

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, homeware, 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.



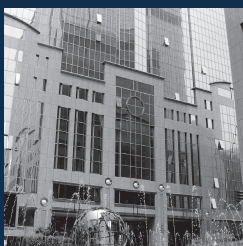
Advantage

- 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 icon. Below is describing the icon representing for each application sector and its typical examples.



Furniture Line

The icon indicates products designed for furniture applications with improved ergonomics or comforts such as intelligent furniture sets, adjustable home-living beds, and recliners...etc. Our systems can work with mobile phone application (Android/iOS).



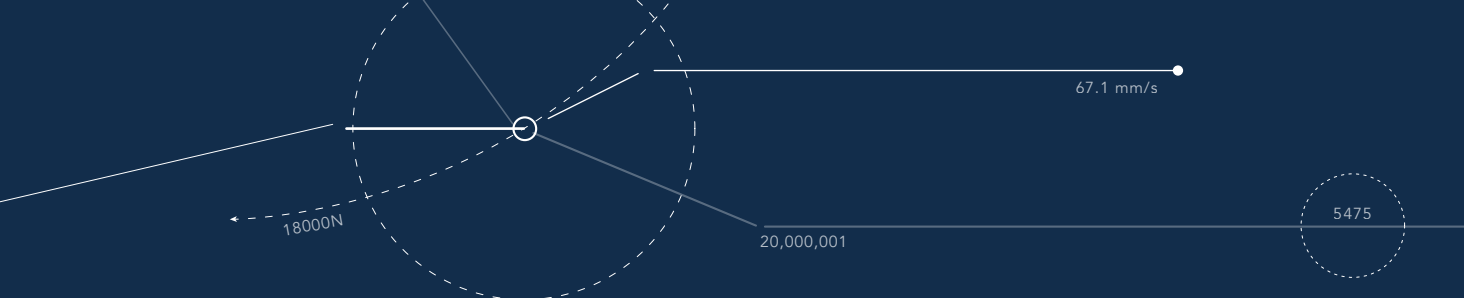
Office Line

The icon indicates products designed for sit/stand desks. Standing office is a new trend now, and intelligent lifting can generate a healthier environment, and guarantee better work efficiency.



Medical Care Line

The icon indicates products designed for medical and homecare applications helping patients and elder/disabled people who require assistance in their living activities, such as sit- to-stand patient lifts, nursing beds, power wheel chairs, and shower beds/chairs...etc.



Leisure & Recreation Line

The icon indicates products designed for leisure and recreation applications that can be applied in fitness industry, camper vans, and fitting bikes...etc.



Industrial Line

The icon indicates products designed for industrial automation such as process control equipment, conveyor systems, and skylight openers...etc. Both ball screw and ACME drive are available for customers to choose.



Outdoor Power Application Line

The icon indicates products designed for outdoor power applications that can be applied in sectors including gate/window openers, marine industry, mowers, off-road-vehicle, and fork lifts...etc.



Agricultural Line

The icon indicates products designed for agricultural applications that can be applied in harvesters, electric tractors, skid-steer loaders, and electric bucket loaders...etc.

Linear Actuator

FD10



Input: 24V DC
Max. Push Load: 1000N
Max. Pull Load: 500N
Typical Speed at No Load: 15.1mm/s
Stroke: 50~300mm
Duty Cycle: 10%

Min. Installation Dimension: 120mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU
Option: Hall effect sensor
 Mechanical push only extension tube
 PTC thermistor for thermal protection
 With direct-cut cable to work without control box



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
FD10-24SF4-XXX.XXX-XXXXX0X	1000	500	8.4	5.5	0.5	1.5
FD10-24SF6-XXX.XXX-XXXXX0X	1000	500	11.5	6.2	0.5	1.7
FD10-24SF8-XXX.XXX-XXXXX0X	500	500	15.1	9.8	0.5	1.3

FD20



Input: 24V DC
Max. Push Load: 2000N
Max. Pull Load: 2000N
Typical Speed at No Load: 33.3mm/s
Stroke: 50~300mm
Duty Cycle: 10%

Min. Installation Dimension: 135mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU, UL962
Option: Hall effect sensor
 Mechanical push only extension tube
 Mechanical brake
 With direct-cut cable to work without control box



Model No.	Max. Push/Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)	
			No load	Full load	No load	Full load
FD20-24-A3-XXX.XXX-CXX	2000	2000	4.3	3.3	0.3	2.0
FD20-24-A4-XXX.XXX-CXX	2000	1500	5.6	4.0	0.3	2.3
FD20-24-K3-XXX.XXX-CXX	2000	1500	8.3	4.7	0.3	2.5
FD20-24-K4-XXX.XXX-CXX	2000	1000	11.1	5.6	0.3	2.5
FD20-24-A8-XXX.XXX-CXX	1000	700	11.1	6.2	0.3	2.0
FD20-24-K8-XXX.XXX-CXX	1000	700	22.2	11.5	0.3	2.5
FD20-24-AC-XXX.XXX-CXX	1000	500	16.6	8.7	0.3	2.3
FD20-24-KC-XXX.XXX-CXX	500	300	33.3	21	0.3	2.0
FD20-24-N6-XXX.XXX-CXX	1500	1500	26.7	21.3	0.3	2.3
FD20-24-W6-XXX.XXX-CXX	1500	1500	48	28	0.3	2.5

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

FD40**Input:** 24V DC**Max. Push Load:** 4000N**Max. Pull Load:** 2000N**Typical Speed at No Load:** 30.3mm/s**Stroke:** 50~400mm**Duty Cycle:** 10%**Min. Installation Dimension:** 110mm+Stroke**Certificate:** CE, EMC Directive 2014/30/EU**Option:** Hall effect sensor

Mechanical push only extension tube

PTC thermistor for thermal protection

With direct-cut cable to work without control box

Enhanced motor



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
FD40-24DF3-XXX.XXX-XXXXX0X	2000	2000	6.1	3.5	0.2	2.5
FD40-24DF4-XXX.XXX-XXXXX0X	1500	1500	7.7	5.8	0.3	2.5
FD40-24DH4-XXX.XXX-XXXXX0X	500	500	15.2	12.9	0.3	1.5
FD40-24EF4-XXX.XXX-XXXXX0X	4000	2000	8.4	4.0	0.2	3.3
FD40-24EF6-XXX.XXX-XXXXX0X	3000	2000	11.9	6.3	0.2	3.3
FD40-24EF8-XXX.XXX-XXXXX0X	2500	2000	15.9	8.1	0.3	3.3
FD40-24EH8-XXX.XXX-XXXXX0X	1500	1500	30.3	14.3	0.4	3.3

MK33**Input:** 24V DC**Max. Push Load:** 6000N**Max. Pull Load:** 4000N**Typical Speed at No Load:** 4.2mm/s**Stroke:** 50~300mm**Duty Cycle:** 10%**Min. Installation Dimension:** 125mm+Stroke**Compliant with** CE, EMC Directive 2014/30/EU**Option:** Hall effect sensor

Mechanical push only extension tube

With direct-cut cable to work without control box



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
MK33-24DA4-XXX.XXX-X1-XX0X	6000	4000	4.2	2.9	0.6	2.8

Linear Actuator

FD60



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

Min. Installation Dimension: 160mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU, UL962
Option: Hall effect sensor
 Mechanical push only extension tube
 Mechanical brake
 With direct-cut cable to work without control box



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)			
				No load	Full load	No load		Full load	
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-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	5.6	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	5.6	2.8

FD61



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

Min. Installation Dimension: 150mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU, UL962
Option: Hall effect sensor
 Mechanical push only extension tube
 Mechanical brake
 With direct-cut cable to work without control box



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)			
				No load	Full load	No load		Full load	
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	0.8	0.4	6.0	3.0
FD61-XX-A8-XXX.XXX	3000	3000	2000	8.3	5.0	0.8	0.4	5.4	2.7
FD61-XX-AG-XXX.XXX	1500	1500	700	16.6	12.2	0.8	0.4	5.6	2.8
FD61-XX-KG-XXX.XXX	750	750	0	33.3	23.5	0.8	0.4	5.2	2.7

GD70

Input: 24V DC

Max. Push Load: 7000N

Max. Pull Load: 5000N

Typical Speed at No Load: 7.7mm/s

Stroke: 50~300mm

Duty Cycle: 10%

Min. Installation Dimension: 150mm+Stroke

Certificate: CE, EMC Directive 2014/30/EU, UL962

Option: Hall effect sensor

Mechanical push only extension tube

Mechanical brake



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)	
				No load	Full load	No load	Full load
GD70-24-A4-XXX.XXX	7000	5000	5000	3.9	2.9	0.3	2.8
GD70-24-A6-XXX.XXX	5000	4000	2500	5.8	4.2	0.3	2.8
GD70-24-A8-XXX.XXX	4000	3500	2000	7.7	5.7	0.3	3.2

Linear Actuator

BD21



Input: 24V DC
 Max. Push Load: 1500N
 Max. Pull Load: 1500N
 Typical Speed at No Load: 52mm/s
 Stroke: ≤333mm
 Duty Cycle: 10%

Retracted Length: ≥130mm
 Certificate: CE, EMC Directive 2014/30/EU, UL962
 With direct-cut cable to work without control box
 Option: Cable outlet from front or rear end
 There are 2 types of plastic units can be selected



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

BD23



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

Retracted Length: ≥133mm
 Certificate: CE, EMC Directive 2014/30/EU
 With direct-cut cable to work without control box
 Option: Cable outlet from front or rear end
 There are 3 types of plastic units can be selected



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
BD23-24-N4-XXX.XXX-X-X	1500	1000	25	23	0.6	2.3
BD23-24-W6-XXX.XXX-X-X	1500	1500	40	33	0.6	4.0

BD61

Input: 12 / 24V DC

Max. Push Load: 6000N

Max. Pull Load: 4000N

Typical Speed at No Load: 33.3mm/s

Stroke: 100~1000mm

Duty Cycle: 10%

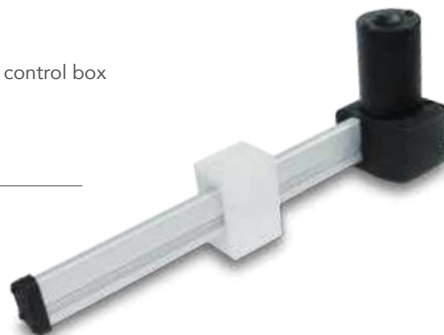
Retracted Length: $\geq 127\text{mm}$

Certificate: CE, EMC Directive 2014/30/EU

Option: Hall effect sensor

Mechanical brake

With direct-cut cable to work without control box



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)			
				No load	Full load	No load		Full load	
						12V	24V	12V	24V
BD61-XX-A4-XXX.XXX	6000	4000	5000	4.2	2.9	0.8	0.6	5.4	2.7
BD61-XX-F4-XXX.XXX	5000	4000	5000	5.5	4.4	0.8	0.6	5.6	2.8
BD61-XX-A6-XXX.XXX	4000	4000	2500	6.2	3.8	0.4	0.6	6.0	3.0
BD61-XX-A8-XXX.XXX	3000	3000	2000	8.3	5.0	0.6	0.6	5.4	2.7
BD61-XX-F8-XXX.XXX	3000	3000	2000	11.0	8.2	1.0	0.6	5.8	2.9
BD61-XX-AG-XXX.XXX	1500	1500	700	16.6	12.2	0.4	0.6	5.6	2.8
BD61-XX-KG-XXX.XXX	750	750	0	33.3	23.5	0.4	0.6	5.2	2.7

BD62

Input: 24V DC

Max. Push Load: 4000N

Max. Pull Load: 4000N

Typical Speed at No Load: 6.2mm/s

Stroke: 100~1000mm

Duty Cycle: 10%

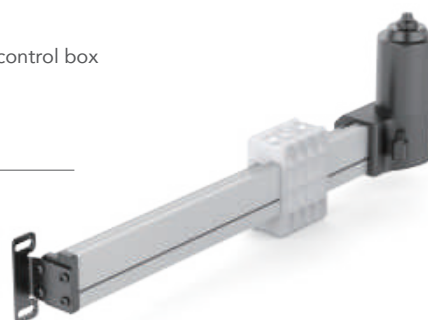
Retracted Length: $\geq 142\text{mm}$

Compliant with CE, EMC Directive 2014/30/EU

Option: Hall effect sensor

Mechanical brake

With direct-cut cable to work without control box



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)	
				No load	Full load	No load	Full load
BD62-XX-A6-XXX.XXX	3000	3000	3000	6.2	3.8	0.3	3.5

Linear Actuator

MK45



Input: 24V DC

Max. Push Load: 1000N

Max. Pull Load: 1000N

Typical Speed at No Load: 5.0mm/s

Stroke: 50 / 100 / 150 / 200 / 250 / 300mm

Duty Cycle: 10%

IP Level: IP65

Min. Installation Dimension: 245mm+Stroke

Compliant with CE, EMC Directive 2014/30/EU

Option: Mounting bracket



Model No.	Max. Push/Pull Load (N)	Gear Ratio	Typical Speed (mm/s)		Typical Current (A)	
			No load	Full load	No load	Full load
MK45	1000	57:1	5.0	3.5	0.15	0.7

LD10



Input: 12 / 24V DC

Max. Push Load: 1000N

Max. Pull Load: 1000N

Typical Speed at No Load: 18.0mm/s

Stroke: 50~300mm

Duty Cycle: 10%

Min. Installation Dimension: 256mm+Stroke

Certificate: CE, EMC Directive 2014/30/EU



Model No.	Max. Push/Pull Load (N)	Gear Ratio	Typical Speed (mm/s)		Typical Current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
LD10-XX-A6-16-XXX.XXX-CXX	1000	16:1	10	7	4.2	3.1	5.3	3.7
LD10-XX-A8-16-XXX.XXX-CXX	800	16:1	13	8	4.2	3.1	5.2	3.6
LD10-XX-AC-16-XXX.XXX-CXX	500	16:1	18	12	4.2	3.1	4.9	3.4

LD12**Input:** 12 / 24V DC**Max. Push Load:** 1500N**Max. Pull Load:** 1500N**Max. Static Load:** 1800N**Typical Speed at No Load:** 17.4mm/s**Stroke:** 50 / 100 / 150 / 200 / 250 / 300 / 350 / 400mm**Duty Cycle:** 10%**IP Level:** IP66 / IP69K**Min. Installation Dimension:** 183mm+Stroke**Certificate:** CE, EMC Directive 2014/30/EU**Material:** All stainless steel SUS304 /
Black coating steel case**Option:** Hall effect sensor
Mounting bracket

Model No.	Max. Push/Pull Load (N)	Gear Ratio	Typical Speed (mm/s)		Typical Current (A)			
			No load	Full load	No load		Full load	
LD12-XX19-M2-XXX.XXX	600	19:1	17.4	11.7	0.5	0.25	3.6	1.8
LD12-XX27-M2-XXX.XXX	1000	27:1	12.3	8.0	0.5	0.25	3.6	1.8
LD12-XX43-M2-XXX.XXX	1500	43:1	7.5	5.0	0.5	0.25	3.6	1.8
LD12-2457-K2-XXX.XXX	1500	57:1	3.5	2.3	N/A	0.2	N/A	0.8

LD2**Input:** 24V DC**Max. Push Load:** 800N**Max. Pull Load:** 800N**Typical Speed at No Load:** 18.0mm/s**Stroke:** 50 / 100 / 150 / 200 / 250 / 300mm**Duty Cycle:** 10%**IP Level:** IP43 / IP54**Min. Installation Dimension:** 109mm+Stroke**Certificate:** CE, EMC Directive 2014/30/EU**Option:** Clamp
Mounting bracket

Model No.	Max. Push/Pull Load (N)	Gear Ratio	Typical Speed (mm/s)		Typical Current (A)		Noise Level (dB)
			No load	Full load	No load	Full load	
LD2-24-30-E6-XXX-CXX	800	30:1	9.3	6.5	0.13	0.8	≤ 55
LD2-24-30-K6-XXX-CXX	800	30:1	18.0	14.1	0.4	1.6	≤ 70

Linear Actuator

LD3



Input: 12 / 24V DC
Max. Push Load: 1000N
Max. Pull Load: 1000N
Max. Static Load: 2500N
Typical Speed at No Load: 43.9mm/s
Stroke: 50 / 100 / 150 / 200 / 250 / 300mm
Duty Cycle: 25%

IP Level: IP54 / IP65
Min. Installation Dimension: 108mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU (for LD3 only)
 MDD Directive 93/42/EEC (for LD3M only)
Option: Hall effect sensor
 Potentiometer
 Clamp
 Mounting bracket
 Quiet version (LD3Q)
 Medical version (LD3M)



WITH HALL
EFFECT SENSOR



WITH
POTENTIOMETER

Model No.	Max. Push/Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)				Noise Level (dB)
			No load	Full load	No load		Full load		
					12V	24V	12V	24V	
LD3(M)-XX-05-K3-XXX	150	2500	43.9	36.5	0.6	1.2	1.6	3.2	≤ 70
LD3(M)-XX-10-K3-XXX	250	2500	27.6	23.5	0.6	1.2	1.6	3.2	≤ 70
LD3(M)-XX-20-K3-XXX	500	2500	14.6	12.3	0.6	1.2	1.6	3.2	≤ 70
LD3(M)-XX-30-K3-XXX	800	2500	9.5	7.5	0.6	1.2	1.6	3.2	≤ 70
LD3(M)-XX-40-K3-XXX	1000	2500	7.0	5.5	0.6	1.2	1.6	3.2	≤ 70
LD3Q-XX-20-D3-XXX	500	2500	5.8	3.9	0.1	0.2	0.5	1.0	≤ 55
LD3Q-XX-30-D3-XXX	800	2500	3.8	2.6	0.1	0.2	0.6	1.2	≤ 55

LD3L



Input: 24~33V DC
Max. Push Load: 1000N
Max. Pull Load: 1000N
Typical Speed at No Load: 20.7mm/s
Stroke: 100 / 150 / 200 / 250 / 300mm
Duty Cycle: 80%

Min. Installation Dimension: Stroke x 1.02+107mm
Compliant with CE, EMC Directive 2014/30/EU



Model No.	Max. Push/Pull Load (N)	Gear Ratio	Typical Speed (mm/s)		Typical Current (A)	
			No load	Full load	No load	Full load
LD3L-2433-10-XXX-XXX00XX	250	10:1	20.7	17.5	0.4	1.3
LD3L-2433-40-XXX-XXX00XX	1000	40:1	5.7	5.1	0.3	1.3

LD36**Input:** 12 / 24V DC**Max. Push Load:** 1000N**Max. Pull Load:** 1000N**Typical Speed at No Load:** 45.5mm/s**Stroke:** 50 / 100 / 150 / 200 / 250 / 300mm**Duty Cycle:** 20%**IP Level:** IP66 / IP69K**Min. Installation Dimension:** 108mm+Stroke**Certificate:** CE, EMC Directive 2014/30/EU**Option:** Hall effect sensor

Potentiometer

Mounting bracket



Model No.	Max. Push/Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)			
			No load		No load		Full load	
			12V	24V	12V	24V	12V	24V
LD36-XX-05-XXX-XXXXX	150	250	45.5	30.8	1.0	0.5	2.4	1.2
LD36-XX-10-XXX-XXXXX	250	340	27.7	16.8	1.0	0.5	2.4	1.2
LD36-XX-20-XXX-XXXXX	500	680	15.6	9.5	1.0	0.6	2.4	1.2
LD36-XX-30-XXX-XXXXX	800	1020	9.9	6.3	1.0	0.5	2.4	1.2
LD36-XX-40-XXX-XXXXX	1000	1530	7.3	4.6	1.0	0.5	2.4	1.2

LD20**Input:** 12 / 24V DC**Max. Push Load:** 2500N**Max. Pull Load:** 2500N**Typical Speed at No Load:** 27.0mm/s**Stroke:** 100 / 150 / 200 / 250 / 300mm**Duty Cycle:** 25%**IP Level:** IP65**Min. Installation Dimension:** 105mm+Stroke**Certificate:** CE, EMC Directive 2014/30/EU,
MDD Directive 93/42/EEC (for LD20M only)**Option:** Hall effect sensor

Potentiometer

Mounting bracket

Medical version (LD20M)



Model No.	Max. Push/Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)				Typical Current (A)			
			No load		Full load		No load		Full load	
			12V	24V	12V	24V	12V	24V	12V	24V
LD20-XX-10-G4-XXX	500	1500	26.8	27.0	18.6	18.7	1.3	0.6	4.4	2.4
LD20-XX-20-G4-XXX	1000	4500	14.7	15.1	10.4	10.7	1.1	0.5	4.6	2.3
LD20-XX-30-G4-XXX	1500	4500	9.9	10.3	6.8	7.2	1.0	0.6	4.3	2.3
LD20-XX-40-G4-XXX	2000	4500	7.4	7.6	5.1	5.7	1.0	0.6	4.5	2.0
LD20-XX-50-G4-XXX	2500	4500	6.2	6.1	4.4	4.4	0.9	0.5	4.1	2.2

Linear Actuator

LD40



Input: 12 / 24V DC

Max. Dynamic Load: 3000N (ACME)
4000N (Ball Screw)

Max. Static Load: 4000N (ACME)
6000N (Ball Screw)

Typical Speed at No Load: 20.5mm/s

Stroke: 100 / 150 / 200 / 250 / 300 /
350 / 400mm

Duty Cycle: 10%

IP Level: IP54

Min. Installation Dimension: 153mm+Stroke

Certificate: CE, EMC Directive 2014/30/EU

ACME type or Ball Screw type

Friction Clutch: Only for abnormal condition

Option: Anodized black or Aluminum gray outer tube

External reed sensor (NC type)

Motor orientation



Model No.	Max. Push/ Pull Load (N)	Gear Ratio	Typical Speed (mm/s)		Typical Current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
LD40-XX-25F4B-XXX.XXX-11-XX0XX	4000	25:1	10.5	8	2	1	10.5	5.3
LD40-XX-12F4B-XXX.XXX-11-XX0XX	2000	12.5:1	20.5	16.3	1.9	1	11.3	5.6
LD40-XX-25F4A-XXX.XXX-11-XX0XX	3000	25:1	9.5	6.2	2.5	1.3	15.5	7.3

LD60



Input: 24V DC

Max. Push Load: 6000N

Max. Pull Load: 6000N

Typical Speed at No Load: 8.4mm/s

Stroke: 100~400mm

Duty Cycle: 10%

Min. Installation Dimension: 190mm+Stroke

Compliant with CE, EMC Directive 2014/30/EU
and MDD Directive 93/42/EEC

Aluminum alloy outer tube and gearbox

Option: Black color outer tube and gearbox

Bare Screw Nut



ALUMINUM
ALLOY



ANODIZE
BLACK



WITHOUT
INNER&OUTER TUBES

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
LD60-24K4-XXX.XXX-XX000X	6000	6000	5.5	3.9	0.4	5.1
LD60-24K6-XXX.XXX-XX000X	6000	6000	8.4	4.9	0.6	7.0

MD10**Input:** 24V DC**Max. Push Load:** 1000N**Max. Pull Load:** 1000N**Typical Speed at No Load:** 36mm/s**Stroke:** 50~300mm**Duty Cycle:** 10%**IP Level:** IPX5**Min. Installation Dimension:** 120mm+Stroke**Certificate:** CE, MDD Directive 93/42/EEC**Option:** Hall effect sensor

Mechanical push only extension tube

PTC thermistor for thermal protection



Model No.	Max. Push/ Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)		Noise Level (dB)
		No load	Full load	No load	Full load	
MD10-24F4-XXX.XXX-XXXXXX0X	1000	5.1	2.8	0.8	1.1	≤48
MD10-24R4-XXX.XXX-XXXXXX0X	1000	7.2	4.5	1.0	1.8	≤50
MD10-24F8-XXX.XXX-XXXXXX0X	750	10.1	4.3	0.8	1.4	≤48
MD10-24R8-XXX.XXX-XXXXXX0X	750	14.2	8.4	1.0	2.1	≤50
MD10-24FC-XXX.XXX-XXXXXX0X	500	15.1	7.4	0.8	1.3	≤48
MD10-24L8-XXX.XXX-XXXXXX0X	500	18.6	14.8	1.2	2.0	≤52
MD10-24RC-XXX.XXX-XXXXXX0X	500	21.6	13.9	1.0	1.8	≤50
MD10-24LC-XXX.XXX-XXXXXX0X	400	27.5	20	1.2	2.1	≤52
MD10-24LG-XXX.XXX-XXXXXX0X	250	36	29.3	1.2	1.9	≤52

MD21**Input:** 24V DC**Max. Push Load:** 2500N**Max. Pull Load:** 2500N**Typical Speed at No Load:** 20.1mm/s**Stroke:** 100~400mm**Duty Cycle:** 10%**IP Level:** IPX5**Min. Installation Dimension:** 135mm+Stroke**Certificate:** CE, MDD Directive 93/42/EEC,
EMC Directive 2014/30/EU**Option:** Hall effect sensor

Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
MD21-24N3-XXX.XXX-XXX00XX	2500	5.2	4.1	0.4	2.0
MD21-24N4-XXX.XXX-XXX00XX	2500	7.0	5.1	0.4	2.3
MD21-24N6-XXX.XXX-XXX00XX	2000	9.7	7.4	0.4	2.6
MD21-24N8-XXX.XXX-XXX00XX	1500	14.1	9.8	0.4	2.9
MD21-24NC-XXX.XXX-XXX00XX	1000	20.1	15.1	0.7	2.6

Linear Actuator

MK32



Input: 24V DC

Max. Push Load: 3500N

Max. Pull Load: 3500N

Typical Speed at No Load: 28.0mm/s

Stroke: 50~600mm

Duty Cycle: 10%

IP Level: IP66

Min. Installation Dimension: 114mm+Stroke

Compliant with CE, EMC Directive 2014/30/EU,
MDD Directive 93/42/EEC

Option: Hall effect sensor
Safety nut (in push direction)



Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
MK32-24T4-XXX.XXX	3500	11.5	6.0	1.1	6.5
MK32-24N8-XXX.XXX	2500	20	7.8	1.0	6.2
MK32-24NC-XXX.XXX	1500	28	13.8	1.1	5.5

MKT1



Input: 24V DC

Max. Push Load: 3000N

Max. Pull Load: 3000N

Typical Speed at No Load: 15.5mm/s

Stroke: 48~600mm

Duty Cycle: 10%

Min. Installation Dimension: 232mm+Stroke

Compliant with CE, MDD Directive 93/42/EEC



Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
MKT1	3000	15.5	8.3	1.0	7.5

MD50

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

Min. Installation Dimension: 137mm+Stroke
 Certificate: CE, MDD Directive 93/42/EEC
 Option: Mechanical push only extension tube



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
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
 Typical Speed at No Load: 11.4mm/s
 Stroke: 100~600mm
 Duty Cycle: 10%

IP Level: IP66
 Min. Installation Dimension: 141mm+Stroke
 Certificate: CE, MDD Directive 93/42/EEC
 Option: Mechanical push only extension tube



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
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

Linear Actuator

MD52



Input: 24V DC
Max. Push Load: 1000N
Max. Pull Load: 1000N
Typical 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
Option: Bellow protection (100mm stroke only)
 Potentiometer



BELLOW PROTECTION

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
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
Typical Speed at No Load: 10.5mm/s
Stroke: 100~300mm
Duty Cycle: 10%

Min. Installation Dimension: 167mm+Stroke
Option: Potentiometer



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Input Voltage (V DC)	Typical Speed (mm/s)		Typical Current (A)	
				No load	Full load	No load	Full load
MD53-24-XXX.XXX-CXX	3500	2000	24	10.5	8.5	1.0	4.5
MD53-36-XXX.XXX-CXX	3500	2000	36	10.5	8.5	0.8	3.5

MD56

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

IP Level: IPX6
 Min. Installation Dimension: 156mm+Stroke
 Certificate: CE, MDD Directive 93/42/EEC
 Motor orientation can be adjusted in every 30°
 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)	
			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: 24V DC
 Max. Push Load: 4000N
 Max. Pull Load: 4000N
 Typical Speed at No Load: 12.6mm/s
 Stroke: 50~300mm
 Duty Cycle: 10%

Min. Installation Dimension: 143mm+Stroke
 Certificate: CE, MDD 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

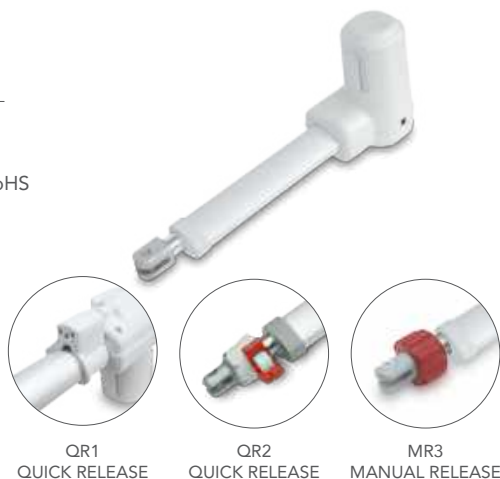
Linear Actuator

MD60



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

IP Level: IPX4 / IPX6
Min. Installation Dimension: 155mm+Stroke
Certificate: CE, MDD Directive 93/42/EEC, RoHS
Option: Hall effect sensor
Mechanical push only extension tube
Safety nut (in push direction)
QR1 quick release
QR2 quick release
MR3 manual 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
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
MD60-24-A8-XXX.XXX-CXX-QR1	3000	3000	7.6	6.3	0.5	2.5
MD60-24-AC-XXX.XXX-CXX-QR1	2000	2000	11.5	9.3	0.5	2.5

MD62



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

IP Level: IPX4, IPX6
Min. Installation Dimension: 160mm+Stroke
Certificate: CE, MDD Directive 93/42/EEC
Option: Hall effect sensor
Mechanical push only extension tube
Safety nut (in push direction)
Mechanical brake (in push direction)



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)	
				No load	Full load	No load	Full load
MD62-24-A4-XXX.XXX	6000	4000	5000	4.2	2.9	0.6	2.7
MD62-24-A6-XXX.XXX	4000	4000	2500	6.2	3.8	0.6	3.0
MD62-24-A8-XXX.XXX	3000	3000	2000	8.3	5.0	0.6	2.7
MD62-24-AG-XXX.XXX	1500	1500	700	16.6	12.2	0.6	2.8
MD62-24-F4-XXX.XXX	5000	4000	5000	5.5	4.4	0.6	2.8
MD62-24-F8-XXX.XXX	3000	3000	2000	11.0	8.2	0.6	2.9

MD66

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

IP Level: IPX5
 Min. Installation Dimension: 160mm+Stroke
 Certificate: CE, MDD Directive 93/42/EEC
 Option: Hall effect sensor
 Mechanical push only extension tube
 Safety nut (in push direction)
 Mechanical brake



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)	
				No load	Full load	No load	Full load
MD66-24-A4-XXX.XXX	6000	4000	5000	4.2	2.9	0.6	2.7
MD66-24-A6-XXX.XXX	4000	4000	2500	6.2	3.8	0.6	3.0
MD66-24-A8-XXX.XXX	3000	3000	2000	8.3	5.0	0.6	2.7
MD66-24-AG-XXX.XXX	1500	1500	700	16.6	12.2	0.6	2.8
MD66-24-F4-XXX.XXX	5000	4000	5000	5.5	4.4	0.6	2.8
MD66-24-F8-XXX.XXX	3000	3000	2000	11.0	8.2	0.6	2.9

MD7

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

IP Level: IP54
 Min. Installation Dimension: 160mm+Stroke
 Certificate: CE, MDD Directive 93/42/EEC
 Option: Hall effect sensor
 Mechanical push only extension tube
 Safety nut (in push direction)
 Mechanical brake



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)			
				No load	Full load	No load		Full load	
						12V	24V	12V	24V
MD7-XX-A4-XXX.XXX	6000	4000	5000	4.2	2.9	1.2	0.6	5.4	2.7
MD7-XX-A6-XXX.XXX	4000	4000	2500	6.2	3.8	1.2	0.6	6.0	3.0
MD7-XX-A8-XXX.XXX	3000	3000	2000	8.3	5.0	1.2	0.6	5.4	2.7
MD7-XX-AG-XXX.XXX	1500	1500	700	16.6	12.2	1.2	0.6	5.6	2.8
MD7-XX-F4-XXX.XXX	5000	4000	5000	5.5	4.4	1.2	0.6	5.6	2.8
MD7-XX-F8-XXX.XXX	3000	3000	2000	11.0	8.2	1.2	0.6	5.8	2.9

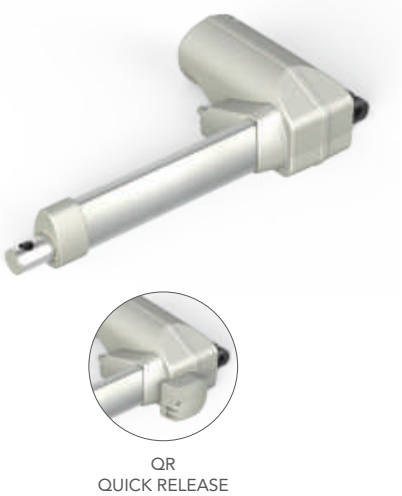
Linear Actuator

MK31



Input: 24V DC
Max. Push Load: 8000N
Max. Pull Load: 4000N
Typical Speed at No Load: 6.8mm/s
Stroke: 50~300mm
Duty Cycle: 10%

IP Level: IPX6
Min. Installation Dimension: 170mm+Stroke
Compliant with CE, MDD Directive 93/42/EEC
Option: Hall effect sensor (For Standard version only)
Mechanical quick release (For QR version only)
Safety nut (in push direction)



QR
QUICK RELEASE

Version	Max. Push Load (N)	Max. Pull Load (N)	Self-locking ability (N)	Typical Speed (mm/s)		Typical Current (A)	
				No load	Full load	No load	Full load
MK31-HT	8000	4000	8000	6.8	4.0	1.0	6.0
MK31-Standard	6000	4000	6000	4.5	2.8	0.4	3.5
MK31-QR	4000	2000	4000	6.8	4.9	0.4	3.5

MK34



Input: 24V DC
Max. Push Load: 6000N
Max. Pull Load: 4000N
Typical Speed at No Load: 4.2mm/s
Stroke: 50~300mm
Duty Cycle: 10%

IP Level: IPX6
Min. Installation Dimension: 125mm+Stroke
Compliant with CE, EMC Directive 2014/30/EU
Option: Hall effect sensor
Mechanical push only extension tube



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
MK34-24DA4-XXX.XXX-XX-XX0X	6000	4000	4.2	2.9	0.6	2.8

MD80

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

IP Level: IPX4 / IPX5
 Min. Installation Dimension: 180mm+Stroke
 Certificate: CE, MDD Directive 93/42/EEC
 Option: Mechanical push only extension tube
 Safety Nut (in push direction)
 QR2 Quick Release
 MR3 Manual Release

MR3
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
MD80-24DA4-XXX.XXX-XXX0XX	8000	6000	4.2	3.3	0.6	5.5
MD80-24DA6-XXX.XXX-XXX0XX	8000	6000	6.2	4.6	0.6	6.0
MD80-24DA8-XXX.XXX-XXX0XX	8000	6000	8.1	5.9	0.6	6.5
MD80-24DK8-XXX.XXX-XXX0XX	3000	3000	16.6	11.8	1.0	5.5

MD80M

Max. Push Load: 8000N
 Max. Pull Load: 6000N
 Typical Speed at No Load: 16.6mm/s
 Input: 110 / 230V AC
 Power Supply: 24V/8A Toroidal transformer
 Output Voltage: 24V DC
 Number of Control: 1
 Number of Additional Actuator: 2
 Stroke: 50~400mm
 Duty Cycle: 10%

IP Level: IPX4 / IPX5
 Min. Installation Dimension: 180mm+Stroke
 Certificate: CE, MDD Directive 93/42/EEC
 Integrate with control unit and power supply
 Option: Mechanical push only extension tube
 Safety nut (in push direction)



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
MD80M-24A4-XXX.XXX-XXX0XXX	8000	6000	4.2	3.3	0.6	5.0
MD80M-24A6-XXX.XXX-XXX0XXX	8000	6000	6.2	4.6	0.6	6.0
MD80M-24A8-XXX.XXX-XXX0XXX	8000	6000	8.1	5.9	0.6	6.7
MD80M-24K8-XXX.XXX-XXX0XXX	3000	3000	16.6	11.8	1.0	5.0

Linear Actuator

MD82



Input: 24V DC
Max. Push Load: 8000N
Max. Pull Load: 6000N
Typical Speed at No Load: 8.1mm/s
Stroke: 50~400mm
Duty Cycle: 10%

IP Level: IPX4 / IPX6
Min. Installation Dimension: 177mm+Stroke
Certificate: CE, MDD Directive 93/42/EEC
Option: Hall effect sensor
Mechanical push only extension tube
Safety nut (in push direction)
MR3 manual release



MR3
MANUAL 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
MD82-24DA4-XXX.XXX-XXXXX0XX	8000	6000	4.1	3.1	0.6	4.2
MD82-24DA6-XXX.XXX-XXXXX0XX	8000	6000	6.0	3.9	0.6	5.4
MD82-24DA8-XXX.XXX-XXXXX0XX	8000	6000	8.2	4.8	0.6	6.3

MD100



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

IP Level: IPX4 / IPX6
Min. Installation Dimension: 210mm+Stroke
Certificate: CE, MDD Directive 93/42/EEC, UL 60601
Option: Mechanical push only extension tube
Safety nut (in push direction)
QR2 quick release
MR3 manual release



QR2
QUICK RELEASE



MR3
MANUAL 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
MD100-24DC-XXX.XXX-XXX0XXX	10000	6000	7.0	5.2	1.0	7.0
MD100-24FC-XXX.XXX-XXX0XXX	10000	6000	9.0	6.7	1.0	8.2

MD120

Input: 24V DC

Max. Push Load: 12000N

Max. Pull Load: 6000N

Typical Speed at No Load: 6.9mm/s

Stroke: 100~400mm

Duty Cycle: 10%

IP Level: IPX4 / IPX6

Min. Installation Dimension: 230mm+Stroke

Certificate: CE, MDD Directive 93/42/EEC

Option: Hall effect sensor

Mechanical push only extension tube

Electrical push only function

MR3 manual release



MR3
MANUAL 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
MD120-24E8-XXX.XXX-XXX0XXX	12000	6000	6.3	4.4	0.6	6.6
MD120-24F8-XXX.XXX-XXX0XXX	12000	6000	6.9	5.2	0.9	7.5

Linear Actuator

ID10



Input: 12 / 24 / 48V DC

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

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

Typical Speed at No Load: 72.1mm/s

Stroke: 102 / 153 / 203 / 254 / 305 /
457 / 610mm

Duty Cycle: 25%

IP Level: IP54 / IP65

Min. Installation Dimension: 160mm+Stroke

Certificate: CE, EMC Directive 2014/30/EU

ACME type or Ball Screw type

Overload protection by clutch

Option: Hall effect sensor / Potentiometer /

Preset limit switches / Manual drive socket /

Overheat protection / Mounting bracket /



WITH POTENTIOMETER

Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)						Typical Current (A)					
		No load			Full load			No load			Full load		
		12V	24V	48V	12V	24V	48V	12V	24V	48V	12V	24V	48V
ID10-XX-10-A	1500	33.5	33.5	36.5	26.7	26.7	29.1	2.6	1.6	1.4	17.6	8.8	3.6
ID10-XX-20-A	2500	16.8	16.8	17.8	14.3	14.3	15.3	2.6	1.6	0.8	13.2	6.6	2.4
ID10-XX-40-A	3500	8.4	8.4	8.6	7.4	7.4	7.8	2.6	1.6	0.5	11.0	5.5	2.1
ID10-XX-05-B	2500	67.1	67.1	72.1	47.2	47.2	57.5	3.4	2.6	0.5	26.4	13.2	5.5
ID10-XX-10-B	3500	33.5	33.5	36.5	26.7	26.7	29.1	2.6	1.6	0.5	17.6	8.8	3.6
ID10-XX-20-B	4500	16.8	16.8	17.8	14.3	14.3	15.3	2.6	1.6	0.5	13.2	6.6	2.4
ID10-XX-30-B	6000	11.2	11.2	11.7	9.8	9.8	10.3	2.6	1.6	0.5	12.1	6.1	2.5
ID10-XX-40-B	7000	8.4	8.4	8.6	7.4	7.4	7.8	2.6	1.6	0.5	11.0	5.5	2.1

ID10BT



Input: 24V DC

Max. Rated Load: 1000N

Max. Static Load: 1500N

Typical Speed at No Load: 72.0mm/s

Stroke: 102 / 153 / 203 / 254 / 305 /
457mm

Duty Cycle: 25%

IP Level: IP54 / IP65

Min. Installation Dimension: 160mm+Stroke

Compliant with EMC Directive 2014/30/EU

ACME type spindle



Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
ID10BT	1000	72	53	1.8	10

ID10P**Input:** 24V DC**Max. Rated Load:** 12500N (Ball Screw)**Max. Static Load:** 13600N (Ball Screw)**Typical Speed at No Load:** 20mm/s**Stroke:** 102 / 203 / 305mm**Duty Cycle:** 10%**IP Level:** IP67 / IP69K**Min. Installation Dimension:** 398mm+Stroke**Compliant with** CE, EMC Directive 2014/30/EU**Ball Screw type****Overload protection by clutch****Option:** Potentiometer

Mounting bracket



Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
ID10P-2420B-XXX-XXX000X	9000	20	15.5	1.8	11
ID10P-2430B-XXX-XXX000X	12500	14	10.5	1.5	11.5

ID11**Input:** 12 / 24 / 48V DC**Max. Rated Load:** 3500N (ACME)
7000N (Ball Screw)**Max. Static Load:** 4500N (ACME)
13600N (Ball Screw)**Typical Speed at No Load:** 72.1mm/s**Stroke:** 102 / 153 / 203 / 254 / 305 /
457 / 610mm**Duty Cycle:** 25%**IP Level:** IP54 / IP65**Min. Installation Dimension:** 217mm+Stroke**Certificate:** CE, EMC Directive 2014/30/EU**ACME type or Ball Screw type****Bottom cable outlet****Option:** Side cable outlet

Mounting bracket



Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)						Typical Current (A)					
		No load			Full load			No load			Full load		
		12V	24V	48V	12V	24V	48V	12V	24V	48V	12V	24V	48V
ID11-XX-10-A-XXX	1500	33.5	33.5	36.5	26.7	26.7	29.1	2.6	1.6	1.4	17.6	8.8	3.6
ID11-XX-20-A-XXX	2500	16.8	16.8	17.8	14.3	14.3	15.3	2.6	1.6	0.8	13.2	6.6	2.4
ID11-XX-40-A-XXX	3500	8.4	8.4	8.6	7.4	7.4	7.8	2.6	1.6	0.5	11.0	5.5	2.1
ID11-XX-10-B-XXX	3500	33.5	33.5	36.5	26.7	26.7	29.1	2.6	1.6	0.5	17.6	8.8	3.6
ID11-XX-20-B-XXX	4500	16.8	16.8	17.8	14.3	14.3	15.3	2.6	1.6	0.5	13.2	6.6	2.4
ID11-XX-30-B-XXX	6000	11.2	11.2	11.7	9.8	9.8	10.3	2.6	1.6	0.5	12.1	6.1	2.5
ID11-XX-40-B-XXX	7000	8.4	8.4	8.6	7.4	7.4	7.8	2.6	1.6	0.5	11.0	5.5	2.1

Linear Actuator

ID12



Input: 12 / 24 / 48V DC

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

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

Typical Speed at No Load: 72.1mm/s

Stroke: 100 / 150 / 200 / 300 / 450 /
600mm

Duty Cycle: 25%

IP Level: IP66 / IP69K

Min. Installation Dimension: 166mm+Stroke

Certificate: CE, EMC Directive 2014/30/EU

ACME type or Ball Screw type

Overload protection by clutch

Option: Hall effect sensor

Potentiometer

Preset limit switches

External adjustable reed switch

Manual drive socket

Mounting bracket



EXTERNAL ADJUSTABLE
REED SWITCH

Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)						Typical Current (A)					
		No load			Full load			No load			Full load		
		12V	24V	48V	12V	24V	48V	12V	24V	48V	12V	24V	48V
ID12-XX-10-A-XXX	1500	33.5	33.5	36.5	26.7	26.7	29.1	2.6	1.6	1.4	17.6	8.8	3.6
ID12-XX-20-A-XXX	2500	16.8	16.8	17.8	14.3	14.3	15.3	2.6	1.6	0.8	13.2	6.6	2.4
ID12-XX-40-A-XXX	3500	8.4	8.4	8.6	7.4	7.4	7.8	2.6	1.6	0.5	11.0	5.5	2.1
ID12-XX-05-B-XXX	2500	67.1	67.1	72.1	47.2	47.2	57.5	3.4	2.6	0.5	26.4	13.2	5.5
ID12-XX-10-B-XXX	3500	33.5	33.5	36.5	26.7	26.7	29.1	2.6	1.6	0.5	17.6	8.8	3.6
ID12-XX-20-B-XXX	4500	16.8	16.8	17.8	14.3	14.3	15.3	2.6	1.6	0.5	13.2	6.6	2.4
ID12-XX-30-B-XXX	6000	11.2	11.2	11.7	9.8	9.8	10.3	2.6	1.6	0.5	12.1	6.1	2.5
ID12-XX-40-B-XXX	7000	8.4	8.4	8.6	7.4	7.4	7.8	2.6	1.6	0.5	11.0	5.5	2.1

IA5



Input: 115 / 230V AC

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

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

Typical Speed at No Load: 52.8mm/s

Stroke: 102 / 153 / 203 / 254 / 305 /
457 / 610mm

Duty Cycle: 25%

IP Level: IP54 / IP65

Min. Installation Dimension: 160mm+Stroke

Certificate: UL 1004-1, CE, EMC Directive 2014/30/EU

ACME type or Ball Screw type

Overload protection by clutch

Option: Potentiometer

Preset limit switches



WITH POTENTIOMETER

Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)				Typical 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

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

MK35**SAE J1939 Can bus****Input:** 12 / 24V DC**Max. Rated Load:** 10000N (push/pull)**Typical Speed at No Load:** 40mm/s**Stroke:** 100~1000mm**Duty Cycle:** Refer to Performance Data**IP Level:** IP66 (dynamic) / IP67, IP69K (static)**Min. Installation Dimension:** 190mm+Stroke**Operating Temperature:** -40°C~+80°C**Compliant with CE, EMC Directive 2014/30/EU, RoHS****Ball Screw type****Manual drive capable by a hex socket wrench****Electronic overload protection****Operating voltage and temperature detection****Soft start / stop****Adjustable speed using PWM**

Model No.	Max. Push/Pull Load (N)	Duty cycle (%)	Typical Speed (mm/s)		Typical Current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
MK35-XX10B	2600	25	40	32	3.0	1.5	18	9
MK35-XX15B	4500	25	24	19	3.0	1.5	18	9
MK35-XX20B	6800	25	18	14	3.0	1.5	20	10
MK35-XX30B	10000	15	11	9	3.0	1.5	18	9

ID10S**Input:** 12 / 24V DC**Max. Rated Load:** 4500N (ACME)
7000N (Ball Screw)**Max. Static Load:** 13600N (ACME)
17100N (Ball Screw)**Typical Speed at No Load:** 5.5mm/s**Stroke:** 450 / 600 / 900mm**Duty Cycle:** 25%**IP Level:** IP65**Min. Installation Dimension:** 314mm+Stroke**Certificate:** CE, EMC Directive 2014/30/EU**ACME type or Ball Screw type****Overload protection by clutch****Option:** Hall effect sensor

Reed sensor

Potentiometer

Stainless steel extension tube

Aluminum back cover



Model No.	Max. Dynamic Load (N)	Typical Speed (mm/s)		Typical 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	5.5	4.4	1.8	0.9	7.8	3.9

Linear Actuator

ID16



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

IP Level: IP65
Min. Installation Dimension: 363mm+Stroke
Certificate: CE, EMC Directive 2014/30/EU
ACME type spindle
Option: Hall effect sensor
 Reed sensor
 Potentiometer



Model No.	Max. Push/Pull Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
ID16-24D5AXXX-XXXX0XX	5500	3.3	2.6	0.5	2.3

ID18



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

IP Level: IP65
Customized clamp or trunnion
Certificate: CE, EMC Directive 2014/30/EU
Option: Hall effect sensor
 Reed sensor
 Potentiometer



TRUNNION
MOUNT

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

SW12**Swing Gate Series - Actuator Type**

Max. Leaf Length: 1.75m

Max. Leaf Weight: 150kg

Input: 12V DC

IP Level: IP44

Duty Cycle: 20%

Operating Temperature: -20°C~+60°C

**SW42****Swing Gate Series - Actuator Type**

Max. Leaf Length: 2m

Max. Leaf Weight: 200kg

Input: 12V DC

IP Level: IP44

Duty Cycle: 20%

Operating Temperature: -20°C~+60°C



Control Box

T Control



Input: 100 / 120 / 230 / 100~240V AC
Output: 24V DC
Power Supply: 24V/3A EI transformer or 29V/2A SMPS
Number of Actuator: 1~3
Number of Control: 1
Duty Cycle: 10%
Protection Class: II
Certificate: UL1310, PSE, C-Tick, RoHS, CE,
EMC Directive 2014/30/EU,
LVD Directive 2014/35/EU,
EMF EN62233, IEC60068, ISTA
Emergency lowering function with backup batteries
Can be mounted on FD60
Option: Built-in SMPS



FD60+T CONTROL

CBT2



Input: 100 / 120 / 230 / 100~240V AC
Output: 24V DC
Power Supply: 24V/2A EI transformer or 29V/2A SMPS
Number of Actuator: 1~3
Number of Control: 1
Duty Cycle: 10%
Protection Class: I / II
Certificate: CE, EMC Directive 2014/30/EU,
LVD Directive 2014/35/EU
Emergency lowering function with backup batteries
Can be mounted on FD60
Detachable AC power cord
Option: Built-in SMPS
Color (black or RAL7001)



CBTR



Input: 100~240V AC
Max. Output: 29V DC
Power Supply: 29V/2A SMPS
Number of Actuator: 1~2
Number of Control: 1
Duty Cycle: 10%
Protection Class: II
Compliant with CE, EMC Directive 2014/30/EU
Support memory function
Can be mounted on FD60
Detachable AC power cord
Option: Built-in SMPS
Color (black or RAL7001)



CB3T

Input: 120 / 230 / 100~240V AC

Output: 24V DC

Power Supply: 24V/3A EI transformer,
24V/4A EI transformer or 29V/2A SMPS.

Number of Actuator: 1~3

Number of Control: 1

Duty Cycle: 10%

Protection Class: II

Certificate: CE, EMC Directive 2014/30/EU,
LVD Directive 2014/35/EU

Option: Synchronization of 2 actuators (CB3T-SY)
Built-in SMPS

**CB4M**

Input: 110 / 230V AC

Output: 24V DC

Power Supply: 24V EI transformer

Number of Actuator: 2~4

Number of Control: 1~2

Duty Cycle: 10%

Protection Class: II

Certificate: CE, EMC Directive 2014/30/EU,
LVD Directive 2014/35/EU

Option: Rechargeable batteries 12V DC 1.3Ah*2
Charger function
Synchronization for 2~4 Actuators
Detachable AC power cord

**CF11H**

Input: 100~240V AC

Output: 29V DC

Power Supply: Internal SMPS, 29V/2A

Number of Actuator: 1~2

Number of Control: 1

Duty Cycle: 10%

Compliant with CE, EMC Directive 2014/30/EU,
LVD Directive 2014/35/EU

Detachable AC Power cord



Control Box

CF12H



Input: 100~240V AC
Output: 29V DC
Power Supply: Internal SMPS, 29V/2A
Number of Actuator: 2~4
Number of Control: 1
Duty Cycle: 10%
Protection Class: II
Compliant with CE, EMC Directive 2014/30/EU,
LVD Directive 2014/35/EU
Detachable AC Power cord



CF12S



Input: 100~240V AC
Output: 32V DC
Power Supply: Internal SMPS, 32V/4A
Number of Actuator: 4 (synchronization)
Number of Control: 1
Position memory function
Soft Start / Stop function
Duty Cycle: 10%
Protection Class: II
Compliant with CE, EMC Directive 2014/30/EU,
LVD Directive 2014/35/EU
Detachable AC Power cord



CF15



Input: 100~240V AC
Output: 29V DC
Power Supply: Internal SMPS, 29V/2A
Number of Actuator: 2
Built-in RF Receiver (2.4GHz)
Max. Operating Distance: 5m
USB port for 3C device charging (2A total)
Built-in under bed light (warm white)
Duty Cycle: 10%
Protection Class: II
All down / Emergency lowering
Compliant with CE, EMC Directive 2014/30/EU,
LVD Directive 2014/35/EU
Detachable AC Power cord
Option: Massage function
External under bed light



CF17

Input: 29V DC
 Output: 29V DC
 Power Supply: External SMPS, 29V/2A
 Number of Actuator: 3
 Built-in RF Receiver (2.4GHz)
 Max. Operating Distance: 5m
 USB port for 3C device charging (2A total)
 External floorlight
 Bluetooth
 Duty Cycle: 10%
 Compliant with CE, EMC Directive 2014/30/EU,
 LVD Directive 2014/35/EU

**CS1**

Input: 29V DC
 Output: 29V DC
 Power Supply: External SMPS
 Number of Actuator: 1~2
 Number of Control: 1
 Overload Protection Current: 3A-Nominal (PTC)
 Duty Cycle: 10%
 Certificate: CE, EMC Directive 2014/30/EU
 Can be mounted on FD60
 Option: External SMPS (TSW1 or TSW2)
 Emergency lowering function with TSW2
 Anti-pull accessory
 Mounting plate



CS1+FD60

CS2

Input: 29V DC
 Output: 29V DC
 Power Supply: External SMPS
 Number of Actuator: 2~4
 Number of Control: 1
 Joint movement for 2 actuators
 Duty Cycle: 10%
 Certificate: CE, EMC Directive 2014/30/EU
 Can be mounted on FD60
 Option: External SMPS (TSW1, TSW2 or TSW3)
 Emergency lowering function with TSW2
 Anti-pull accessory
 Mounting plate



CS2+FD60

Control Box

CF01



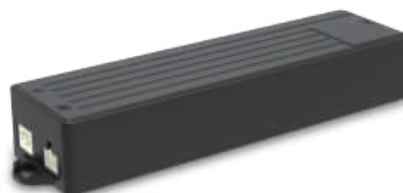
Input: 29V DC
Output: 29V DC
Number of Actuator: 2
Frequency: 2.4GHz RF
All down / Emergency lowering
Pairing with wireless control
Duty Cycle: 10%
Protection Class: II
Compliant with CE, EMC Directive 2014/30/EU and LVD Directive 2014/35/EU



CF13



Input: 100~240V AC
Output: 29V DC
Power Supply: Internal SMPS, 29V/2A
Number of Actuator: 1
Number of Control: 1
Anti-pinch function
Height display (compatible with DKP3, DP06, DP07, DP08)
Memory function
Soft start / stop function
Support USB charging port on hand control
Duty Cycle: 10%
Protection Class: II
Compliant with CE, EMC Directive 2014/30/EU and LVD Directive 2014/35/EU
Detachable AC Power cord



CF11D



Input: 100~240V AC
Output: 32V DC
Power Supply: Internal SMPS, 32V/4A
Number of Actuator: 2
Number of Control: 1
Synchronization for 2 motors
Anti-pinch function
Height display (compatible with DKP3, DP06, DP07, DP08)
Memory function
Soft start / stop function
Support USB charging port on hand control
Duty Cycle: 10%
Protection Class: II
Compliant with CE, EMC Directive 2014/30/EU and LVD Directive 2014/35/EU
Detachable AC Power cord



CB2P

Input: 110 / 230V AC
 Output: 24V DC
 Power Supply: 24V/2A EI transformer
 Number of Actuator: 1~2
 Number of Control: 1
 Duty Cycle: 10%
 IP Level: IP65
 Protection Class: II
 Certificate: CE, MDD Directive 93/42/EEC
 Emergency lowering function with backup batteries
 Detachable AC Power cord
 Can be mounted on MD60, MD66 and MD7



MD60+CB2P

CB4P

Input: 110 / 230V AC
 Output: 24V DC
 Power Supply: Toroidal transformer 156W / 180W / 216W
 Number of Actuator: 3~4
 Number of Control: 1~2
 Duty Cycle: 10%
 IP Level: IPX4
 Protection Class: I
 Certificate: CE, MDD Directive 93/42/EEC
 Detachable AC Power cord
 Option: Charger function
 Rechargeable batteries 12V DC 1.3AH *2
 High power version (CB4P-HP)
 Synchronization for 2 actuators (CB4P-SY)

**CB5P-M****MoBus**

Input: 100~240V AC (SMPS)
 Output: 32V DC, 5A @110V / 8A @240V
 Number of Actuator: 3~5
 Number of Control: 1
 Support dual Hall sensor positioning function
 Customized software available
 Duty Cycle: 10%
 IP Level: IPX4 / IPX5
 Protection Class: II
 Compliant with CE, MDD Directive 93/42/EEC
 Detachable AC Power cord
 Option: Rechargeable batteries 12V DC 1.3Ah *2



Control Box

MD6C-M



MoBus

Input: 100~240V AC
Output: 24V DC
Power Supply: Internal SMPS, 29V/2A
Number of Actuator: 1~4
Number of Control: 1
Support dual Hall sensor positioning function
Customized software available
Duty Cycle: 10%
IP Level: IPX5
Protection Class: II
Certificate: CE, MDD Directive 93/42/EEC
Detachable AC Power cord
Emergency lowering function with backup batteries
Can be mounted on MD60 / MD66
Option: Support positioning memory function
Charger function
Fixing bracket



MD60+MD6C

MD6C



Input: 100 / 120 / 230V AC
Output: 24V DC
Power Supply: 24V EI transformer
Number of Actuator: 1~4
Number of Control: 1
Support joint-movement function
Duty Cycle: 10%
IP Level: IPX5
Protection Class: II
Certificate: CE, MDD Directive 93/42/EEC
Detachable AC Power cord
Emergency lowering function with backup batteries
Can be mounted on MD60 / MD66
Option: Fixing bracket



MD60+MD6C

MD7C



Input: 100 / 120 / 230V AC
Output: 24V DC
Power Supply: 24V EI Transformer
Number of Actuator: 1~4
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX4 / IPX5
Protection Class: I
Certificate: CE, MDD Directive 93/42/EEC
Detachable AC Power cord
Emergency lowering function with backup batteries
Can be mounted on MD7



MD7+MD7C

CM41

Input: 100~240V AC (SMPS)
Output: 32V DC, 5A @110V / 8A @ 240V
Number of Actuator: 1~4
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX6
Protection Class: II
FET (No relay noise)
Standby Power: <0.5W
LED Power on indicator
Overload / Overheat protection
Charging function for external backup battery
Battery power detection
Detachable AC Power cord
Compliant with CE, MDD Directive 93/42/EEC



MK31+CM41

CM45

Input: 100~240V AC (SMPS)
Output: 29V DC, 5A total
Number of Actuator: 1~4
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX5
Protection Class: II
LED Power on indicator
PTC overload protection
Detachable AC Power cord
Compliant with CE, MDD Directive 93/42/EEC
Option: C Clip To fix CM45 onto MD66, MK33 or MK34 actuators

**CBP2**

Input: 120 / 230 / 100~240V AC
Output: 24V DC
Overload protection current on lifting actuator: 5~9A (On demand)
Battery Charger: 24V EI transformer or 29V/1A SMPS
Power Supply: Lead-acid battery (12V x2)
Number of Actuator: 1~2
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX4 (External SMPS) / IP66
Protection Class: II
Emergency stop button
LCM display (Status and error info)
Certificate: CE, MDD Directive 93/42/EEC, UL E464256
Detachable AC Power cord
Option: Battery level indicator
 External SMPS / Internal SMPS
 Phone jack(Ø6.35mm) with Ø13.6 or Ø16.7mm molding available



CHP1 Battery charger

BTP1 Battery pack

Control Box

CBP3



Input: 100~240V AC
Output: 24V DC
Overload Protection Current on Lifting Actuator: 5~9A (on demand)
Battery Charger: 29V/1A SMPS
Power supply: Lead-acid battery (12V x2)
Number of Actuator: 1~2
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX4 (External SMPS) / IP66
Protection Class: II
Emergency stop button
LCM display (Status and error info)
History record of abnormal usage
Connect PC to access history records or setting function
Certificate: CE, MDD Directive 93/42/EEC, RoHS
Detachable AC Power cord
Option: Battery level indicator / External SMPS
Phone jack(Ø6.35mm) with Ø13.6 or Ø16.7mm molding available



CM42



Input: 100~240V AC
Output: 24V DC
Overload Protection Current on Lifting Actuator: 7A (On demand)
Number of Actuator: 1~2
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX4
Protection Class: II
Emergency stop button
Soft start
Buzzer sounds if battery capacity is low
LED indicator of hand control activation and charging
Button for emergency lowering against power outage to retract actuators
Compliant with CE, MDD Directive 93/42/EEC
Option: Lead-acid battery



CM43



Input: 100~240V AC
Output: 24V DC
Overload Protection Current on Lifting Actuator: 7A (On demand)
Number of Actuator: 1~2
Number of Control: 1
Duty Cycle: 10%
IP Level: IPX4
Protection Class: II
Emergency stop button
Soft start
Buzzer sounds if battery capacity is low
LED indicator of hand control activation and charging
Button for emergency lowering against power outage to retract actuators
Compliant with CE, MDD Directive 93/42/EEC
Option: CHP2 Battery Charger
BTP4 Battery pack (5Ah or 2.9Ah)
Rechargeable / non-rechargeable control box



CHP2 Battery charger



BTP4 Battery pack

CF16

Input: 24V DC

Output: 24V DC/2.4A max.

Overload protection

Raining detection

Fire alarm and reset

Connection for joint movement

Master or slave selection

Signal control via button switch or wireless control
(Provide by customer)

Recommend to use with MK45 actuator

**CB3T-SYD**

Input: 12V DC/AC

Output: 12V DC

Max. Current: 5A per channel

Number of Actuator: 2 (Synchronization)

Number of Control: 1

Duty Cycle: 10%

Compliant with CE, EMC Directive 2014/30/EU

**CI10**

Input: 110 or 230V AC (Adjustable)

Output: 24V DC

Max. Current: 10A

Power Supply: 216W (24V, 9A) Toroidal transformer

Number of Actuator: 1

Duty Cycle: 10%

Protection Class: II

Equipped with switch for movement control

Recommend to use with ID10, ID10BT, ID11, ID12

Emergency stop button

LED Power on indicator

2nd Output for Supplementary Device: 24V DC @350mA max.



Control Box

CIS1



Synchronization Control Box

Input: 24V DC
Output: 24V DC
Max. Current: 7.5A per channel
Number of Actuator: 2
Duty Cycle: 10%
Synchronization for 2 actuators
Work with signals of Hall effect sensor or reed sensor
Memory function

CIS2



Synchronization and High Current Control Box

Input: 12V DC
Output: 12V DC
Max. Current: 10A per channel
Number of Actuator: 2
Duty Cycle: 10%
Synchronization for 2 actuators
Work with signals of Hall effect sensor or reed sensor
Memory function
Battery charging function (AC or solar input)
Software limit protection

CIS3



Synchronization and High Current Control Box

Input: 24V DC
Output: 24V DC
Max. Current: 10A per channel
Number of Actuator: 2
Duty Cycle: 10%
Synchronization for 2 actuators
Work with signals of potentiometer
Memory function

GCC1



Input: 110 / 230V AC, 60 / 50Hz
Output: 12V DC / 80W Max.
IP Level: IP44
8 cable grommets at the bottom



Control (Signal)

HC



Motor Number to Control: 1~4
 Max. Button Number: 10
 LED Power on indicator
 With hook
 Option: Joint movement or synchronization for 2 motors



HD



Motor Number to Control: 1~4
 Max. Button Number: 8
 LED Power on indicator
 With hook
 Option: Joint movement for 2 motors



H2D



Max. Button Number: 12
 IP Level: IPX4
 LED Power on indicator
 With hook
 Option: Joint movement for 2 motors
 Nurse lock



HF



Motor Number to Control: 1~4
 Max. Button Number: 10
 IP Level: IPX4
 LED Power on indicator
 With hook
 Option: Joint movement for 2 motors



H3F



Motor Number to Control: 1~3
 Max. Button Number: 8
 IP Level: IPX4 / IPX6
 Button backlight (blue)
 With hook
 Option: Joint movement for 2 motors



HI



Motor Number to Control: 1~3
 Max. Button Number: 9
 IP Level: IPX4
 With hook
 Option: Joint movement for 2 motors
 Memory function
 Safety key



Control (Signal)

HJ



Motor Number to Control: 1~3
Max. Button Number: 6
LED Power on indicator
With hook
Option: Joint movement for 2 motors
Magnetic back cover



HM



Motor Number to Control: 1~3
Max. Button Number: 8
LED Power on indicator
With hook
Option: Joint movement or synchronization for 2 motors
Memory function
Safety key



H2N



Motor Number to Control: 1~3
Max. Button Number: 9
With hook
LED Torch (white)
Option: Joint movement for 2 motors
Holder without hook



H3N



Motor Number to Control: 1~2
Max. Button Number: 10
LED Power on indicator
LED Torch (blue)
Button backlight (green)
With hook
Option: Joint movement for 2 motors
Memory function
Holder with or without hook
Color (textured black or matt black)



H3NT



Motor Number to Control: 1~2
Max. Button Number: 7
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



Motor Number to Control: 2
Max. Button Number: 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



H2Z

Motor Number to Control: 1~2
 Max. Button Number: 6
 LED Power on indicator
 With hook
 Option: Joint movement for 2 motors

**HDU**

Motor Number to Control: 1
 Max. Button Number: 2

**HR**

Motor Number to Control: 1
 Max. Button Number: 2

**HT**

Motor Number to Control: 1~4
 Max. Button Number: 10
 IP Level: IPX4 / IPX5
 LED Power on indicator
 Compatible with CBP2 / CBP3 / CM42 / CM43
 With hook
 Option: Joint movement for 2 motors
 Nurse lock
 Safety key

**H3T**

Motor Number to Control: 1~4
 Max. Button Number: 10
 LED Power on indicator
 With hook
 Option: Joint movement for 2 motors
 Nurse lock

**HS12**

Motor Number to Control: 1~4
 Max. Button Number: 12
 IP Level: IPX6
 LED Power on indicator
 With hook
 Option: Joint movement for 2 motors
 Nurse lock



Control (Signal)

HS12-M



MoBus

Motor Number to Control: 5
Max. Button Number: 12
IP Level: IP66
LED Power on indicator
With hook
Work with MoBus protocol
Joint movement for 2 motors
Option: Button backlight



H3T-M



MoBus

Motor Number to Control: 1~4
Max. Button Number: 10
IP Level: IPX4
LED Power on indicator
With hook
Work with MoBus protocol
Option: Joint movement for 2 motors
Nurse lock



CP1



MoBus

Max. Button Number: 21
Number of LED Power on Indicator: 21 max.
IP Level: IPX6
Work with MoBus protocol
With hook



CP2



MoBus

Max. Button Number: 29
Number of LED Power on Indicator: 11 max.
IP Level: IPX6
LCD display patient's weight and the status of bed
Work with MoBus protocol
With hook



FS1



Motor Number to Control: 1
Max. Button Number: 2
IP Level: IP54
Option: Color (RAL7035 or black)



FS2



Motor Number to Control: 1~3
Max. Button Number: 6
IP Level: IP54 / IP66
LED Power on indicator
Option: Single / double / triple version



HTF

Motor Number to Control: 1~2
 Max. Button Number: 4
 IP Level: IPX5
 Compatible with CBP2 / CBP3 / CM42 / CM43
 With hook
 Option: Safety key

**H2T**

Motor Number to Control: 1~2
 Max. Button Number: 4
 IP Level: IPX6
 Compatible with CBP3 / CM43
 LED: Indicators for power on, battery condition, service reminder and overload alarm.
 With hook

**HS12L**

Motor Number to Control: 2
 Max. Button Number: 2, 4
 IP Level: IPX4
 Compatible with CBP2 / CBP3 / CM42 / CM43
 With hook
 Option: With / without indicators for overload, usage warning, and battery level indication.

**DKP4**

Max. Button Number: 2

**DP11**

Max. Button Number: 2
 LED Power on indicator

**DP05**

Max. Touch Button Number: 2
 Option: Color (white or black)



Control (Signal)

DKP3



Max. Button Number: 7
Number of Memory Position: 4
3-Digit LED Display (height read-out and error code)



DP07



Max. Button Number: 6
Number of Memory Position: 3
3-Digit LED Display (height read-out and error code)
Optional USB Charging port for 3C devices
Sliding mounting bracket



USB Charging Port



DP08



Max. Button Number: 6
Number of Memory Position: 3
3-Digit LED Display (height read-out and error code)
Optional USB Charging port for 3C devices



USB Charging Port



DP09



Max. Button Number: 6
Number of Memory Position: 2
3-Digit LED Display (height read-out and error code)
Wireless charging available
Top mounted



Control (Direct-cut)

HB



Motor Number to Control: 1
Max. Button Number: 2
With hook



H2B



Motor Number to Control: 1~2
Max. Button Number: 4
LED Power on indicator
With hook
Option: Joint movement for 2 motors



H2G



Motor Number to Control: 1~2
Max. Button Number: 4
LED Power on indicator
With hook



H3B



Motor Number to Control: 2
Max. Button Number: 6
With hook
Option: Joint movement for 2 motors



HS13



Motor Number to Control: 1~2
Max. Button Number: 4
IP Level: IPX6
LED Power on indicator
With hook



HS21



Motor Number to Control: 1~2
Max. Button Number: 5
Option: Joint movement for 2 motors



Control (Direct-cut)

HS22



Motor Number to Control: 2
Max. Button Number: 6
Joint movement for 2 motors



HS02



Input / Output: 29V DC
Input / Output Current: 2A
Motor Number to Control: 1
Max. Button Number: 2



HZ01



Input / Output: 29V DC
Input / Output Current: 2A
Motor Number to Control: 2
Max. Button Number: 4
Option: USB port for charging
Button texture (matte or glossy)



GLOSSY BUTTON



MATTE BUTTON WITH
USB PORT

HZ02



Input / Output: 29V DC
Input / Output Current: 2A
Motor Number to Control: 1
Max. Button Number: 2



HZ03



Input / Output: 29V DC
Input / Output Current: 2A
Motor Number to Control: 1
Max. Button Number: 2
Option: Button texture (matte or glossy)



GLOSSY BUTTON



MATTE BUTTON

HZ04



Input / Output: 29V DC
Input / Output Current: 2A
Motor Number to Control: 1
Max. Button Number: 2
Option: USB port for charging



HZ05

Input / Output: 29V DC
Input / Output Current: 2A
Motor Number to Control: 1
Max. Button Number: 2
Option: USB port for charging

**HZ06**

Input / Output: 29V DC
Input / Output Current: 2A
Motor Number to Control: 1
Max. Button Number: 2

**TPSG**

Input / Output: 29V DC
Input / Output Current: 2.5A
Motor Number to Control: 1
Max. Touch Button Number: 2
PTC over current protection

**TPSL**

Input / Output: 29V DC
Input / Output Current: 2A
Motor Number to Control: 1
Max. Touch Button Number: 2



Control (2.4GHz RF)

TXC



Motor Number to Control: 2~3
Max. Button Number: 9
Battery: AAA*3
LED Torch (white)
Button backlight (blue)
Option: Joint movement for 2 motors
With hook



TXE



Motor Number to Control: 2
Max. Button Number: 7
Battery: AAA*2
LED Power on indicator



TXF



Motor Number to Control: 2
Max. Button Number: 7
Battery: AAA*2
LED Power on indicator



TXH



Motor Number to Control: 1~3
Max. Button Number: 9
Battery: AAA*2
With hook
LED Power on indicator
Safety lock
Option: Joint movement for 2 motors
Memory function (TXH4)



TXQ



Motor Number to Control: 3
Max. Button Number: 17
Massage Motor: 2
Battery: AAA*3
LED Power on indicator
Joint movement for 2 motors
Backlight: Blue
LED Torch: White



TXR



Motor Number to Control: 2
Max. Button Number: 15
Massage Motor: 2
Battery: AAA*3
LED Power on indicator
Joint movement for 2 motors
Backlight: Blue
LED Torch: White



TXT

Motor Number to Control: 1~2
 Max. Button Number: 10
 Battery: AAA*2
 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**

Motor Number to Control: 2
 Max. Button Number: 10
 Battery: AAA*3
 Backlight: Blue
 LED Torch (blue)
 Option: Joint movement for 2 motors
 Memory function
 Triggered by button or both of button and G-sensor
 Holder with or without hook

**TXZ**

Motor Number to Control: 1~2
 Max. Button Number: 6
 Safety lock in the back
 Battery: AAA*2
 LED Power on indicator
 With hook
 Option: Joint movement for 2 motors

**TX11**

Motor Number to Control: 2
 Max. Button Number: 5
 Battery: AAA*3
 Joint movement for 2 motors



Control (433.92MHz RF)

X3R



Remote Control

Frequency: 433.92MHz RF with rolling code

4 buttons, up to 10 channels.

Battery: 3V/CR2032



RKP2



Wireless Keypad

Frequency: 433.92MHz RF with rolling code

Battery: 9V Alkaline battery



APP CONTROL

CUSTOMIZED FOR IOS/ANDROID PLATFORM
INTEGRATING ERGONOMIC TECHNOLOGY



Accessory

ACLB



AC Lock Box

Input: 120 / 230V AC
Stand-by Power Consumption: 2VA
Max. Volt-ampere: 1000VA
IP Level: IP54 / IP65



SB1



Stop Button

One push to stop all actuators in an emergency
Turn the button to restore easily
IP Level: IPX6



FL2



Floorlight

Input: 5V DC
IP Level: IPX6
LED Neutral white



FL3



Floorlight

Input: 24V DC
LED Neutral white



JB1



MoBus

Junction Box and Under Bed Light

Work with MoBus protocol
Connection Ports: Total 5, no different between input and output
IP Level: IPX5
Optional white LED for under bed light



JB3



MoBus

Junction Box

Work with MoBus protocol
Connection Ports: Total 8
IP Level: IPX6
Support max. 5x ports for MoBus control
Support max. 1x port for analog control
Support max. 1x port for 5V DC lighting switch



JB2-M

MoBus

Junction Box

Work with MoBus protocol

Support 2 membrane switches at the same time

Option: Customized membrane switches with different button definition.

**CAES****Double Switch**

Switch on/off actuator movement

IP Level: IPX5

**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

**CS1H****Heating Pad Set**

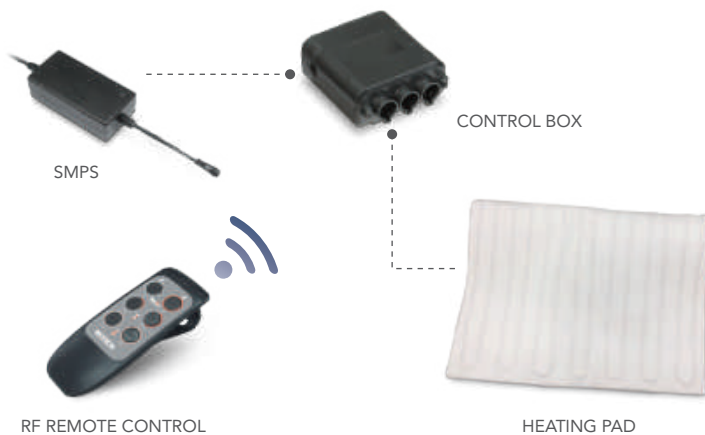
Input: 110~230V AC

Operating Distance: Approx. 8m

Battery (for RF Remote Control): AAA*2

5-level temperature adjustment

Parts included:



Accessory

ESW1



Key Switch

Number of Switch: 2

Number of Key: 3

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

Working in 2 separate channels

Memory Positions: 30 Max. for 2 channels

Rolling code enabled or disabled

3 operation modes



WLT1



Warning Light

Input: 12V DC / 10W

Provide flashing signals during gate movement and obstacle detection.



IPH1



Photocells

Current Consumption:

TX: 30mA

RX: 25mA



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.



ARCV



Additional Receiver

Frequency: 433.92 MHz

Input: 12V DC

Standby Current: 15mA

Memory Cells: 30max. for 2 channels

Rolling code inspection

Partial code deletion or replacement



Accessory (Wireless Receiver)

TBA



Bluetooth Adaptor

Bluetooth low energy (BLE) technology
 Operating Distance: 10m
 Work with control box or double motor
 Pair with iOS / Android devices
 Connect to 1 control
 Support emergency "All Down" function
 LED Power on indicator
 Option: Do not support memory function (TBA3)
 Support memory function (TBA4)
 Assembly with mounting plate



TX2A



Wireless Receiver

Frequency: 2.4GHz RF
 Power Input: 29V DC / 2A
 Operating Distance: 5m
 Work with Relay-free system (actuator and power supply, without control box)
 Support emergency "All Down" function
 Motor Number to Control: 2
 Number of Wired Control: 1



TXA



RF Receiver Adapter

Frequency: 2.4GHz RF
 Operating Distance: 5m
 Work with control box or double motor
 Support emergency "All Down" function
 LED Power on indicator
 Option: Do not support memory function (TXA4)
 Support memory function (TXA5)



Lifting Column

DLC1



Input: 24V DC
Max. Thrust: 2000N
Typical Speed at No Load: 10.9mm/s
Static Bending Moment: 500Nm
Dynamic Bending Moment: 250Nm
Stroke: 50~400mm
Retracted Length: 350mm
Duty Cycle: 10%
IP Level: IPX4 / IPX6
Certificate: CE, MDD Directive 93/42/EEC
Life Cycle: Over 10,000 cycles
Option: Hall effect sensor



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

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

DLC2

Input: 24V DC

Max. Thrust: 2000N

Typical Speed at No Load: 18.0mm/s

Static Bending Moment: 1000Nm

Dynamic Bending Moment: 750Nm

Stroke: 140 / 261 / 450mm

Retracted Length: 660 / 550 / 330mm

Duty Cycle: 10%

Certificate: CE, EMC Directive 2014/30/EU

Option: Hall effect sensor



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

Gear Motor

DKM1



Gear Motor

Input: 24V DC
 Idle Running Speed: 66rpm
 Max. Torque: 5Nm
 Duty Cycle: 10%
 Hollow Shaft: Hexogen 8mm diameter
 With dual Hall sensors



DKM3



Gear Motor

Input: 24V DC
 Typical Speed: 62rpm after gear reduction
 Max. Torque: 5Nm
 Duty Cycle: 10%
 Hollow Shaft: Hexogen 6 or 8mm diameter
 With dual Hall sensors
 Recommend to use with CF13



DKM4-LF



Gear Motor

Input: 24V DC
 Typical Speed: 110rpm after gear reduction
 Max. Torque: 7Nm
 Duty Cycle: 10%
 Hollow Shaft: Hexogen 6mm diameter
 With dual Hall sensors
 Recommend to use with CF11D / DKS3
 Certificate: CE, EMC Directive 2014/30/EU



GM01



Gear Motor

Input: 24V DC
 Typical Speed: 107rpm after gear reduction
 Max. Torque: 5Nm
 Duty Cycle: 10%
 Hollow Shaft: Hexogen 8mm diameter
 With dual Hall sensors
 Recommend to use with CF13



VM01



Massage Motor

Input: 24V DC
 Max. Current: 0.5A
 Motor Speed: 1500rpm
 Lifetime: 600 hours
 Overheat protection with PTC thermistor
 Certificate: CE, EMC Directive 2014/30/EU
 Option: Fixture for board type
 Fixture for slat type



VM02



Massage Motor

Input: 24V DC
 Max. Current: 0.7A
 Motor Speed: 3000rpm
 Lifetime: 520 hours
 Built-in thermal fuse
 Certificate: CE, EMC Directive 2014/30/EU
 Option: Fixture for board type
 Fixture for slat type



SL20**Sliding Gate Series**

Max. Leaf Weight: 200kg

Input: 230V~, 50/60Hz, 150W max.

Length of Tooth Racks: 4m with 8 tooth racks

IP Level: IP44

Duty Cycle: 20%



TOOTH RACK

SL3D**Sliding Gate Series**

Max. Leaf Weight: 400kg

Input: 230V~, 50/60Hz, 200W max.

Length of Tooth Racks: 4m with 8 tooth racks

IP Level: IP44

Duty Cycle: 20%



TOOTH RACK

SW32**Swing Gate Series - Arm Type**

Max. Leaf Length: 2.75m

Max. Leaf Weight: 275kg

Input: 12V DC

IP Level: IP44

Duty Cycle: 20%

Operating Temperature: -20°C~+60°C



Double Motor

TW41/TW61



Input: 100~240V AC (Internal SMPS)
Max. Load: 2*4500N (TW41)
2*6000N (TW61)
Typical Speed at No Load: 5mm/s
Duty Cycle: 10%
Stroke: 29~87mm
IP Level: IP43 / IP54
Protection Class: II
Certificate: CE, EMC Directive 2014/30/EU
Option: Position memory with Hall effect sensors
9V DC backup batteries *2
Color (black or RAL 7035)



TW41-RMS/TW61-RMS



Input: 100~240V AC (Internal SMPS)
Max. Load: 2*4500N (TW41-RMS)
2*6000N (TW61-RMS)
Typical Speed at No Load: 5mm/s
Duty Cycle: 10%
Stroke: 29~87mm
IP Level: IP43 / IP54
Protection Class: II
Compliant with CE, EMC Directive 2014/30/EU
Built-in RF Receiver
Memory function
Massage function
Synchronization function
Option: 9V DC backup batteries *2
Color (black or RAL 7035)



TXM Wireless Control:
Frequency: 2.4GHz RF
Numbers of Button: 17
Button backlight (blue)
LED Torch (white)
Battery: AAA x 3



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

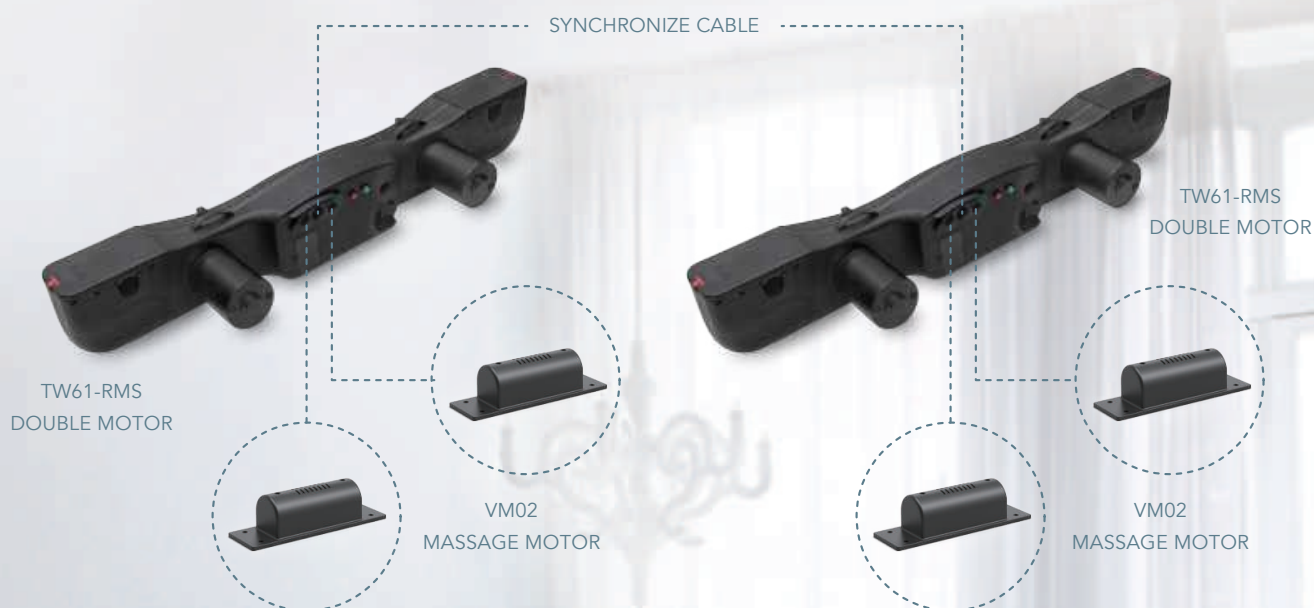
6000N FORCE

BUILT-IN SMPS & 2.4GHz RF RECEIVER

MASSAGE FUNCTION

BACKUP BATTERY FOR EMERGENCY LOWERING

SYNCHRONIZATION FUNCTION WITH A CABLE CONNECTION BETWEEN 2 UNITS



TXM
WIRELESS CONTROL



Power Supply

TSW1



Switching Mode Power Supply (SMPS)

Input: 100~240V AC

Standby Power Consumption: <0.5W @ no load

Output: 29V DC, 2A

Protection Class: II

Option: Fixing plate
Mounting plate



TSW2



Switching Mode Power Supply (SMPS)

Input: 100~240V AC

Standby Power Consumption: <0.5W @ no load

Output: 29V DC, 2A

Protection Class: II

Support emergency lowering function



TSW3



Switching Mode Power Supply (SMPS)

Input: 100~240V AC

Standby Power Consumption: <0.5W @ no load

Output: 29V DC, 3A

Protection Class: I

Option: Fixing clips



TSW4



Switching Mode Power Supply (SMPS)

Input: 100~240V AC

Output: 29V DC, 1A

Standby Power Consumption: <0.5W @ no load

Protection Class: II



CHP1



Charger

For BTP1 Battery pack

Input Voltage: 100 / 120 / 230V AC

DC Charger: Max. 800mA

Output Voltage: 27V / Max. 25VA

Certified: CE, MDD Directive 93/42/EEC

Option: LED power on indicator



BTP1



Battery Pack

Apply to CBP2, CBP3 and CHP1

Output Voltage: 24V / Max. 10VA

12V 5Ah x2 Lead-acid batteries

IP Level: IP66

Option: Battery indicator



BTP3**Battery Box**

Apply to CM41
 Input Voltage: 29~32V DC
 Output Voltage: 24V DC
 1.3Ah Lead-acid battery
 IP Level: IPX6
 Charge ON / OFF buttons
 LED Power on indicator

**BTP4****Battery Pack**

Apply to CM43 and CHP2
 Output Voltage: 24V
 Option: 12V 5Ah x 2 Lead-acid batteries
 12V 2.9Ah x 2 Lead-acid batteries
 *Charger cradle order separately



Battery 5Ah+Charger



Battery 2.9Ah+Charger

ZB-B1800**Battery 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

**BKT3****Battery Box**

Include 12V/10Ah Rechargeable Lead-acid battery

**BKT5****Solar Kit**

Battery Box*1 include 24V/4Ah or
 12V/8Ah Rechargeable Lead-acid batteries
 20W/18V Solar Panel*1



Adjustable Desk

DKL2



Input: 24~32V DC
Max. Load: 1200N
Typical Speed at No Load: 22.0mm/s
Stroke: 500mm
Retracted Length: 560mm
Duty Cycle: 10%
Compliant with CE, EMC Directive 2014/30/EU, UL 962
Hall effect sensor



Model No.	Max. Push Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
DKL2	1200	22	18	1.0	3.4

DKL3



Input: 24~32V DC
Max. Load: 1200N
Typical Speed at No Load: 45.0mm/s
Stroke: 650mm
Retracted Length: 553mm
Duty Cycle: 10%
Certificate: CE, EMC Directive 2014/30/EU, UL 962
Hall effect sensor



Model No.	Max. Push Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
DKL3	1200	45	26	0.8	5.5

DKL6

Input: 24~32V DC
 Max. Load: 800N
 Typical Speed at No Load: 45.0mm/s
 Stroke: 650mm
 Retracted Length: 550.5mm
 Installation Dim. 507mm
 Duty Cycle: 10%
 Compliant with CE, EMC Directive 2014/30/EU
 Hall effect sensor



Model No.	Max. Push Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
DKL6	800	45	32	2.0	6.0

LC61

Input: 24~32V DC
 Max. Load: 800N
 Typical Speed at No Load: 44.0mm/s
 Stroke: 650mm
 Retracted Length: 560mm
 Duty Cycle: 10%
 Compliant with CE, EMC Directive 2014/30/EU
 Hall effect sensor



Model No.	Max. Push Load (N)	Typical Speed (mm/s)		Typical Current (A)	
		No load	Full load	No load	Full load
LC61	800	44	30	2.5	7.0

Adjustable Desk

DKS3



Max. Load: 700N

Gear Ratio: 1:1

Spindle Lead: 16mm

Stroke: 500mm

Driven by Hexagon metal rod (diagonal diameter 6mm)

Installation Length: 629mm



FM2A



Max. Load: 800N

Constant Speed: 35.0mm/s

Stroke: 650mm

Height: 605~1255mm

Width: 1000~1800mm

Duty Cycle: 10%

Kit Available:

Recommend Control Box: CF11D

Control Option: DP05, DP07, DP08, DP11, DKP3, DKP4

Column Option: LC61

Foot Option: FT01





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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