

GENERAL CATALOGUE



Motorize Our World · Lift Up Your Life

MOTECK®



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Drawing on a heritage of more than 20 years in designing and producing reliable electromotive drive and control system, Moteck® products and solutions are comprehensively adopted by well-known customers worldwide. Started business in Satellite TV Antenna Motorization, we have been successfully expanding our business to market sectors in medical, homecare, furniture, industrial automation, mobility off highway, solar tracker, and gate opener.

The quality management system with ISO 9001 certified is solid executed for the whole organization. All products are tested and certified by international standards, CE, UL, PSE and RoHS, according to different countries and industrial requirements. With strong capability of manufacturing, product development and system integration, we can meet specific customization needs. Now we are strategic partner of many customers in US, Europe, Japan, and China, to design whole electromotive drive system for their products.



Advantage

- Satisfied Quality to Price Ratio
- High Creativity and Flexibility
- Customization Available for Diversified Specification
- Harmonious Integration of Electronic and Mechanical Engineering
- Professional Global Operations
- Manufacturing Capabilities with Large Scale Capacity

Location

Head Office: Taipei, Taiwan

Factory: Taoyuan, Taiwan & Suzhou, China



Taipei, Taiwan



Taoyuan, Taiwan



Suzhou, China



Application

Our products can be used in one or multiple application sectors. We offer linear actuator, control box, hand control, and accessory, or a complete kit solution for each application. In this catalogue, you can easily find the application sectors that each product is mainly designed for by referring its icons. Below is describing the icon representing for each application sector and its typical examples.



Furniture

The icon indicates products designed for furniture applications with improving ergonomics or comforts such as adjustable home living bed, electric sofa, lifting table/desk and recliner. Our system can be controlled by mobile phone application.



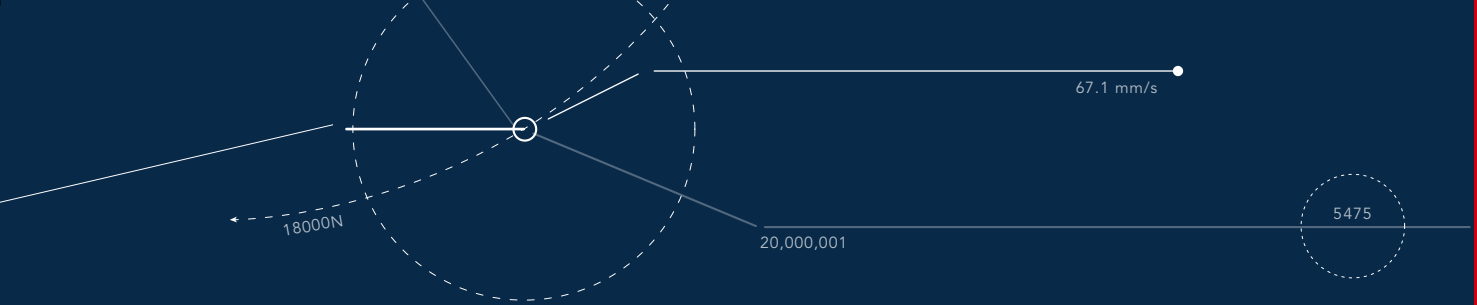
Homecare

The icon indicates products designed for homecare applications helping elder or disable people who requires aids to perform their living activities, such as get-up chair, nursing bed, shower bed and shower chair.



Medical

The icon indicates products designed for medical applications such as hospital bed, patient lift/hoist, dental chair, operation table, rehabilitation bed, therapy table, and examination table. Our products are EN60601 certified and can drive up to 12,000N. Manual release with own patent listed is available for emergency use.



Gate Opener

The icon indicates products designed for gate and window opener. Our products are well designed as a complete kit for end consumers to install easily by themselves. They can be used in automatic swing gate, sliding gate, garage door and swing shutter.



Industrial Automation

The icon indicates products designed for industrial automation such as manufacturing machinery, process control equipment, conveyor system, skylight opener...etc. Both ball screw and ACME drive are available for customer to choose.



Mobile Off Highway

The icon indicates products designed for Mobile Off Highway applications and will be used in harsh conditions such as recreational vehicle, agricultural machinery, construction machinery, fork lift and wheelchair lift van.



Solar Tracker

The icon indicates products designed for solar tracking systems. Our products are qualified by strict reliability standard required in solar application and can drive up to 18,000N. They can be applied to solar tracker from residential scale to mega scale power plant.

Actuator

FD20



Input: 24V DC
Max. Push Load: 2000N
Max. Pull Load: 2000N
Max. Speed at No Load: 33.3mm/s
Stroke: 50~250mm
Duty Cycle: 10%

IP Level: IP42
Min. Installation Dimension: 135mm+Stroke
Certificate: CE, EMC Directive 2004/108/EC
Preset limit switches
Option: Hall effect sensor
 Mechanical brake
 With special cable to work without control box



Model No.	Max. Push/Pull (N)	Self-locking ability (N)	Speed (mm/s)		Current (A)@ 24V	
			No load	Full load	No load	Full load
FD20-24-A3-XXX.XXX-CXX-XXX	2000	2000	4.3	3.3	0.3	1.2
FD20-24-A4-XXX.XXX-CXX-XXX	2000	2000	5.6	4.0	0.3	1.5
FD20-24-A6-XXX.XXX-CXX-XXX	2000	1500	8.3	5.3	0.3	2.3
FD20-24-K3-XXX.XXX-CXX-XXX	2000	2000	8.3	4.7	0.4	1.8
FD20-24-K4-XXX.XXX-CXX-XXX	2000	1000	11.1	5.6	0.4	2.2
FD20-24-A8-XXX.XXX-CXX-XXX	2000	1000	11.1	6.2	0.3	2.3
FD20-24-K6-XXX.XXX-CXX-XXX	1500	500	16.6	7.2	0.4	2.35
FD20-24-K8-XXX.XXX-CXX-XXX	1500	0	22.2	11.5	0.4	2.35
FD20-24-AC-XXX.XXX-CXX-XXX	1500	500	16.6	8.7	0.3	2.3
FD20-24-KC-XXX.XXX-CXX-XXX	500	0	33.3	21	0.3	1.55

FD40



Input: 24V DC
Max. Push Load: 4000N
Max. Pull Load: 4000N
Max. Speed at No Load: 30.2mm/s
Stroke: 50~400mm
Duty Cycle: 10%

IP Level: IP42
Min. Installation Dimension: 110mm+Stroke
Preset limit switches
Option: Hall effect sensor
 Push only
 PTC thermistor
 With special cable to work without control box



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V	
			No load	Full load	No load	Full load
FD40-XXDF3-XXX.XXX-XXXXX0X	2000	2000	5.9	3.9	0.2	1.5
FD40-XXDF4-XXX.XXX-XXXXX0X	2000	2000	7.7	5.2	0.3	1.6
FD40-XXDF6-XXX.XXX-XXXXX0X	2000	2000	11.9	6.0	0.2	2.3
FD40-XXDF8-XXX.XXX-XXXXX0X	2000	2000	15.5	8.4	0.3	2.1
FD40-XXDH8-XXX.XXX-XXXXX0X	2000	2000	30.2	13.0	0.4	2.5
FD40-XXEF4-XXX.XXX-XXXXX0X	4000	4000	8.4	4.0	0.2	3.1
FD40-XXEF6-XXX.XXX-XXXXX0X	3000	3000	11.9	6.3	0.2	3.0
FD40-XXEF8-XXX.XXX-XXXXX0X	2500	2500	15.9	8.1	0.3	3.1
FD40-XXEH8-XXX.XXX-XXXXX0X	1500	1500	30.3	14.3	0.4	3.4

FD60

Input: 12 / 24V DC
Max. Push Load: 6000N
Max. Pull Load: 4000N
Max. Speed at No Load: 33.3mm/s
Stroke: 50~300mm
Duty Cycle: 10%

IP Level: IP42
Min. Installation Dimension: 160mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU
Preset limit switches
Option: Hall effect sensor
 Mechanical brake
 With special cable to work without control box
 Push only
 Safety nut



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Speed (mm/s)		Current (A)			
				No load	Full load	No load		Full load	
						12V	24V	12V	24V
FD60-XX-F3-XXX.XXX	6000	4000	6000	4.1	2.8	1.2	0.6	5.2	2.6
FD60-XX-A4-XXX.XXX	6000	4000	5000	4.2	2.9	0.8	0.6	5.4	2.7
FD60-XX-F4-XXX.XXX	5000	4000	5000	5.5	4.4	0.8	0.6	5.6	2.8
FD60-XX-A6-XXX.XXX	4000	4000	2500	6.2	3.8	0.4	0.6	6.0	3.0
FD60-XX-F6-XXX.XXX	3000	3000	2500	8.2	6.6	1.0	0.6	5.6	2.8
FD60-XX-A8-XXX.XXX	3000	3000	2000	8.3	5.0	0.6	0.6	5.4	2.7
FD60-XX-F8-XXX.XXX	3000	3000	2000	11.0	8.2	1.0	0.6	5.8	2.9
FD60-XX-AG-XXX.XXX	1500	1500	700	16.6	12.2	0.4	0.6	5.6	2.8
FD60-XX-KG-XXX.XXX	750	750	0	33.3	23.5	0.4	0.6	5.2	2.7

FD61

Input: 12 / 24V DC
Max. Push Load: 6000N
Max. Pull Load: 4000N
Max. Speed at No Load: 33.3mm/s
Stroke: 50~300mm
Duty Cycle: 10%

IP Level: IP42
Min. Installation Dimension: 150mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU
Preset limit switches
Option: Hall effect sensor
 Mechanical brake
 With special cable to work without control box
 Push only



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Speed (mm/s)		Current (A)			
				No load	Full load	No load		Full load	
						12V	24V	12V	24V
FD61-XX-A4-XXX.XXX	6000	4000	5000	4.2	2.9	0.8	0.4	5.4	2.7
FD61-XX-A6-XXX.XXX	4000	4000	2500	6.2	3.8	0.4	0.4	6.0	3.0
FD61-XX-A8-XXX.XXX	3000	3000	2000	8.3	5.0	0.6	0.4	5.4	2.7
FD61-XX-AG-XXX.XXX	1500	1500	700	16.6	12.3	0.4	0.4	5.6	2.8
FD61-XX-KG-XXX.XXX	750	750	0	33.3	23.5	0.4	0.4	5.2	2.7

Actuator

GD70



Input: 24V DC
Max. Push Load: 7000N
Max. Pull Load: 5000N
Max. Speed at No Load: 7.7mm/s
Stroke: 50~300mm
Duty Cycle: 10%

IP Level: IP43
Min. Installation Dimension: 150mm+Stroke
Preset limit switches
Option: Hall effect sensor
 Push only



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V	
			No load	Full load	No load	Full load
GD70-24-A4-XXX.XXX-CXX-XXX	7000	5000	3.9	2.9	0.3	2.8
GD70-24-A6-XXX.XXX-CXX-XXX	5000	4000	5.8	4.2	0.3	2.8
GD70-24-A8-XXX.XXX-CXX-XXX	4000	3500	7.7	5.7	0.3	3.2

PD10



Input: 24V DC
Max. Push Load: 1000N
Max. Pull Load: 1000N
Max. Speed at No Load: 18.0mm/s
Stroke: 35~50mm
Duty Cycle: 10%

Min. Installation Dimension: 145mm+Stroke
Preset limit switches
Option: Hall effect sensor



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)@ 24VDC	
		No load	Full load	No load	Full load
PD10-24-F4-XXX.XXX-XXX	1000	6.4	2.6	0.6	2.1
PD10-24-F8-XXX.XXX-XXX	500	16.2	5.3	0.6	2

BD20

Input: 24V DC
Max. Push Load: 1500N
Max. Pull Load: 1000N
Max. Speed at No Load: 48.0mm/s
Stroke: 40~295mm
Duty Cycle: 10%

Retracted Length: 178mm
Certificate: CE, EMC Directive 2014/30/EU
Preset limit switches
With special cable to work without control box
Option: Cable outlet from front or rear end



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V	
			No load	Full load	No load	Full load
BD20-24-N4-XXX.XXX	1500	1000	25	23	0.6	2.3

BD21

Input: 24V DC
Max. Push Load: 1500N
Max. Pull Load: 1500N
Max. Speed at No Load: 55.0mm/s
Stroke: 333mm
Duty Cycle: 10%

Retracted Length: 130mm
Certificate: CE, EMC Directive 2014/30/EU, UL
Preset limit switches
With special cable to work without control box



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)	
		No load	Full load	No load	Full load
BD21	1500	52	42	0.5	2.5

Actuator

BD23



Input: 24V DC
Max. Push Load: 1500N
Max. Pull Load: 1000N
Max. Speed at No Load: 25mm/s
Stroke: 40~230mm
Duty Cycle: 10%

Retracted Length: 133mm
Certificate: CE, EMC Directive 2014/30/EU
Preset limit switches
With special cable to work without control box
Option: Cable outlet from front or rear end



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)	
			No load	Full load	No load	Full load
BD23-XX-N4-XXX.XXX-XX-XX	1500	1000	25	23	0.6	2.3

BD60



Input: 12 / 24V DC
Max. Push Load: 6000N
Max. Pull Load: 4000N
Max. Speed at No Load: 33.3mm/s
Stroke: 100~1000mm
Duty Cycle: 10%

IP Level: IP42
Retracted Length: 135mm
Certificate: CE, EMC Directive 2014/30/EU
Adjustable limit switches
Option: Hall effect sensor
With special cable to work without control box



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Speed (mm/s)		Current (A)			
				No load	Full load	No load		Full load	
						12V	24V	12V	24V
BD60-XX-F3-XXX.XXX...	6000	4000	6000	4.1	2.8	1.2	0.6	5.2	2.6
BD60-XX-A4-XXX.XXX...	6000	4000	5000	4.2	2.9	0.8	0.6	5.4	2.7
BD60-XX-F4-XXX.XXX...	5000	4000	5000	5.5	4.4	0.8	0.6	5.6	2.8
BD60-XX-A6-XXX.XXX...	4000	4000	2500	6.2	3.8	0.4	0.6	6.0	3.0
BD60-XX-F6-XXX.XXX...	3000	3000	2500	8.2	6.6	1.0	0.6	5.6	2.8
BD60-XX-A8-XXX.XXX...	3000	3000	2000	8.3	5.0	0.6	0.6	5.4	2.7
BD60-XX-F8-XXX.XXX...	3000	3000	2000	11.0	8.2	1.0	0.6	5.8	2.9
BD60-XX-AG-XXX.XXX...	1500	1500	700	16.6	12.2	0.4	0.6	5.6	2.8
BD60-XX-KG-XXX.XXX...	750	750	0	33.3	23.5	0.4	0.6	5.2	2.7

Please refer to the product data sheet for the definition of Model No.

BD61

Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 33.3mm/s
 Stroke: 100~1000mm
 Duty Cycle: 10%

IP Level: IP20
 Retracted Length: 127mm
 Certificate: CE, EMC Directive 2014/30/EU
 Adjustable limit switches
 Option: Hall effect sensor
 Mechanical brake
 With special cable to work without control box

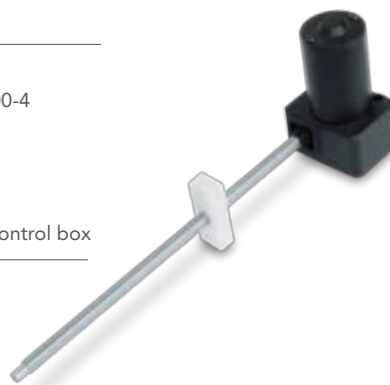


Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Speed (mm/s)		Current (A)			
				No load	Full load	No load		Full load	
						12V	24V	12V	24V
BD61-XX-F3-XXX.XXX...	6000	4000	6000	4.1	2.8	1.2	0.6	5.2	2.6
BD61-XX-A4-XXX.XXX...	6000	4000	5000	4.2	2.9	1.2	0.6	5.4	2.7
BD61-XX-F4-XXX.XXX...	5000	4000	5000	5.5	4.4	1.2	0.6	5.6	2.8
BD61-XX-A6-XXX.XXX...	4000	4000	2500	6.2	3.8	1.2	0.6	6.0	3.0
BD61-XX-F6-XXX.XXX...	3000	3000	2500	8.2	6.6	1.2	0.6	5.6	2.8
BD61-XX-A8-XXX.XXX...	3000	3000	2000	8.3	5.0	1.2	0.6	5.4	2.7
BD61-XX-F8-XXX.XXX...	3000	3000	2000	11.0	8.2	1.2	0.6	5.8	2.9
BD61-XX-AG-XXX.XXX...	1500	1500	700	16.6	12.2	1.2	0.6	5.6	2.8
BD61-XX-KG-XXX.XXX...	750	750	0	33.3	23.5	1.2	0.6	5.2	2.7

BDN60

Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 33.3mm/s
 Stroke: 100~1000mm
 Duty Cycle: 10%

Retracted Length: 110mm
 Certificate: EN61000-6, EN61000-4, IEC61000-4
 Adjustable limit switches
 Without outer tube
 Option: Hall effect sensor
 Mechanical brake
 With special cable to work without control box



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Speed (mm/s)		Current (A)			
				No load	Full load	No load		Full load	
						12V	24V	12V	24V
BDN60-XX-F3-XXX.XXX...	6000	4000	6000	4.1	2.8	1.2	0.6	5.2	2.6
BDN60-XX-A4-XXX.XXX...	6000	4000	5000	4.2	2.9	1.2	0.6	5.4	2.7
BDN60-XX-F4-XXX.XXX...	5000	4000	5000	5.5	4.4	1.2	0.6	5.6	2.8
BDN60-XX-A6-XXX.XXX...	4000	4000	2500	6.2	3.8	1.2	0.6	6.0	3.0
BDN60-XX-F6-XXX.XXX...	3000	3000	2500	8.2	6.6	1.2	0.6	5.6	2.8
BDN60-XX-A8-XXX.XXX...	3000	3000	2000	8.3	5.0	1.2	0.6	5.4	2.7
BDN60-XX-F8-XXX.XXX...	3000	3000	2000	11.0	8.2	1.2	0.6	5.8	2.9
BDN60-XX-AG-XXX.XXX...	1500	1500	700	16.6	12.2	1.2	0.6	5.6	2.8
BDN60-XX-KG-XXX.XXX...	750	750	0	33.3	23.5	1.2	0.6	5.2	2.7

Actuator

LD10



Input: 12 / 24V DC
Max. Push Load: 1000N
Max. Pull Load: 1000N
Max. Speed at No Load: 18.0mm/s
Stroke: 50~300mm
Duty Cycle: 10%

IP Level: IPX4
Min. Installation Dimension: 256mm+Stroke
Preset limit switches



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
LD10-XX-A4-16-XXX.XXX-CXX	1000	1000	8	6	4.2	3.1	5.4	3.8
LD10-XX-A6-16-XXX.XXX-CXX	1000	1000	9	6.5	4.3	3.1	5.3	3.7
LD10-XX-A8-16-XXX.XXX-CXX	800	800	13	7.5	4.2	3.1	5.2	3.6
LD10-XX-AC-16-XXX.XXX-CXX	500	500	18	12	4.3	3.1	4.9	3.4

LD12



Input: 24V DC
Max. Push Load: 1500N
Max. Pull Load: 1500N
Max. Speed at No Load: 17.4mm/s
Stroke: 50~400mm
Duty Cycle: 10%

IP Level: IP66 / IP69K
Min. Installation Dimension: 187mm+Stroke
Dual hall effect sensor
Made of stainless steel SUS304



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)	
			No load	Full load	No load	Full load
					12V	24V
LD12-2419-XXXX.XXX	600	600	17.4	11.7	0.3	2.0
LD12-2427-XXXX.XXX	1000	1000	12.3	8.0	0.3	2.0
LD12-2443-XXXX.XXX	1500	1500	7.5	5.0	0.3	2.0

LD2

Input: 24V DC
 Max. Push Load: 800N
 Max. Pull Load: 800N
 Max. Speed at No Load: 18.0mm/s
 Stroke: 50~300mm
 Duty Cycle: 10%

IP Level: IP43 / IP54
 Min. Installation Dimension: 109mm+Stroke
 Certificate: CE, EMC Directive 2004/108/EC
 Operating Temperature: -25~+65
 Preset limit switches
 Option: Clamp
 Mounting bracket



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)	
		No load	Full load	24V	
				No load	Full load
LD2-XX-30-E6-XXX-CXX-XXXX	800	9.3	6.5	0.13	0.8
LD2-XX-30-K3-XXX-CXX-XXXX	800	9.2	8.0	0.27	1.2
LD2-XX-30-K6-XXX-CXX-XXXX	800	18.0	14.1	0.4	1.6

LD3

Input: 12 / 24V DC
 Max. Push Load: 1000N
 Max. Pull Load: 1000N
 Max. Speed at No Load: 44.0mm/s
 Stroke: 50~300mm
 Duty Cycle: 25%

IP Level: IP54 / IP65
 Min. Installation Dimension: 108mm+Stroke
 Certificate: CE, EMC Directive 2004/108/EC
 Operating Temperature: -25~+65
 Preset limit switches
 Option: Hall effect sensor / potentiometer
 Clamp
 Mounting bracket
 Quiet version (LD3Q)



WITH HALL EFFECT SENSOR



WITH POTENTIOMETER

Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)			
		No load	Full load	No load		Full load	
				12V	24V	12V	24V
LD3-XX-05-(E6/K3)-XXX	150	43.9	40.0	0.8	0.4	2.0	1.0
LD3-XX-10-(E6/K3)-XXX	250	27.6	26.0	0.8	0.4	2.4	1.2
LD3-XX-20-(E6/K3)-XXX	500	14.6	13.5	0.8	0.4	2.6	1.3
LD3-XX-30-(E6/K3)-XXX	800	9.5	9.1	0.8	0.4	2.9	1.5
LD3-XX-40-(E6/K3)-XXX	1000	7.0	6.5	0.8	0.4	2.8	1.4
LD3Q-XX-20-D3-XXX	500	5.8	3.9	0.2	0.1	1.0	0.5
LD3Q-XX-30-D3-XXX	800	3.8	2.6	0.2	0.1	1.2	0.6

Actuator

LD20



Input: 12 / 24V DC
Max. Push Load: 2500N
Max. Pull Load: 2500N
Max. Speed at No Load: 27.0mm/s
Stroke: 100~300mm
Duty Cycle: 25%

IP Level: IP65
Min. Installation Dimension: 105mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU
Operating Temperature: -25~+65
Preset limit switches
Option: Hall effect sensor / potentiometer
 Mounting bracket



Model No.	Gear Ratio	Max. Push /Pull Load (N)	Speed (mm/s)				Current (A)			
			No load		Full load		No load		Full load	
			12V	24V	12V	24V	12V	24V	12V	24V
LD20-XX-10-G4-X	10:1	500	26.8	27.0	18.6	18.7	1.3	0.6	4.4	2.4
LD20-XX-20-G4-X	20:1	1000	14.7	15.1	10.4	10.7	1.1	0.5	4.6	2.3
LD20-XX-30-G4-X	30:1	1500	9.9	10.3	6.8	7.2	1.0	0.6	4.3	2.3
LD20-XX-40-G4-X	40:1	2000	7.4	7.6	5.1	5.7	1.0	0.6	4.5	2.0
LD20-XX-50-G4-X	50:1	2500	6.2	6.1	4.4	4.4	0.9	0.5	4.1	2.2

LD36



Input: 12 / 24V DC
Max. Push Load: 1200N
Max. Pull Load: 1200N
Max. Speed at No Load: 44.0mm/s
Stroke: 50~300mm
Duty Cycle: 20%

IP Level: IP66 / IP69K
Min. Installation Dimension: 108mm+Stroke
Operating Temperature: -10~+40
Preset limit switches
Option: Mounting bracket



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)			
		No load	Full load	No load		Full load	
		12V	24V	12V	24V	12V	24V
LD36-XX-05-XXX.XXX-XX0X	150	43.9	36.5	1.3	0.6	2.7	1.6
LD36-XX-10-XXX.XXX-XX0X	250	27.6	23.5	1.3	0.6	2.7	1.6
LD36-XX-20-XXX.XXX-XX0X	500	14.6	12.5	1.3	0.6	3.1	1.6
LD36-XX-30-XXX.XXX-XX0X	800	9.5	7.5	1.3	0.6	3.3	1.6
LD36-XX-40-XXX.XXX-XX0X	1000	7.0	5.5	1.3	0.6	3.3	1.4

LD40**Input:** 12 / 24V DC**Max. Push Load:** 3000N(ACME)
4000N(Ball Screw)**Max. Pull Load:** 3000N(ACME)
4000N(Ball Screw)**Max. Speed at No Load:** 20.5mm/s**Stroke:** 100~400mm**Duty Cycle:** 10%**IP Level:** IP54**Min. Installation Dimension:** 153mm+Stroke**Certificate:** CE, EMC Directive 2014/30/EU**Operating Temperature:** -25~+65**ACME type or ball screw type****Overload protection by clutch****Stainless steel extension tube****Option:** Anodize black or Aluminum gray outer tube

External adjustable reed sensor

Motor orientation



Model No.	Gear Ratio	Max. Push/ Pull Load (N)	Speed (mm/s)		Current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
LD40-XX-25F4B-XXX.XXX-11-XXXXX	25:1	4000	10.5	8	2	1	10.5	5.3
LD40-XX-12F4B-XXX.XXX-11-XXXXX	12.5:1	2000	20.5	16.3	1.9	1	11.3	5.6
LD40-XX-25F4A-XXX.XXX-11-XXXXX	25:1	3000	9.5	6.2	2.5	1.3	15.5	7.3

LD60**Input:** 24V DC**Max. Push Load:** 6000N**Max. Pull Load:** 6000N**Max. Speed at No Load:** 8.4mm/s**Stroke:** 100~400mm**Duty Cycle:** 10%**Min. Installation Dimension:** 190mm+Stroke**Operating Temperature:** -10~+60**Preset cam type limit switches****Option:** Color

Without inner and outer tubes

ALUMINUM
ALLOYANODIZE
BLACKWITHOUT
INNER&OUTER TUBES

Model No.	Max. Push Load (N)	Max. Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)@ 24V	
			No load	Full load	No load	Full load
LD60-24K4-XXX.XXX-XX00X	6000	6000	5.5	3.9	0.4	5.1
LD60-24K6-XXX.XXX-XX00X	6000	6000	8.4	4.9	0.6	7.0

Actuator

MD21



Input: 24V DC
Max. Push Load: 2000N
Max. Pull Load: 2000N
Max. Speed at No Load: 18.8mm/s
Stroke: 100~400mm
Duty Cycle: 10%

IP Level: IPX5
Min. Installation Dimension: 135mm+Stroke
Certificate: CE, EMC Directive 93/42/EEC and 2014/30/EU
Preset limit switches
Option: Hall effect sensor



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A) @ 24VDC	
		No load	Full load	No load	Full load
MD21-24H3-XXX.XXX-XXX00XX	2000	4.5	2.3	0.3	1.4
MD21-24W3-XXX.XXX-XXX00XX	2000	7.1	5.1	0.2	1.9
MD21-24W6-XXX.XXX-XXX00XX	1500	14.0	9.3	0.3	2.3
MD21-24W8-XXX.XXX-XXX00XX	1500	18.8	11.9	0.2	2.5

MD30



Input: 24V DC
Max. Push Load: 3000N
Max. Pull Load: 3000N
Max. Speed at No Load: 8.9mm/s
Duty Cycle: 10%



MD50

Input: 24V DC
 Max. Push Load: 3500N
 Max. Pull Load: 2000N
 Max. Speed at No Load: 11.4mm/s
 Stroke: 50~600mm
 Duty Cycle: 10%

Min. Installation Dimension: 137mm+Stroke
 Certificate: CE, Medical Device Directive (MDD) 93/42/EEC
 Preset limit switches
 Option: Push only



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
			No load	Full load	No load	Full load
MD50-24-A3-XXX.XXX-CXX-XXXX	3500	2000	5.0	3.8	0.8	3.8
MD50-24-F3-XXX.XXX-CXX-XXXX	2000	2000	11.4	9.0	0.9	3.5

MD51

Input: 24V DC
 Max. Push Load: 3500N
 Max. Pull Load: 2000N
 Max. Speed at No Load: 11.4mm/s
 Stroke: 100~600mm
 Duty Cycle: 10%

IP Level: IP66
 Min. Installation Dimension: 141mm+Stroke
 Certificate: CE, Medical Device Directive (MDD) 93/42/EEC
 Preset limit switches
 Option: Push only



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
			No load	Full load	No load	Full load
MD51-24-A3-XXX.XXX-CXX-XXXX	3500	2000	5.0	3.8	0.8	3.8
MD51-24-F3-XXX.XXX-CXX-XXXX	2000	2000	11.4	9.0	0.9	3.5

Actuator

MD52



Input: 24V DC
Max. Push Load: 1000N
Max. Pull Load: 1000N
Max. Speed at No Load: 25.0mm/s
Stroke: 100~300mm
Duty Cycle: 10%

IP Level: IP66 / IP69K
Min. Installation Dimension: 156mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU and 2004/108/EC
Stainless steel front connector and extension tube
Option: Bellow protection (stroke 100mm)
 Metal worm wheel



BELLOW PROTECTION

Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
			No load	Full load	No load	Full load
MD52-24-M6-XXX.XXX-X-X	1000	1000	25.0	18.5	1.5	5.0

MD53



Input: 24 / 36V DC
Max. Push Load: 3500N
Max. Pull Load: 2000N
Max. Speed at No Load: 10.5mm/s
Stroke: 100~300mm
Duty Cycle: 10%

Min. Installation Dimension: 167mm+Stroke
Preset limit switches



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)	
			No load	Full load	No load	Full load
MD53-24-XXX.XXX-CXX	3500	2000	10.5	8.5	1	4.5
MD53-36-XXX.XXX-CXX	3500	2000	10.5	8.5	0.8	3.5

Please refer to the product data sheet for the definition of Model No.

MD56

Input: 24V DC
Max. Push Load: 5000N
Max. Pull Load: 3500N
Max. Speed at No Load: 43.0mm/s
Stroke: 50~400mm
Duty Cycle: 10%

IP Level: IPX1 / IPX6
Min. Installation Dimension: 156mm+Stroke
Certificate: CE, EMC Directive 93/42/EEC
Motor orientation can be adjusted in every 30°
Preset cam type limit switches
Option: Hall effect sensor / reed sensor / potentiometer
 Waterproof case



WATERPROOF CASE

Model No.	Max. Push Load (N)	Max. Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)@ 24V	
			No load	Full load	No load	Full load
MD56-X-24R3-XXX.XXX-XXXX0XX	5000	3500	5	4	1.0	4.0
MD56-X-24W6-XXX.XXX-XXXX0XX	2000	2000	18	15	1.1	4.6
MD56-X-24N9-XXX.XXX-XXXX0XX	1000	1000	43	30	1.5	5.0

MD57

Input: 12 / 24V DC
Max. Push Load: 4000N
Max. Pull Load: 4000N
Max. Speed at No Load: 12.6mm/s
Stroke: 50~300mm
Duty Cycle: 10%

IP Level: IP21 / IPX6
Min. Installation Dimension: 143mm+Stroke
Certificate: Certificate: CE, EMC Directive 93/42/EEC
Motor orientation can be adjusted in whole 360°
Option: Hall effect sensor / potentiometer
 Preset cam type limit switches
 Waterproof case
 12V high power motor



WATERPROOF CASE



12V HIGH POWER MOTOR



WITH LIMIT SWITCH OR POSITIONING FEEDBACK

Model No.	Input Voltage (V DC)	Max. Push/Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)	
			No load	Full load	No load	Full load
MD57-X-24K3-XXX.XXX-XXXXXXX	24	4000	4.8	3.5	0.7	3.5
MD57-X-24K4-XXX.XXX-XXXXXXX	24	3200	6.4	4.8	0.7	3.4
MD57-X-24K6-XXX.XXX-XXXXXXX	24	2700	9.4	7.0	0.7	3.8
MD57-X-24K8-XXX.XXX-XXXXXXX	24	2300	12.6	8.9	0.8	4.0
MD57-X-12W4-XXX.XXX-XXXXXXX	12	4000	12.0	9.5	3.0	16.0

Actuator

MD60



Input: 24V DC
Max. Push Load: 6000N
Max. Pull Load: 4000N
Max. Speed at No Load: 23.0mm/s
Stroke: 50~400mm
Duty Cycle: 10%

IP Level: IPX4 / IPX6
Min. Installation Dimension: 154mm+Stroke
Certificate: CE, EMC Directive 93/42/EEC
Preset limit switches
Aluminum outer tube
Steel extension tube
Option: Hall effect sensor
 Push only
 Safety nut
 QR1 or QR2 quick release
 MR1 manual release



QR1
QUICK RELEASE

QR2
QUICK RELEASE

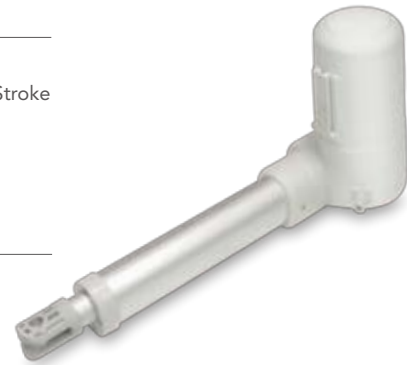
Model No.	Max. Push Load (N)	Max. Pull Load (N)	Typical Speed (mm/s)		Current (A)@ 24V	
			No load	Full load	No load	Full load
MD60-24-A3-XXX.XXX-CXX	6000	4000	2.9	2.1	0.5	3.0
MD60-24-A4-XXX.XXX-CXX	6000	4000	3.8	2.5	0.5	3.5
MD60-24-A6-XXX.XXX-CXX	6000	4000	5.8	3.6	0.5	4.0
MD60-24-A8-XXX.XXX-CXX	6000	4000	7.6	5.0	0.5	4.5
MD60-24-AC-XXX.XXX-CXX	3000	3000	11.5	8.2	0.5	3.5
MD60-24-AG-XXX.XXX-CXX	1500	1500	15.3	12.0	0.5	3.0
MD60-24-K3-XXX.XXX-CXX	6000	4000	5.8	3.8	0.5	3.5
MD60-24-K4-XXX.XXX-CXX	6000	4000	7.5	4.5	0.5	4.5
MD60-24-K6-XXX.XXX-CXX	3000	3000	11.5	6.9	0.5	3.5
MD60-24-K8-XXX.XXX-CXX	3000	3000	15.3	10.0	0.5	4.0
MD60-24-KC-XXX.XXX-CXX	2000	2000	23.0	14.7	0.5	4.0

MD66



Input: 24V DC
Max. Push Load: 6000N
Max. Pull Load: 4000N
Max. Speed at No Load: 16.6mm/s
Stroke: 50~300mm
Duty Cycle: 10%

IP Level: IPX5
Min. Installation Dimension: 160mm+Stroke
Certificate: IEC60601-1, EN60601-1
Preset limit switches
Option: Hall effect sensor
 Push only
 Safety nut



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V	
			No load	Full load	No load	Full load
MD66-XX-F3-XXX.XXX	6000	4000	4.1	2.8	0.6	2.6
MD66-XX-A4-XXX.XXX	6000	4000	4.2	2.9	0.4	2.7
MD66-XX-F4-XXX.XXX	5000	4000	5.5	4.4	0.4	2.8
MD66-XX-A6-XXX.XXX	4000	4000	6.2	3.8	0.2	3.0
MD66-XX-F6-XXX.XXX	3000	3000	8.2	6.6	0.5	2.8
MD66-XX-A8-XXX.XXX	3000	3000	8.3	5.0	0.3	2.7
MD66-XX-F8-XXX.XXX	3000	3000	11.0	8.2	0.5	2.9
MD66-XX-AG-XXX.XXX	1500	1500	16.6	12.2	0.2	2.8

MD7

Input: 12 / 24V DC
Max. Push Load: 6000N
Max. Pull Load: 4000N
Max. Speed at No Load: 16.6mm/s
Stroke: 50~300mm
Duty Cycle: 10%

IP Level: IP54
Min. Installation Dimension: 160mm+Stroke
Certificate: EN60601-1
Preset limit switches
Option: Hall effect sensor
 Push only
 Safety nut
 QR2 quick release



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
MD7-XX-F3- XXX.XXX	6000	4000	4.1	2.8	1.2	0.6	5.2	2.6
MD7-XX-A4- XXX.XXX	6000	4000	4.2	2.9	0.8	0.4	5.4	2.7
MD7-XX-F4- XXX.XXX	5000	4000	5.5	4.4	0.8	0.4	5.6	2.8
MD7-XX-A6- XXX.XXX	4000	4000	6.2	3.8	0.4	0.2	6.0	3.0
MD7-XX-F6- XXX.XXX	3000	3000	8.2	6.6	1.0	0.5	5.6	2.8
MD7-XX-A8- XXX.XXX	3000	3000	8.3	5.0	0.6	0.3	5.4	2.7
MD7-XX-F8- XXX.XXX	3000	3000	11.0	8.2	1.0	0.5	5.8	2.9
MD7-XX-AG- XXX.XXX	1500	1500	16.6	12.2	0.4	0.2	5.6	2.8

MD80

Input: 24V DC
Max. Push Load: 8000N
Max. Pull Load: 6000N
Max. Speed at No Load: 16.6mm/s
Stroke: 50~400mm
Duty Cycle: 10%

IP Level: IPX4 / IPX5
Min. Installation Dimension: 180mm+Stroke
Certificate: CE, EMC Directive 93/42/EEC
Preset limit switches
Steel extension tube
Option: Push only
 Safety Nut
 QR2 Quick Release
 MR1 Manual Release

MR1
MANUAL RELEASEQR2
QUICK RELEASE

Model No.	Max. Push Load (N)	Max. Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)	
			No load	Full load	No load	Full load
MD80-24-A4-XX-XXX.XXX-CXX	8000	6000	4.2	3.3	0.6	5.0
MD80-24-A6-XX-XXX.XXX-CXX	8000	6000	6.2	4.6	0.6	6.0
MD80-24-A8-XX-XXX.XXX-CXX	8000	6000	8.1	5.9	0.6	6.7
MD80-24-K8-XX-XXX.XXX-CXX	3000	3000	16.6	11.8	1.0	5.0

Actuator

MD82



Input: 24V DC
Max. Push Load: 8000N
Max. Pull Load: 6000N
Max. Speed at No Load: 16.6mm/s
Stroke: 50~400mm
Duty Cycle: 10%

IP Level: IPX4 / IPX6
Min. Installation Dimension: 177mm+Stroke
Certificate: EMC Directive 93/42/EEC
Preset limit switches
Steel extension tube
Option: Push only
 Safety nut
 QR2 quick release
 MR1 manual release



QR2 QUICK RELEASE MR1 MANUAL RELEASE

Model No.	Max. Push Load (N)	Max. Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)@ 24V	
			No load	Full load	No load	Full load
MD82-24A4-XXX.XXX-XXXXXXXX	8000	6000	4.2	3.3	0.6	5.0
MD82-24A6-XXX.XXX-XXXXXXXX	8000	6000	6.2	4.6	0.6	6.0
MD82-24A8-XXX.XXX-XXXXXXXX	8000	6000	8.1	5.9	0.6	6.7
MD82-24K8-XXX.XXX-XXXXXXXX	3000	3000	16.6	11.8	1.0	5.0

MD80M



Input: 110 / 230V AC
Max. Push Load: 8000N
Max. Pull Load: 6000N
Max. Speed at No Load: 16.6mm/s
Stroke: 50~400mm
Duty Cycle: 10%

IP Level: IPX4 / IPX5
Min. Installation Dimension: 210mm+Stroke
Certificate: CE, EMC Directive 93/42/EEC
Integrate with control unit and power supply
Preset limit switches
Steel extension tube
Option: Push only
 Safety nut
 Connect additional 1~2 actuator



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
			No load	Full load	No load	Full load
MD80M-XXA4-XXX.XXX-XXX0XXX	8000	6000	4.2	3.3	0.6	5.0
MD80M-XXA6-XXX.XXX-XXX0XXX	8000	6000	6.2	4.6	0.6	6.0
MD80M-XXA8-XXX.XXX-XXX0XXX	8000	6000	8.1	5.9	0.6	6.7
MD80M-XXK8-XXX.XXX-XXX0XXX	3000	3000	16.6	11.8	1.0	5.0

MD100

Input: 24V DC
 Max. Push Load: 10000N
 Max. Pull Load: 6000N
 Max. Speed at No Load: 9.0mm/s
 Stroke: 100~600mm
 Duty Cycle: 10%

IP Level: IPX4 / IPX6
 Min. Installation Dimension: 210mm+Stroke
 Certificate: CE, EMC Directive 93/42/EEC
 Preset limit switches
 Stainless steel extension tube
 Aluminum outer tube
 Option: Push only
 Safety nut
 QR2 quick release
 MR2 manual release



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
			No load	Full load	No load	Full load
MD100-24DC-XXX.XXX-XXXXXXX	10000	6000	7.0	5.2	1.0	7.0
MD100-24FC-XXX.XXX-XXXXXXX	10000	6000	9.0	6.7	1.0	8.2

MD120

Input: 24V DC
 Max. Push Load: 12000N
 Max. Pull Load: 6000N
 Max. Speed at No Load: 6.9mm/s
 Stroke: 100~400mm
 Duty Cycle: 10%

IP Level: IPX4 / IPX6
 Min. Installation Dimension: 230mm+Stroke
 Certificate: CE, EMC Directive 93/42/EEC
 Preset limit switches
 Aluminum outer tube
 Option: Safety nut
 Mechanical push only extension tube
 Electrical push only function
 Hall effect sensor
 MR3 manual release



Model No.	Max. Push Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
		No load	Full load	No load	Full load
MD120-24E8-XXX.XXX-XXXXXXX	12000	6.3	4.4	0.6	6.6
MD120-24F8-XXX.XXX-XXXXXXX	12000	6.9	5.2	0.9	7.5

Actuator

ID10



Input: 12 / 24V DC
Max. Rated Load: 3500N (ACME)
 7000N (Ball Screw)
Max. Static Load: 4500N (ACME)
 13600N (Ball Screw)
Max. Speed at No Load: 67.1mm/s
Stroke: 102~610mm
Duty Cycle: 25%

IP Level: IP54 / IP65
Min. Installation Dimension: 160mm+Stroke
Operating Temperature: -25~+65
Certificate: CE, EMC Directive 2014/30/EU
ACME type or ball screw type
Overload protection by clutch
Iron (ACME) or stainless steel (ball screw) extension tube
Option: Potentiometer
 Adjustable limit switches
 Manual drive connector



WITH POTENTIOMETER

Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)			
		No load	Full load	No load		Full load	
				12V	24V	12V	24V
ID10-XX-10-A-XXX	1500	33.5	26.7	3.4	2.2	17.6	8.8
ID10-XX-20-A-XXX	2500	16.8	14.3	3.4	2.2	13.2	6.6
ID10-XX-40-A-XXX	3500	8.4	7.4	3.4	2.2	11.0	5.5
ID10-XX-05-B-XXX	2500	67.1	47.2	3.4	2.2	26.4	13.2
ID10-XX-10-B-XXX	3500	33.5	26.7	3.4	2.2	17.6	8.8
ID10-XX-20-B-XXX	4500	16.8	14.3	3.4	2.2	13.2	6.6
ID10-XX-30-B-XXX	6000	11.2	9.8	3.4	2.2	12.1	6.1
ID10-XX-40-B-XXX	7000	8.4	7.4	3.4	2.2	11.0	5.5

ID10BT



Input: 24V DC
Max. Rated Load: 1000N
Max. Static Load: 1500N
Max. Speed at No Load: 72.0mm/s
Stroke: 102~457mm
Duty Cycle: 25%

IP Level: IP54 / IP65
Min. Installation Dimension: 160mm+Stroke
Operating Temperature: -25~+65
ACME type spindle



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
		No load	Full load	No load	Full load
ID10BT-24F5AXXX-0X000XX	1000	72	53	1.8	10

ID11



Input: 12 / 24V DC

Max. Rated Load: 3500N (ACME)
7000N (Ball Screw)

Max. Static Load: 4500N (ACME)
13600N (Ball Screw)

Max. Speed at No Load: 33.5mm/s

Stroke: 102~610mm

Duty Cycle: 25%

IP Level: IP54 / IP65

Min. Installation Dimension: 217mm+Stroke

Operating Temperature: -25~+65

Certificate: CE, EMC Directive 2014/30/EU

ACME type or ball screw type

Adjustable limit switches

Option: Side cable outlet



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)			
		No load	Full load	No load		Full load	
				12V	24V	12V	24V
ID11-XX-10-A-XXX	1500	33.5	26.7	3.4	2.2	17.6	8.8
ID11-XX-20-A-XXX	2500	16.8	14.3	3.4	2.2	13.2	6.6
ID11-XX-40-A-XXX	3500	8.4	7.4	3.4	2.2	11.0	5.5
ID11-XX-10-B-XXX	3500	33.5	26.7	3.4	2.2	17.6	8.8
ID11-XX-20-B-XXX	4500	16.8	14.3	3.4	2.2	13.2	6.6
ID11-XX-30-B-XXX	6000	11.2	9.8	3.4	2.2	12.1	6.1
ID11-XX-40-B-XXX	7000	8.4	7.4	3.4	2.2	11.0	5.5

ID12



Input: 12 / 24V DC

Max. Rated Load: 3500N (ACME)
7000N (Ball Screw)

Max. Static Load: 4500N (ACME)
13600N (Ball Screw)

Max. Speed at No Load: 67.1mm/s

Stroke: 100~600mm

Duty Cycle: 25%

IP Level: IP66 / IP69K

Min. Installation Dimension: 219mm+Stroke

Operating Temperature: -25~+65

Certificate: CE, EMC Directive 2014/30/EU

ACME type or ball screw type

Overload protection by clutch

Option: Potentiometer

Adjustable limit switches

External adjustable reed switch



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)			
		No load	Full load	No load		Full load	
				12V	24V	12V	24V
ID12-XX-10-A-XXX	1500	33.5	26.7	3.4	2.2	17.6	8.8
ID12-XX-20-A-XXX	2500	16.8	14.3	3.4	2.2	13.2	6.6
ID12-XX-40-A-XXX	3500	8.4	7.4	3.4	2.2	11.0	5.5
ID12-XX-05-B-XXX	2500	67.1	47.2	3.4	2.2	26.4	13.2
ID12-XX-10-B-XXX	3500	33.5	26.7	3.4	2.2	17.6	8.8
ID12-XX-20-B-XXX	4500	16.8	14.3	3.4	2.2	13.2	6.6
ID12-XX-30-B-XXX	6000	11.2	9.8	3.4	2.2	12.1	6.1
ID12-XX-40-B-XXX	7000	8.4	7.4	3.4	2.2	11.0	5.5

Actuator

ID13



Input: 12 / 24V DC
Max. Rated Load: 1200N (ACME)
 4000N (Ball Screw)
Max. Static Load: 1800N (ACME)
 6000N (Ball Screw)
Max. Speed at No Load: 35.0mm/s
Stroke: 100~350mm
Duty Cycle: 10%

IP Level: IP54 / IP65
Min. Installation Dimension: 215mm+Stroke
Operating Temperature: -25~+65
Certificate: UL E356466
ACME type or ball screw type
Stainless steel extension tube
Overload protection by clutch
Option: Hall effect sensor
 External adjustable reed sensor
 Motor orientation



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
ID13-XXFDA-XXX.XXX	1200	1200	35	25	2	1	14	7
ID13-XXF4B-XXX.XXX	4000	4000	10	7	2	1	10	5

ID10S



Input: 12 / 24V DC
Max. Rated Load: 5500N (ACME)
 9000N (Ball Screw)
Max. Static Load: 13600N (ACME)
 17100N (Ball Screw)
Max. Speed at No Load: 5.6mm/s
Stroke: 450 / 600 / 900mm
Duty Cycle: 10%

IP Level: IP65
Min. Installation Dimension: 314mm+Stroke
Operating Temperature: -25~+65
Certificate: EMC Directive 2014/30/EU
ACME type or ball screw type
Overload protection by clutch
Steel extension tube
Option: Hall effect sensor / reed sensor /
 optical encoder / potentiometer
 Stainless steel extension tube



Model No.	Max. Dynamic Load (N)	Speed (mm/s)		Current (A)			
		No load	Full load	No load		Full load	
				12V	24V	12V	24V
ID10S-XX40E5BXXX-XXXXXXX	9000	5.5	4.4	1.8	0.9	7.2	3.6
ID10S-XX40E5AXXX-XXXXXXX	5500	5.6	4.5	1.8	0.9	7.8	3.9

ID16



Input: 24V DC
Rated Load: 5500N
Max. Static Load: 13600N
Max. Speed at No Load: 3.3mm/s
Stroke: 450 / 600 / 900mm
Duty Cycle: 10%

IP Level: IP65
Min. Installation Dimension: 363mm+Stroke
Operating Temperature: -20~+65
Certificate: EMC Directive 2014/30/EU
ACME type spindle
Preset limit switches
Steel extension tube
Option: Hall effect sensor / reed sensor / potentiometer
 Stainless steel extension tube



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
		No load	Full load	No load	Full load
ID16-24D5AXXX-XXXX0XX	5500	3.3	2.67	0.8	2.3

ID18



Input: 24 / 36V DC
Rated Load: 9000N (ACME)
 12000N (Ball Screw)
Max. Static Load: 36000N
Max. Speed at No Load: 3.3mm/s
Stroke: 610 / 914 / 1219 mm
Duty Cycle: 10%

IP Level: IP65
Min. Installation Dimension: 453mm+Stroke
Operating Temperature: -25~+65
ACME type or ball screw type
Preset limit switches
Option: Hall effect sensor / reed sensor / potentiometer
 Customized connector
 (trunnion mount or customized clamp)
 Cable outlet from body side or bottom



TRUNNION MOUNT

CUSTOMIZED CLAMP

Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Input Voltage (V)	Current (A)	
		No load	Full load		No load	Full load
ID18-2458S3AXXX-XXXXXXX	9000	2.0	1.5	24	0.4	4.0
ID18-3658S3AXXX-XXXXXXX	9000	2.0	1.5	36	0.4	2.5
ID18-2458S5BXXX-XXXXXXX	12000	3.3	2.7	24	0.4	2.4
ID18-3658S5BXXX-XXXXXXX	12000	3.3	2.7	36	0.4	1.8

Actuator

IS10



Input: 24V DC
Rated Load: 3500N
Max. Static Load: 5000N
Max. Speed: 1.2mm/s @ 3500N
Stroke: 4~24in
Duty Cycle: 10%

IP Level: IP65
Stepper Motor
Ball screw type spindle
Working with 24VDC control system
Stainless extension tube
Option: Hall effect sensor



IA5



Input: 115 / 230V AC
Max. Push Load: 3500N (ACME)
 7000N (Ball Screw)
Max. Pull Load: 4500N (ACME)
 13600N (Ball Screw)
Max. Speed at No Load: 52.8mm/s
Stroke: 102~610mm
Duty Cycle: 25%

IP Level: IP54 / IP65
Min. Installation Dimension: 160mm+Stroke
Operating Temperature: -25~+65
Certificate: UL E362815, RoHS, CE,
 EMC Directive 2004/108/EC and 2006/95/EC
ACME type or ball screw type
Overload protection by clutch
Option: Potentiometer
 Adjustable limit switches

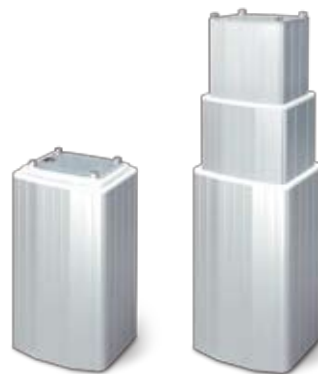


WITH POTENTIOMETER

Model No.	Max. Push/Pull Load (N)	Speed (mm/s)				Current (A)			
		No load		Full load		No load		Full load	
		115V	230V	115V	230V	115V	230V	115V	230V
IA5-XXX-10-A-XXX	1500	26.5	21.8	22.9	17.5	2.8	1.8	3.1	1.8
IA5-XXX-20-A-XXX	2500	13.1	10.8	11.8	9.3	2.7	1.9	2.7	1.9
IA5-XXX-40-A-XXX	3500	6.6	5.4	6.0	4.9	2.7	1.9	2.7	1.9
IA5-XXX-05-B-XXX	2500	52.8	43.5	40.8	29.0	2.8	1.8	3.5	1.8
IA5-XXX-10-B-XXX	3500	26.5	21.8	22.9	17.5	2.8	1.8	3.1	1.8
IA5-XXX-20-B-XXX	4500	13.1	10.8	11.8	9.3	2.7	1.9	2.7	1.9
IA5-XXX-30-B-XXX	6000	8.7	7.2	7.9	6.3	2.7	1.9	2.7	1.9
IA5-XXX-40-B-XXX	7000	6.6	5.4	6.0	4.9	2.7	1.9	2.7	1.9

DLC1

Input: 24V DC
Max. Thrust: 2000N
Max. Static Load: 3000N
Max. Speed: 13.0mm/s
Stroke: 400mm
Dimensions: 175(W)*140(D)*350~750(H)mm
Static Bending Moment: 500Nm
Dynamic Bending Moment: 250Nm
Duty Cycl: 10%
IP Level: IPX6
Certificate: CE, EMC Directive 93/42/EEC
Noise Level: 50dB
Life Cycle: Over 5000 cycles
Preset limit switches
Anodized Aluminum body
Option: Hall effect sensor
 Safety nut



Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)@ 24V DC	
		No load	Full load	No load	Full load
DLC1-24RH-350.750-XXXXX	2000	13	10	0.9	4.0

DLC2

Input: 24V DC
Max. Thrust: 2000N
Max. Speed: 18.0mm/s
Stroke: 140 / 261 / 450mm
Static Bending Moment: 1000Nm
Dynamic Bending Moment: 750Nm
Duty Cycl: 10%
IP Level: IP21
Certificate: CE, EMC Directive 2014/53/EU, EN55014-1, EN55014-2
Preset limit switches
Anodized Aluminum body
Option: Hall effect sensor



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

Actuator

DKL5



Input: 24V DC
Max. Load: 800N
Max. Speed: 40.0mm/s
Retracted Length: 574mm
Stroke: 650mm
Dimensions: Φ 70mm
Duty Cycle: 10%
IP Level: IP20
Certificate: CE, EMC Directive 2014/53/EU
Hall effect sensor



Model No.	Max. Push Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
		No load	Full load	No load	Full load
DKL5	800	40	30	0.8	3.5

DKL3



Input: 24V DC
Max. Load: 800N
Max. Speed: 40.0mm/s
Retracted Length: 553mm
Stroke: 650mm
Dimensions: Φ 33mm
Duty Cycle: 10%
IP Level: IP20
Certificate: CE, EMC Directive 2014/53/EU
Hall effect sensor



Model No.	Max. Push Load (N)	Typical Speed (mm/s)		Typical Current (A)@ 24V DC	
		No load	Full load	No load	Full load
DKL3	800	40	30	0.8	3.5

DKS2

Stroke: 300~500mm

Lead: 8 / 12mm

Installation Dimensions: 55mm+Stroke

Gear Ratio: 1:1

Drive by hexagon metal rod (diagonal diameter 6mm)

Recommend to use with DKM4-LF and DKC3



Twinmat

TW40/TW60



Input: 100 / 120 / 220 / 230 / 240 / 100~240V AC
Max. Load: 2*4500N or 2*6000N
Max. Speed at No Load: 5mm/s
Duty Cycle: 10%
Stroke: 29~87mm
IP Level: IP43 / IP54
Protection Class: II
Certificate: EN60335

Option: Memory function
External/built-in SMPS
Drive additional 1~2 motors
9V DC backup batteries *2
Safety plug (SP4 or SP5)
Color (black or RAL 7035)



TW41/TW61



Input: 100 / 120 / 230 / 100~240V AC
Max. Load: 2*4500N or 2*6000N
Max. Speed at No Load: 5mm/s
Duty Cycle: 10%
Stroke: 29~87mm
IP Level: IP43 / IP54
Protection Class: II
Certificate: CE
9V DC backup batteries *2

Option: Memory function
External/built-in SMPS
External/built-in RF receiver
Drive additional 1~2 actuators
Massage function
Safety Plug (SP4 or SP5)
Color (Black or RAL 7035)



TW42



Input: 100 / 120 / 220 / 230 / 240 / 100~240V AC
Max. Load: 2*4500N
Max. Speed at No Load: 5mm/s
Duty Cycle: 10%
Stroke: 29~87mm
IP Level: IP43
Protection Class: II
Certificate: CE, EMC Directive 2004/108/EC
9V DC backup batteries *2

Option: Built-in SMPS
Color (black or RAL 7035)



TW43



Input: 100 / 120 / 220 / 230 / 100~240V AC
Max. Load: 2*4500N
Max. Speed at No Load: 5mm/s
Duty Cycle: 10%
Stroke: 29~87mm
IP Level: IP20
Protection Class: II

Option: Built-in SMPS
Built-in RF Receiver
Safety plug (SP4 or SP5)
9V DC backup batteries 1 or 2



BEST LUXURIOUS **ALL-IN-ONE** SOLUTION FOR ADVANCED BOX SPRING BED

6000N FORCE

BUILT-IN SMPS & 2.4GHZ RF RECEIVER

MASSAGE FUNCTION

BACKUP BATTERY FOR EMERGENCY LOWING



TW61-RM
TWINMAT



VM01
MASSAGE MOTOR



VM01
MASSAGE MOTOR



TXH5
WIRELESS CONTROL



Control Box

T Control



Dimensions: 116*103*72mm
Input: 100 / 120 / 230 / 100~240V AC
Max. Output: 24V DC, 3A
Number of Actuator: 1~3
Number of Control: 1
Duty Cycle: 10%
IP Level: IP20
Protection Class: II
Certificate: UL962, PSE, C-Tick, RoHS, CE,
EMC Directive 2014/30/EU and 2014/35/EU,
EMF EN62233, IEC60068, ISTA
Can be mounted on FD60
Option: Built-in SMPS
Safety plug (SP4 or SP5)
Mounting plate



FD60+T CONTROL

TL01



Dimensions: 116*103*72mm
Input: 110V AC / 230V AC
Max. Output: 24V DC, 3A
Number of Actuator: 4
Number of Control: 2
Duty Cycle: 10%
IP Level: IP20
Protection Class: II
Joint Moment for 2 Actuators
Emergency lowering function
Option: Safety plug (SP4 or SP5)
Mounting plate



CBT2



Dimensions: 116*103*94mm
Input: 120 / 230 / 100~240V AC
Max. Output: 24V DC, 3A
Number of Actuator: 1~3
Number of Control: 1
Duty Cycle: 10%
IP Level: IP20
Protection Class: I / II
Certificate: EN55014-1, EN55014-2,
EN60335-1, EN62233
Can be mounted on FD60
Detachable AC power cord
Option: Built-in SMPS
Mounting plate
Color (black or RAL7001)



CB3T

Dimensions: 190*100*72mm
Input: 120 / 230 / 100~240V AC
Max. Output: 12V DC, 6A / 24V DC, 3A
Number of Actuator: 1~3
Number of Control: 1
Duty Cycle: 10%
IP Level: IP20
Protection Class: II
Certificate: EN60335-1, EN55014-1, EN55014-2
Option: Synchronization of 2 actuators
 Built-in SMPS

**CB4M**

Dimensions: 277*137*89mm
Input: 110 / 230V AC
Max. Output: 24V DC, 3A
Number of Actuator: 2~4
Number of Control: 2
Duty Cycle: 10%
IP Level: IP20
Protection Class: II
Certificate: CISPR14-1, EN50366, EN55014-1,
 EN55014-2, EN60335-1, EN61000-3
Option: Rechargeable batteries 12V DC 1.3AH*2
 Charger function
 Synchronization for 2~4 Actuators
 Detachable AC power cord

**CB2P**

Dimensions: 172*136*75mm
Input: 110 / 230V AC
Max. Output: 12V DC, 6A / 24V DC, 3A
Number of Actuator: 1~2
Number of Control: 1
Duty Cycle: 10%
IP Level: IP65
Protection Class: II
Certificate: EN60601-1
Can be mounted on MD66, MD60 and MD7
 9V DC backup batteries *2



MD60+CB2P

Control Box

CB4P



Dimensions: 321*114*92mm
Input: 110 / 230V AC
Max. Output: 24V DC, 3~9A
Number of Actuator: 1~4
Number of Control: 2
Duty Cycle: 10%
IP Level: IPX4
Protection Class: I
Certificate: CE, Medical Devices Directive (MDD) 93/42/EEC
Option: Charger function
Rechargeable batteries 12V DC 1.3AH *2
High power version
Synchronization for 2 actuators



CB5P-M



MoBus

Dimensions: 325*140*96mm
Input: 100 / 120 / 230V AC
Max. Output: 24V DC, 5A, 3A
Number of Actuator: 1~5
Number of Control: 2
Duty Cycle: 10%
IP Level: IPX4 / IPX5
Protection Class: II
Certificate: EN60601-1 (Planing)
Option: Rechargeable batteries 12V DC 1.3AH *2



MD6C



MoBus

Dimensions: 119*82*95mm
Input: 100 / 120 / 230 / 100~240V AC
Max. Output: 24V DC, 5A
Number of Actuator: 1~4
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX5
Protection Class: I / II
Certificate: CE, Medical Devices Directive (MDD) 93/42/EEC
Can be mounted on MD60/MD66
Emergency lowering function with backup batteries
Option: MoBus protocol (MD6C-M)
Built-in SMPS (MD6C-M)
Joint movement for 2 actuators
Fixing bracket



MD60+MD6C

MD7C

Dimensions: 152*148*106mm

Input: 100 / 120 / 230V AC

Max. Output: 24V DC, 3A

Number of Actuator: 1~4

Number of Control: 1

Duty Cycle: 10%

IP Level: IPX4 / IPX5

Protection Class: I

Certificate: IEC60601-1, EN60601-1

Can be mounted on MD7

Emergency lowering function with backup batteries



MD7+MD7C

CBP2

Dimensions: 430*128*118mm

Input: 100 / 120 / 230 / 100~240V AC

Max. Output: 24V DC, 5~9A

Number of Actuator: 1~2

Number of Control: 1

Duty Cycle: 10%

IP Level: IPX4(External SMPS) / IP66

Protection Class: II

Certificate: UL E464256, CE, Medical Devices Directive (MDD) 93/42/EEC and 93/68/EEC

Emergency stop button

LCM display (status and error info)

Option: Lead acid battery

Battery level indicator

External/internal SMPS or transformer

**CBP3**

Dimensions: 430*128*118mm

Input: 100~240V AC

Max. Output: 24V DC, 5~9A

Number of Actuator: 1~2

Number of Control: 1

Duty Cycle: 10%

IP Level: IPX4(external SMPS) / IP66

Protection Class: II

Certificate: CE, Medical Device Directive (MDD) 93/42/EEC

Emergency stop button

LCM display (status and error info)

History record of abnormal usage

Connect PC to access history records or setting function

Option: Lead acid battery

Battery level indicator

External/internal SMPS



Control Box

CS1



Dimensions: 101*90*40mm

Input: 29V DC

Max. Output: 29V DC, 3A

Number of Actuator: 1~2

Number of Control: 1

Duty Cycle: 10%

IP Level: IP42

Certificate: CE, EMC Directive 2004/108/EC

Can be mounted on FD60

Detachable 1M DC power cord with DIN41259 plug

Option: External SMPS (TSW1 or TSW2)

Anti-pull accessory

Mounting plate

Emergency lowering function with TSW2



CS2



Dimensions: 142*96*43mm

Input: 29V DC

Max. Output: 29V DC, 3A

Number of Actuator: 2~4

Number of Control: 1

Duty Cycle: 10%

IP Level: IP42

Certificate: EN55014-1, EN55014-2

Can be mounted on FD60

Option: External SMPS (TSW1 or TSW2 or TSW3)

Joint movement for 2 actuators

Mounting plate

Emergency lowering function with TSW2



CS2+FD60

DKC3



Dimensions: 286*90*38mm

Input: 100~240V AC

Output: 24 / 32V DC

Number of Actuator: 1~2

Number of Control: 1

Duty Cycle: 10%

IP Level: IP20

Synchronization for 2 motors

Anti-collision function

Height display (compatible with DKP3)

Memory function

Soft start/stop function



CIS1**Synchronization Control Box**

Dimensions: 281*225*106mm

Input: 24V DC

Max. Output: 24V DC, 7.5A

Number of Actuator: 2

Duty Cycle: 10%

Synchronization for 2 actuators

Work with signals of hall effect sensor or reed sensor

Memory function

Option: Software limit protection

CIS2**Synchronization and High Current Control Box**

Dimensions: 281*225*106mm

Input: 12V DC

Max. Output: 12V DC, 12A

Number of Actuator: 2

Duty Cycle: 10%

Drive 2 actuators move synchronously or independently

Work with signals of hall effect sensor or reed sensor

Memory function

Battery charging function (AC or solar input)

Option: Battery charger

CIS3**Synchronization and High Current Control Box**

Dimensions: 281*225*106mm

Input: 24V DC

Max. Output: 24V DC, 13A

Number of Actuator: 2

Duty Cycle: 10%

Synchronization for 2 actuators

Work with signals of potentiometer

Memory function

Option: Software limit protection

**CI10**

Dimensions: 254*225*161mm

Input: 110 or 230V AC (Adjustable)

Max. Output: 24V DC, 13A

Number of Actuator: 1

Duty Cycle: 10%

Protection Class: II

Equipped with switch for movement control

Recommend to use with ID10

Emergency stop button

LED power indicator



Control work with control box

HC



Dimensions: 161*55*19mm
Number of Actuator: 1~4
Number of Button: 2, 4, 6, 8, 10
Certificate: CE, EMC Directive 2014/30/EU
LED indicator
With hook
Option: Joint movement for 2 motors



HD



Dimensions: 146*56*22mm
Number of Actuator: 1~4
Number of Button: 2, 4, 6, 8
LED indicator
With hook
Option: Joint movement or synchronization for 2 motors



H2D



Dimensions: 180*75*20mm
Number of Actuator: 2~4
Number of Button: 6, 8, 10, 12
IP Level: IPX4
LED indicator
With hook
Option: Nurse lock



HF



Dimensions: 180*60*26mm
Number of Actuator: 1~4
Number of Button: 2, 4, 6, 8, 10
IP Level: IPX4
LED indicator
With hook
Option: Safety key



H3F



Dimensions: 170*55*26mm
Number of Actuator: 1~3
Number of Button: 2, 4, 6, 8
IP Level: IPX4 / IPX6
Button backlight (blue)
With hook
Option: Joint movement for 2 motors



HI



Dimensions: 139*50*28mm
Number of Actuator: 1~3
Number of Button: 2, 4, 6, 8, 9
With hook
Option: Joint movement for 2 motors
Memory function
Safety key



HJ

Dimensions: 95*50*16mm
 Number of Actuator: 1~3
 Number of Button: 2, 4, 6
 IP Level: IP20
 LED indicator
 With hook
 Option: Joint movement for 2 motors
 Magnetic back cover

**HM**

Dimensions: 142*58*25mm
 Number of Actuator: 1~3
 Number of Button: 2, 4, 6, 8
 LED indicator
 With hook
 Option: Joint movement or synchronization for 2 motors
 Safety key

**H2N**

Dimensions: 127*51*16mm
 Number of Actuator: 1~3
 Number of Button: 2, 4, 6, 7, 9
 With hook
 Option: Joint movement for 2 motors
 LED torch (white)
 Holder without hook

**H3N**

Dimensions: 162*60*21mm
 Number of Actuator: 1~2
 Number of Button: 3, 5, 6, 7, 8, 10
 LED torch (blue)
 Button backlight (green)
 Option: Joint movement for 2 motors
 Memory function
 Holder with or without hook
 Color (textured black or matt black)

**H3NT**

Dimensions: 162*60*21mm
 Number of Actuator: 1~2
 Number of Button: 3, 5, 6, 7
 IP Level: IP20
 LED torch (blue)
 Button backlight (blue, triggered by built-in touch sensor or button)
 Option: Joint movement for 2 motors
 Holder with or without hook
 Color (textured black or matt black)

**H4N**

Dimensions: 142*50*21mm
 Number of Actuator: 2
 Number of Button: 5, 7, 8, 10
 LED torch (blue)
 Button backlight (blue, triggered by G-sensor or button)
 Option: Joint movement for 2 motors
 Memory function
 Holder with or without hook



Control work with control box

HR



Number of Actuator: 1
 Number of Button: 2
 Option: Relay-free version (HR-P)



HT



Dimensions: 165*65*17mm
 Number of Actuator: 1~4
 Number of Button: 2, 4, 6, 8, 10
 IP Level: IPX5
 LED indicator
 Compatible with CBP2/CBP3
 With hook
 Option: Joint movement or synchronization for 2 motors
 Nurse lock
 Safety key



HTF



Dimensions: 165*65*17mm
 Number of Actuator: 1~2
 Number of Button: 2, 4
 IP Level: IPX5
 Compatible with CBP2/CBP3
 With hook
 Option: Safety key



H2T



Dimensions: 138*60*17mm
 Number of Actuator: 1~2
 Number of Button: 2, 4
 IP Level: IPX6
 Compatible with CBP3
 LED indicator (battery condition, service reminder and overload alarm)
 With hook



H3T



Dimensions: 180*63*19mm
 Number of Actuator: 1~4
 Number of Button: 2, 4, 6, 8, 10
 IP Level: IPX4
 LED indicator
 With hook
 Option: Joint movement or synchronization for 2 motors
 Work with MoBus protocol (H3T-M)
 Nurse lock



H2Z



Dimensions: 144*54*23mm
 Number of Actuator: 1~2
 Number of Button: 2, 4, 6
 LED indicator
 With hook
 Option: Joint movement for 2 motors



CP1

MoBus

Dimensions: 206*133*25mm

Number of Button: 1~21

IP Level: IPX6

Work with MoBus protocol

With hook

Option: LED indicator for each button

**DKP3**

Dimensions: 145*35*20mm

Number of Button: 7

IP Level: IP20

3-Digit LED display (height read-out and error code)

Memory function

Compatible with DKC3

**DKP4**

Dimensions: 49*51*15mm

Number of Button: 2

IP Level: IP20

**HDU**

Dimensions: 152*25*26mm

Number of Actuator: 1

Number of Button: 2

IP Level: IP20

**FS1**

Number of Actuator: 1

Number of Button: 2

IP Level: IP66

Option: Color (RAL7035 or black)

**FS2**

Number of Actuator: 1~3

Number of Button: 2, 4, 6

IP Level: IP54 / IP66

LED indicator

Option: Single/double/triple version



Control work without control box

HB



Dimensions: 158*55*22mm
Number of Actuator: 1
Number of Button: 2
With hook
LED indicator (green)
Option: Safety key



H2G



Dimensions: 110*47*24mm
Number of Actuator: 1~2
Number of Buttons: 2, 4
Certificate: EN55014-1, EN55014-2, IEC61000-4
With hook
LED indicator



H3B



Dimensions: 110*50*26mm
Number of Actuator: 2
Number of Button: 6
Joint movement for 2 motors
With hook



HS01



Input: 29V DC
Number of Actuator: 2
Number of Button: 4
IP Level: IPX1



HS02



Input: 29V DC
Number of Actuator: 1
Number of Button: 2



HZ01



Input: 29V DC
Number of Actuator: 2
Number of Button: 4
Option: USB port for charging
Button texture (matte or glossy)



GLOSSY BUTTON



MATTE BUTTON WITH
USB PORT

HZ02

Input: 29V DC
 Number of Actuator: 1
 Number of Button: 2

**HZ03**

Input: 29V DC
 Number of Actuator: 1
 Number of Button: 2
 Option: Button texture (matte or glossy)



GLOSSY BUTTON



MATTE BUTTON

HZ04

Input: 29V DC
 Number of Actuator: 1
 Number of Button: 2
 Option: USB port for charging

**HZ05**

Input: 29V DC
 Number of Actuator: 1
 Number of Button: 2
 Option: USB port for charging

**HZ06**

Input: 29V DC
 Number of Actuator: 1
 Number of Button: 2

**TPSG**

Input: 29V DC
 Number of Actuator: 1
 2-button touch key



Wireless Control 2.4G RF

TXC



Dimensions: 165*48*18mm
Number of Actuator: 2~3
Number of Button: 5, 7, 9
Battery: AAA*3
LED torch (white)
Button backlight (blue)
Option: Joint movement for 2 motors
With hook



TXH



Dimensions: 158*51*25mm
Number of Actuator: 1~3
Number of Button: 2, 4, 6, 8, 9, 14
Battery: AAA*2
IP Level: IP20
With hook
LED indicator
Option: Joint movement for 2 motors
Memory function (TXH4)
Massage function (TXH5)



TXT



Dimensions: 160*57*23mm
Number of Actuator: 1~2
Number of Button: 3, 5, 6, 7, 8, 10
Battery: AAA*2
Certificate: CE, LVD 2006/95/EC
LED torch (amber)
Button backlight (green)
Option: Joint movement for 2 motors
Memory function
Holder with or without hook
Color (textured black or matt black)



TX2T



Dimensions: 142*50*21mm
Number of Actuator: 2
Number of Button: 5, 7, 8, 10
Battery: AAA*3
Certificate: CE, LVD 2006/95/EC
LED torch (blue)
Option: Joint movement for 2 motors
Memory function
Button backlight (triggered by G-sensor and button or only button)
Holder with or without hook



TXZ



Dimensions: 144*54*23mm
Number of Actuator: 1~2
Number of Button: 2, 4, 6
Battery: AAA*2
LED indicator
With hook
Option: Joint movement for 2 motors



APP CONTROL

CUSTOMIZED FOR IOS/ANDRIOD PLATFORM
INTEGRATING ERGONOMIC TECHNOLOGY



Gate Opener

SW32



Swing Gate Series - Arm Type

Max. Leaf Length: 2.75m
 Max. Leaf Weight: 275kg
 Input: 110 / 230V AC
 Leaf Opening Time at 90°: 16 seconds
 IP Level: IP44
 Duty Cycle: 20%
 Operating Temperature: -20°C~+60°C

- Excellent reliability and easy installation
- User-friendly interface with 2-digit display
- Emergency stop function
- Error code display
- Pedestrian mode (single leaf opening)
- Dry contact for video door phone or external key switch
- Rolling code inspection for more secured access control
- Up to 20 remote control keys can be memorized
- Support charging function for backup battery (12V/5Ah lead-acid battery is optional)



SW32 MOTOR



CAK1 CONTROL BOX



XM4H REMOTE CONTROL



WLT1 WARNING LIGHT



IPH1 PHOTOCELLS

SW12 / SW40



Swing Gate Series - Actuator Type

Max. Leaf Length: 1.75m (SW12) , 3m (SW40)
 Max. Leaf Weight: 150kg (SW12) , 200kg (SW40)
 Input: 110 / 230V AC
 Leaf Opening Time at 90°: 16 seconds
 IP Level: IP44
 Duty Cycle: 20%
 Operating Temperature: -20°C~+60°C

- Excellent reliability and easy installation
- User-friendly interface with 2-digit display
- Emergency stop function
- Error code display
- Pedestrian mode (single leaf opening)
- Dry contact for video door phone or external key switch
- Rolling code inspection for more secured access control
- Up to 20 remote control keys can be memorized
- Support charging function for backup battery (12V/5Ah lead-acid battery is optional)



SW12 ACTUATOR

SW40 ACTUATOR



CAK1 CONTROL BOX



XM4H REMOTE CONTROL



WLT1 WARNING LIGHT



IPH1 PHOTOCELLS

SL20 / SL35



Sliding Gate Series

Max. Leaf Weight: 200 kg (SL20) , 400 kg (SL35)
 Input: 110 / 230V AC
 Length of Tooth Racks: 4m with 8 tooth racks
 IP Level: IP44
 Duty Cycle: 20%
 Operating Temperature: -20°C~+60°C

- Excellent reliability and easy installation
- User-friendly interface with 2-digit display
- Emergency stop function
- Pedestrian mode (partial opening)
- Dry contact for video door phone or external key switch
- Error code display
- Rolling code inspection for more secured access control
- Up to 20 remote controls can be memorized
- Support charging function by backup battery (lead-acid battery is optional)
- Soft stop for more security



SL20 MOTOR



SL35 MOTOR



XM4H REMOTE CONTROL



WLT1 WARNING LIGHT



IPH1 PHOTOCELLS



TOOTH RACK

ANT1**Additional Antenna**

Frequency: 433.92 MHz
 Reliable RF antenna with chromate treatment for weather resistance
 Supplied with 2m coaxial cable
 Increase the range of remote control up to 30m

**RKP2****Wireless Keypad**

Frequency: 433.92 MHz with Rolling code
 Battery: 9V alkaline battery
 Operating Temperature: -20°C ~ +60°C

**ESW1****Key Switch**

Number of Switches: 2
 Number of Keys: 3
 Operating Temperature: -20°C ~ +60°C
 Compatible with Moteck gate opener control boxes as a wired security switch

**LMC1****Garden Lamp Control Box**

Frequency: 433.92 MHz
 Input: 230V AC ~ / 50Hz
 Standby Consumption: 15mA
 Dimensions: 115(L) x 115(W) x 55(H)mm
 Weight: 337g
 Working in 2 separate channels
 Memory Positions: 30 Max. for 2 channels
 Rolling code enabled or disabled
 3 operation modes

**ARCV****Additional Receiver**

Frequency: 433.92 MHz
 Input: 12V DC
 Standby Current: 15mA
 Dimensions: 132(L)*30(W)*67(H)mm
 Weight: 105 g
 Memory Cells: 30max.for 2 channels
 Rolling code inspection
 Partial code deletion or replacement

**BKT3****Battery Box**

Include a 12/10Ah rechargeable lead-acid battery
 Dimensions: 195(L)*114(W)*149(H)mm



Gear Motor

DKM4-LF



Input: 24V DC
Typical Speed: 110rpm after gear reduction
Max. Torque: 7Nm
Max Current at Full Load: 5A@24V DC
Duty Cycle: 10%
IP Level: IP30
Hollow Shaft: Hexogen 6mm diameter
Certificate: EN55014-1, EN55014-2
With dual hall sensors
Recommend to use with DKC3 and DKS2



DKM7



Input: 24V DC
Typical Speed: 180rpm aft gear reduction
Max. Torque: 6Nm
With dual hall sensors
Recommend to use with DKC3



MGP1



Input: 12V DC
Rated Current: 6A
Rated Output Speed: 18rpm
Rated Torque: 14Nm
Duty Cycle: 10%
With dual hall sensors



Accessory

TXA



Wireless Receiver

Frequency: 2.4GHz RF
Operating Distance: 5m
Work with control box or Twinmat
Support emergency "All Down" function
Option: Memory function
Battery saving function



TBA



Bluetooth Adaptor

Frequency: Bluetooth
Operating Distance: 10m
Work with control box or Twinmat
Pair with iOS/Android devices
Bluetooth low energy (BLE) technology
Connect to 1 control
Support emergency "All Down" function
Option: Memory function



TX2A/TBA5



Wireless Receiver

Frequency: 2.4GHz RF(TX2A) or Bluetooth (TBA5)
Operating Distance: 5m
Work with relay-free system (actuator and power supply, without control box)
Connect to 1 control
Support emergency "All Down" function



TSW1



Switching Mode Power Supply (SMPS)

Input: 100~240V AC
Output: 29V DC, 2A
Output Over Current Protection: 5.0~7.0A (230V AC)
Protection Class: II
Duty Cycle: 10%
Standby Power Consumption: 0.3~0.4W
Certificate: ANSI/UL 1310, CAN/CSA-C22.2 No.223, EN60335-1, EN60335-2, EN62233, EN55014-1, EN55014-2, EN61000-3
Option: Fixing plate



TSW2



Switching Mode Power Supply (SMPS)

Input: 100~240V AC
Output: 29V DC, 2A
Output Over Current Protection: 5.0~7.0A (230V AC)
Protection Class: II
Duty Cycle: 10%
Standby Power Consumption: 0.3~0.4W
Certificate: ANSI/UL 1310, CAN/CSA-C22.2 No.223, EN60335-1, EN60335-2, EN62233, EN55014-1, EN55014-2, EN61000-3
Support emergency lowering function



TSW3



Switching Mode Power Supply (SMPS)

Input: 100~240V AC
Output: 29V DC, 3A
Output Over Current Protection: 7.0~9.0A (230V AC)
Protection Class: I
Duty Cycle: 10%
Standby Power Consumption: 0.3~0.4W
Option: Fixing plate



Accessory

TSW4



Switching Mode Power Supply (SMPS)

Input: 100~240V AC
Output: 29V DC, 1A
Output Over Current Protection: 4.0~5.0A (230V AC)
Protection Class: II
Duty Cycle: 10%
Standby Power Consumption: 0.3~0.4W
Certificate: ANSI/UL 1310, CAN/CSA-C22.2 No.223, EN60335-1, EN60335-2, EN62233, EN55014-1, EN55014-2, EN61000-3



ZB-B1800



Power Pack

Input Voltage: 24~32V DC
Input Current: 0.6~3.0A
Output Voltage: 21~29V DC
Output Current: 3.0A
Nominal voltage: 25.2A
Capacity: 1800mAH
Charge with SMPS



VM01



Massage Motor

Input: 24V DC
Current: 0.5A
Duty Cycle: 10%
Built-in thermal protection
Option: Mounting bracket



JB1



MoBus

Junction Box

Work with MoBus protocol
Allow 4 additional connections for accessories
IP Level: IPX5



JB2-M



MoBus

Junction Box

Work with MoBus protocol
Supports 2 membrane switches at the same time
Option: Customized membrane switches with different button definition



NL1



Nurse Lock

Max. Number of Buttons: 2
Lockable for max. 3 actuators



CAES**Double Switch**

Switch on/off actuator movement
IP Level: IPX5

**SP4 / SP5****Safety Plug**

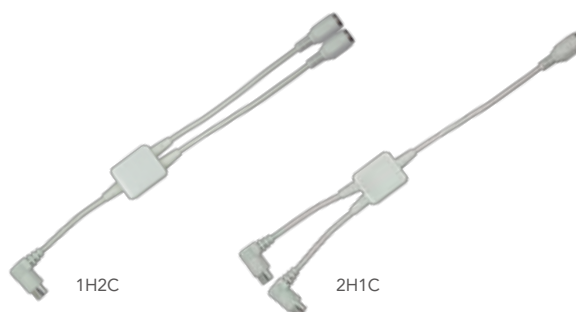
Option for control box or twinmat
Automatically cut-off AC power while no operation
Option: Color (black or gray)
Plug type (EU/US/UK)

**ACLB****AC Lock Box**

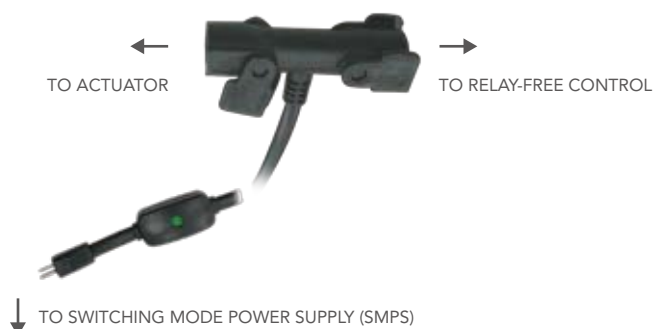
Input: 120 / 230V AC
Stand-by Power Consumption: 2VA
Max. Power Consumption: 414VA
IP Level: IP54 / IP65

**Y Cable**

Connection of additional handset or control box
Option: 2H1C: 2 handsets work with 1 control box
1H2C: 1 handset works with 2 control boxes

**T Connector**

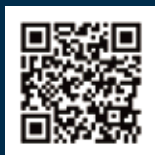
Connect SMPS to actuator and relay-free control
Option: DC power LED Indicator





The information contained in this publication has been carefully taken to ensure the accuracy. However, it is the responsibility of the product user to determine the suitability for a specific application. There is no liability can be accepted for any loss or damage whether direct, indirect or consequential occurring out of the operation.

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