

TECHNICAL SPECIFICATIONS

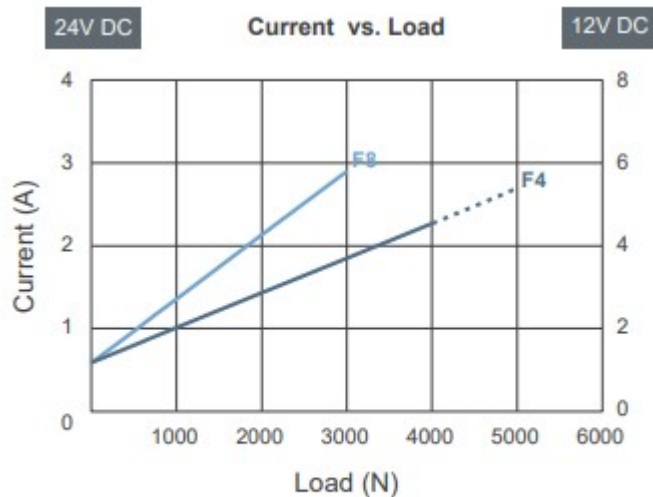
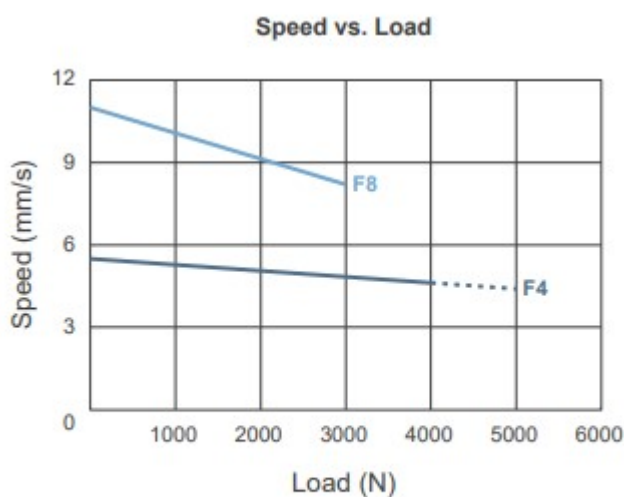
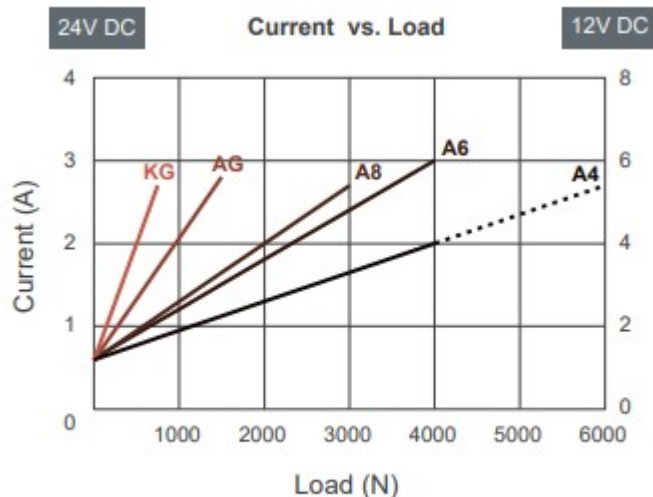
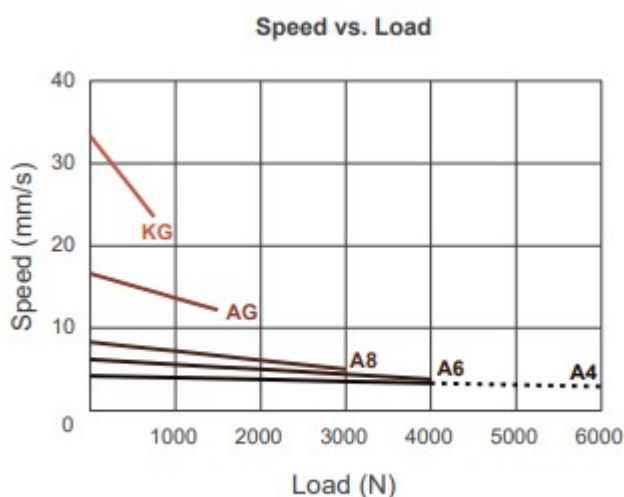
Motor type	24 Volts DC or 12 Volts DC
Maximum strength	-Push : 6000 N -Pull : 4000 N
Speed	-Typical speed at no load : 33.3mm/sec -Typical speed at full load : 2.9 mm/sec
Stroke	-Standard : 100 ~ 1 000m -Preset limit switches
Control box compatibility	-TB / BCS1 / BCS2 / BC3T / BC4M / TES1 / TES2
Noise level	≤53 dB
Color	Black
Duty cycle	10% (2min continuous operation in 20min)
Operating temperatures	-20° to +65°
Duty cycle	10% (2 mn operation / 18 mn rest)

Options :

Positioning signal feedback	1 or 2 Hall effect sensors
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PERFORMANCES

Model	Push max. (N)	Pull max. (N)	*Self-locking ability (N)	**Typical speed (mm/s)		**Typical current (A)			
				No load	Full load	No load		Full load	
						12V	24V	12V	24V
V61-XX-A4	6 000	4 000	5 000	4.2	2.9	0.8	0.6	5.4	2.7
V61-XX-A6	4 000	4 000	2 500	6.2	3.8	0.4	0.6	6.0	3.0
V61-XX-A8	3 000	3 000	2 000	8.3	5.0	0.6	0.6	5.4	2.7
V61-XX-AG	1 500	1 500	700	16.6	12.2	0.4	0.6	5.6	2.8
V61-XX-KG	750	750	0	33.3	23.5	0.4	0.6	5.2	2.7
V61-XX-F4	5 000	4 000	5 000	5.5	4.4	0.8	0.6	5.6	2.8
V61-XX-F8	3 000	3 000	2 000	11.0	8.2	1.0	0.6	5.8	2.9



Push / Pull Load — Push Load - - -

Remarks:

*The self-locking ability is performed by short circuit the motor terminals when the actuator is powered off. All MOTECK compatible control boxes are designed with this feature. Mechanical brake in push direction is available upon request, to further enhance the self-locking ability to maximum load.

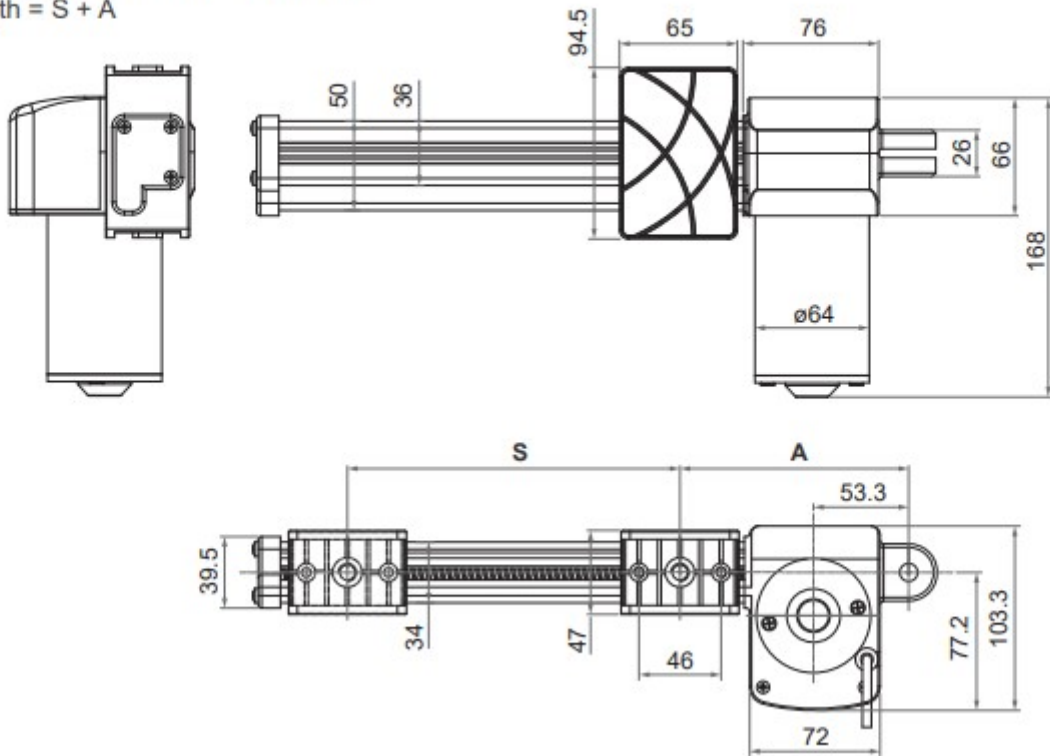
**The typical speed or typical current means the average value neither upper limit nor lower limit. The performance curves are made with typical values.

DIMENSIONS

Installation dimension

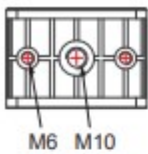
Unit: mm

- Retracted length (A) = 127 mm Min.
- Available stroke (S) range = 100 ~ 1000 mm
- Extended length = S + A



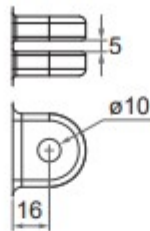
• Front connector

1: Plastic nut

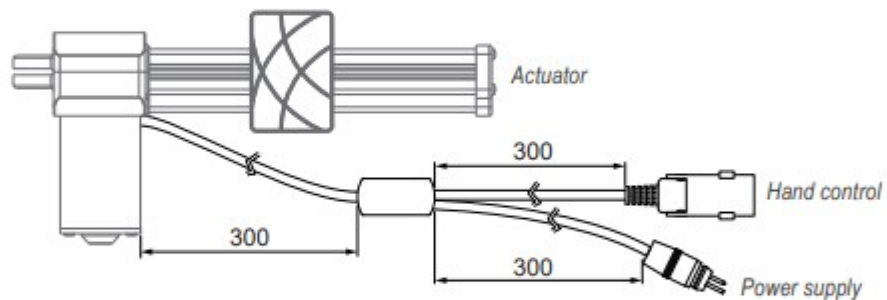


• Rear connector

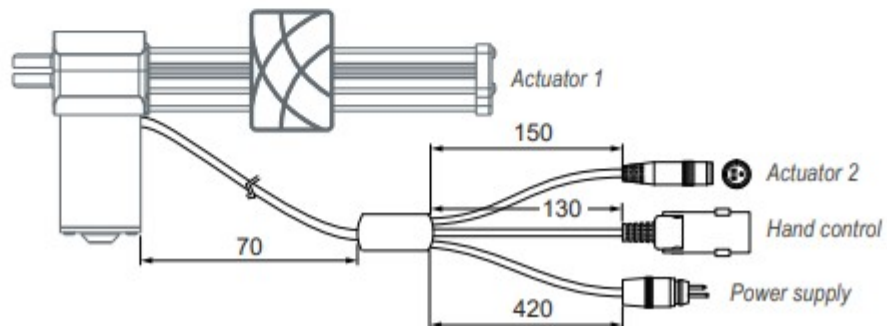
1: Plastic



Direct-Cut cable DL2



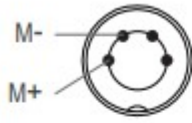
Direct-Cut cable TL2



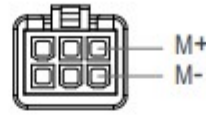
CABLE SPECIFICATIONS

With F-type or L3-type plug (required to be connected to the control box):

- Without Hall effect sensor



F-type 4-pin DIN plug

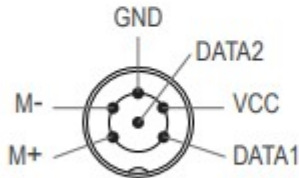


L3-type Minifit 6-pin plug

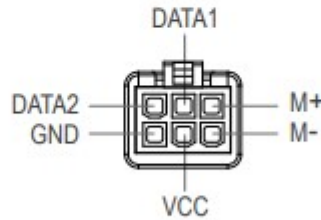


F-type

- With dual Hall effect sensors



F-type 6-pin DIN plug



L3-type Minifit 6-pin plug



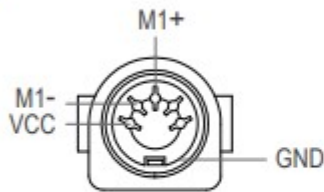
L3-type

Note: Connect Pin (M+) to "+" & Pin (M-) to "-" of DC power, the actuator will extend.

With Direct-Cut cable DL2 or TL2 (NOT required to be connected to any control box):

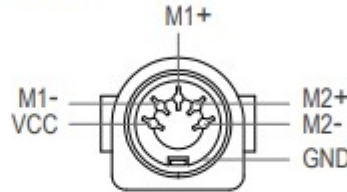
- Hand control connector: with Moteck U-type female connector

1 drive



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

2 drives



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



U-type

Note: Connect pin (M1+) to "+" & pin (M1-) to "-" of DC power, the M1 actuator will extend. Definition of M2 actuator is the same.

- Power plug: with Moteck R-type male plug



DIN 41529 plug



R-type

- Connector for 2nd actuator: with Moteck R-type female connector (for TL2 only)



DIN 41529 connector



R-type