product	Model	DKL3 spec
Control box	CF11D	With Moteck L3-type minifit 6-pin plug

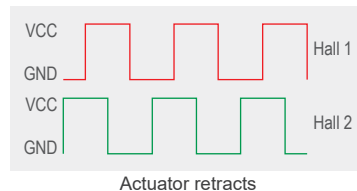
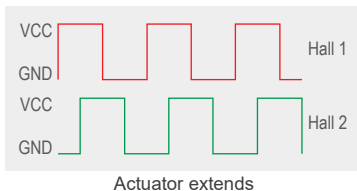
Cable Plug

With Moetck L3-type plug



Note:

1. Connect M+ to "Vdc +" & M- to "Vdc -" of DC power to extend the actuator.
Switch the polarity of DC input to retract it.
2. Hall effect sensor resolution: 1.25 pulses/mm
3. Hall signal data:



Certifications

The DKL3 actuator is compliant with the following regulations, in terms of the essential conformity requirements of EMC Directive of 2014/30/EU.

Emission	Immunity
EN 55014-1:2006+A1:2009+A2:2011	EN 55014-2:1997+A1:2001+A2+:2008 Category I

Ordering Key

DKL3 - 24 H6 - 553 - 1203 - 0 H 0 1

Input voltage	24: 24V DC
Motor and Spindle type	H6: 3500rpm / 6mm pitch
Retracted length	553: 553mm (Refer to Page 3)
Extended length	1203: 1203mm (Refer to Page 3)
Reserved	0: No meaning
Positioning feedback	H: Hall effect sensors x 2
Reserved	0: No meaning
Power cord length	1: 1200mm Straight 2: 2000mm Straight

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