

GENERAL CATALOGUE



Motorize Our World · Lift Up Your Life

MOTECK®

Contents

04 / **About Moteck**

06 / **Application**

08 / **Product**

08 ___ Actuator

28 ___ Twinmat

30 ___ Control Box

36 ___ Handset

40 ___ Gate Opener

45 ___ Gear Motor

46 ___ TV Mount

48 ___ Accessory



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



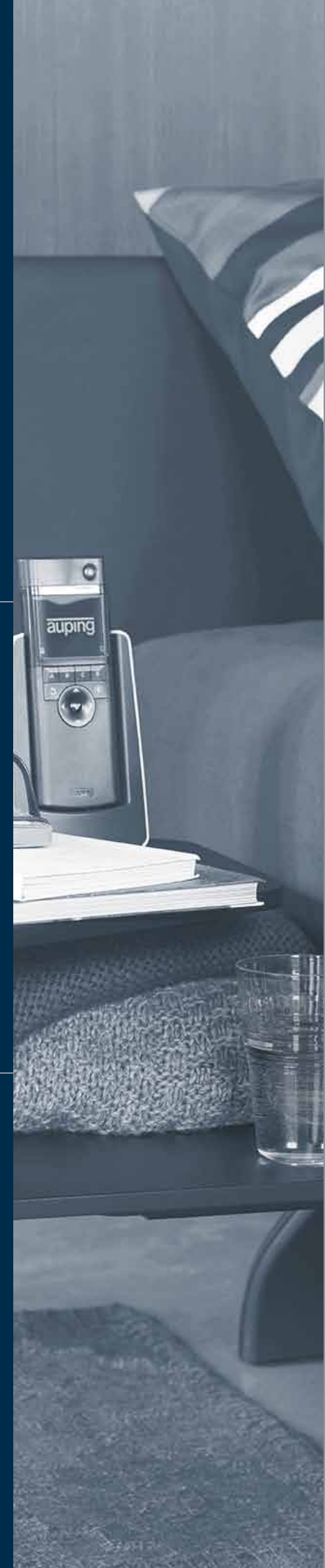
Taipei, Taiwan



Taoyuan, Taiwan

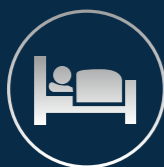


Suzhou, China



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.



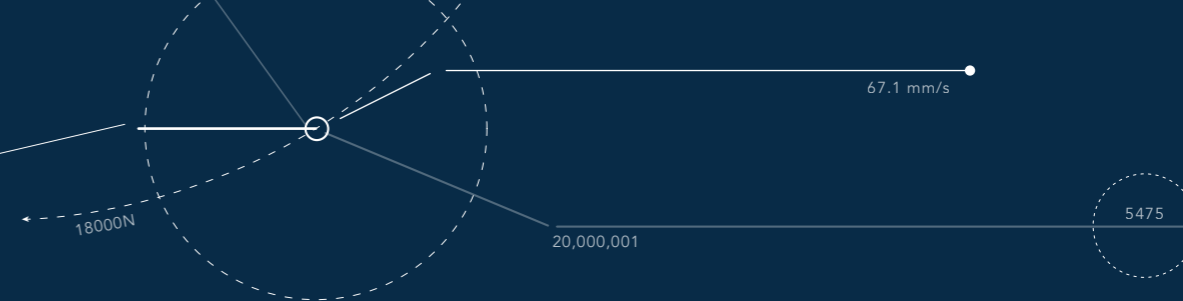
Homecare

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.



Mobility 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: 12 / 24V DC
 Max. Push Load: 2000N
 Max. Pull Load: 2000N
 Max. Speed at No Load: 33mm/s
 Stroke: 50~250mm
 Duty Cycle: 10%

IP Level: IP42
 Min. Installation Dimension: 135mm+Stroke
 Certificate: EN55014-1
 Preset Limit Switches
 Option: Hall Effect Sensor
 Work with HB/H2B and Switching Mode Power Supply



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
FD20-24-A3- XXX.XXX	2000	2000	4.3	3.3	0.3	1.2
FD20-24-A4- XXX.XXX	2000	2000	5.6	4.0	0.3	1.5
FD20-24-A6- XXX.XXX	2000	2000	8.2	4.7	0.3	2.2
FD20-24-K3- XXX.XXX	2000	2000	8.5	5.6	0.4	1.9
FD20-24-K4- XXX.XXX	2000	2000	10.8	6.3	0.4	2.2
FD20-24-A8- XXX.XXX	2000	2000	11.5	6.5	0.3	2.0
FD20-24-K6- XXX.XXX	1500	1500	16.2	7.8	0.4	2.6
FD20-24-AC- XXX.XXX	1500	1500	16.9	8.6	0.3	2.4
FD20-24-K8- XXX.XXX	1500	1500	22.1	11.1	0.4	2.8
FD20-24-KC- XXX.XXX	1000	1000	33.2	13.1	0.3	3.2

FD50



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

IP Level: IP43
 Min. Installation Dimension: 155mm+Stroke
 Preset Limit Switches
 Option: Hall Effect Sensor
 Push Only



Model No.	Max. Push Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
		No load	Full load	No load	Full load
FD50-24F3- XXX.XXX.XXXXXXX	5000	3.8	2.6	0.4	2.5
FD50-24F4- XXX.XXX.XXXXXXX	5000	5.4	3.1	0.3	2.8
FD50-24F6- XXX.XXX.XXXXXXX	4000	7.8	4.6	0.3	2.8
FD50-24F8- XXX.XXX.XXXXXXX	3000	10.3	6.1	0.2	2.8

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

FD60



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 17mm/s
 Stroke: 50~300mm
 Duty Cycle: 10%

IP Level: IP42
 Min. Installation Dimension: 160mm+Stroke
 Certificate: EN55014-1
 Preset Limit Switches
 Option: Hall Effect Sensor
 Work with HB/H2B and Switching Mode Power Supply
 Turn 90 ° Pivot orientation of rear connector connector
 Push only
 Safety Nut



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
FD60-XX-F3- XXX.XXX	6000	4000	4.1	2.8	1.2	0.3	5.2	2.6
FD60-XX-A4- XXX.XXX	6000	4000	4.2	2.9	0.8	0.3	5.4	2.7
FD60-XX-F4- XXX.XXX	5000	3500	5.5	4.4	0.8	0.3	5.6	2.8
FD60-XX-A6- XXX.XXX	4000	3000	6.2	3.8	0.4	0.4	5.0	2.5
FD60-XX-F6- XXX.XXX	4000	3000	8.2	6.6	1.0	0.4	5.6	2.8
FD60-XX-A8- XXX.XXX	3000	2500	8.3	5.0	0.6	0.3	5.4	2.7
FD60-XX-F8- XXX.XXX	3000	2500	11.0	8.2	1.0	0.4	5.8	2.9
FD60-XX-AG- XXX.XXX	1500	1500	16.6	12.2	0.4	0.3	5.6	2.8

PD62



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 11mm/s
 Stroke: 35~65mm
 Duty Cycle: 10%

IP Level: IP43
 Min. Installation Dimension: 185mm+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)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
PD62-XX-F3- XXX.XXX	6000	4000	4.1	2.8	1.2	0.6	5.2	2.6
FD62-XX-A4- XXX.XXX	6000	4000	4.2	2.9	0.8	0.4	5.4	2.7
PD62-XX-F4- XXX.XXX	5000	3500	5.5	4.4	0.8	0.4	5.6	2.8
FD62-XX-A6- XXX.XXX	4000	3000	6.2	3.8	0.4	0.2	5.0	2.5
PD62-XX-F6- XXX.XXX	4000	3000	8.2	6.6	1.0	0.5	5.6	2.8
FD62-XX-A8- XXX.XXX	3000	2500	8.3	5.0	0.6	0.3	5.4	2.7
PD62-XX-F8- XXX.XXX	3000	2500	11.0	8.2	1.0	0.5	5.8	2.9

Actuator

PD63



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 11mm/s
 Stroke: 35~130mm
 Duty Cycle: 10%

IP Level: IP43
 Min. Installation Dimension: 280mm+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)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
PD63-XX-F3-XXX.XXX	6000	4000	4.1	2.8	1.2	0.6	5.2	2.6
PD63-XX-A4-XXX.XXX	6000	4000	4.2	2.9	0.8	0.4	5.4	2.7
PD63-XX-F4-XXX.XXX	5000	3500	5.5	4.4	0.8	0.4	5.6	2.8
PD63-XX-A6-XXX.XXX	4000	3000	6.2	3.8	0.4	0.2	5.0	2.5
PD63-XX-F6-XXX.XXX	4000	3000	8.2	6.6	1.0	0.5	5.6	2.8
PD63-XX-A8-XXX.XXX	3000	2500	8.3	5.0	0.6	0.3	5.4	2.7
PD63-XX-F8-XXX.XXX	3000	2500	11.0	8.2	1.0	0.5	5.8	2.9

PD64



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 6mm/s
 Stroke: 35~210mm
 Duty Cycle: 10%

IP Level: IP43
 Min. Installation Dimension: 354mm+Stroke
 Preset Limit Switches
 Option: Hall Effect Sensor
 Work with HB/H2B and Switching Mode Power Supply
 Push only



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
PD64-XX-A4-XXX.XXX	6000	4000	4.2	2.9	0.8	0.4	5.4	2.7
PD64-XX-F4-XXX.XXX	5000	3500	5.5	4.4	0.8	0.4	5.6	2.8

GD70



Input: 12 / 24V DC
 Max. Push Load: 7000N
 Max. Pull Load: 5000N
 Max. Speed at No Load: 8mm/s
 Stroke: 50~300mm
 Duty Cycle: 10%

IP Level: IP43
 Min. Installation Dimension: 150mm+Stroke
 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 DC			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
GD70-24-A4-XXX.XXX	7000	5000	3.9	2.9	0.3	0.3	2.8	2.8
GD70-24-A6-XXX.XXX	5000	4000	5.8	4.2	0.3	0.3	2.8	2.8
GD70-24-A8-XXX.XXX	4000	3500	7.7	5.7	0.3	0.3	3.2	3.2

BD60



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 44mm/s
 Stroke: 100~800mm
 Duty Cycle: 10%

IP Level: IP20
 Min. Installation Dimension: 135mm+Stroke
 Certificate: EN61000-6-1, EN61000-6-3,
 EN61000-4-2, EN61000-4-3,
 EN61000-4-8, IEC61000-4-2,
 IEC61000-4-3, IEC61000-4-8
 Option: Hall Effect Sensor
 Customized Nut



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
BD60-XX-A4-XXX.XXX	6000	4000	4.2	2.9	0.8	0.4	5.4	2.7
BD60-XX-AG-XXX.XXX	1500	1500	16.6	12.2	0.4	0.2	5.6	2.8
BD60-XX-FG-XXX.XXX	1500	1500	22.0	16.6	1.2	0.6	5.8	2.9
BD60-XX-KC-XXX.XXX	1000	1000	25.0	15.0	0.6	0.3	5.4	2.7
BD60-XX-HC-XXX.XXX	750	750	33.0	25.2	1.4	0.7	5.6	2.8
BD60-XX-KG-XXX.XXX	750	750	33.3	23.5	0.4	0.2	5.4	2.7
BD60-XX-HG-XXX.XXX	500	500	44.0	33.4	1.2	0.6	5.2	2.6

Actuator

BD61



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 22mm/s
 Stroke: 100~800mm
 Duty Cycle: 10%

IP Level: IP20
 Min. Installation Dimension: 127mm+Stroke
 Option: Hall Effect Sensor
 Customized Nut



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
BD61-XX-A4-XXX.XXX	6000	4000	4.2	2.9	1.0	0.5	5.4	2.7
BD61-XX-F4-XXX.XXX	5000	3500	5.5	4	1.8	0.9	7.2	3.6
BD61-XX-AG-XXX.XXX	1500	1500	17	10	1.6	0.8	7.4	3.7
BD61-XX-FG-XXX.XXX	1500	1500	22	15	1.8	0.9	7.4	3.7

BDF60



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 11mm/s
 Stroke: 50~300mm
 Duty Cycle: 10%

IP Level: IP43
 Min. Installation Dimension: 188mm+Stroke
 Option: Hall Effect Sensor
 Customized Nut



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
BDF60-XX-A4-XXX.XXX	6000	4000	4.2	2.9	0.8	0.4	5.4	2.7
BDF60-XX-F4-XXX.XXX	5000	3500	5.5	4.4	0.8	0.4	5.6	2.8
BDF60-XX-A6-XXX.XXX	4000	3000	6.2	3.8	0.4	0.2	5.0	2.5
BDF60-XX-F6-XXX.XXX	4000	3000	8.2	6.6	1.0	0.5	5.6	2.8
BDF60-XX-A8-XXX.XXX	3000	2500	8.3	5.0	0.6	0.3	5.4	2.7
BDF60-XX-F8-XXX.XXX	3000	2500	11.0	8.2	1.0	0.5	5.8	2.9

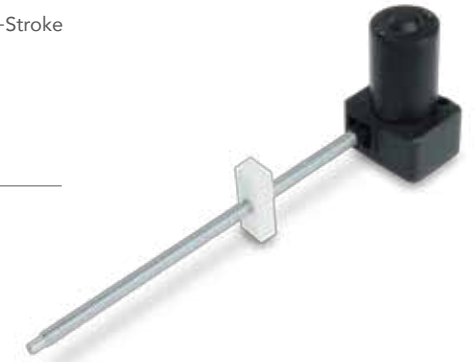
Please refer to the product data sheet for the definition of Model No.

BDN60



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 44mm/s
 Stroke: 100~800mm
 Duty Cycle: 10%

Min. Installation Dimension: 115mm+Stroke
 Option: Hall Effect Sensor
 Without Outer Tube
 Customized Nut



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
BDN60-XX-A4-XXX.XXX	6000	4000	4.2	2.9	0.8	0.4	5.4	2.7
BDN60-XX-AG-XXX.XXX	1500	1500	16.6	12.2	0.4	0.2	5.6	2.8
BDN60-XX-FG-XXX.XXX	1500	1500	22.0	16.6	1.2	0.6	5.8	2.9
BDN60-XX-KC-XXX.XXX	1000	1000	25.0	15.0	0.6	0.3	5.4	2.7
BDN60-XX-HC-XXX.XXX	750	750	33.0	25.2	1.4	0.7	5.6	2.8
BDN60-XX-KG-XXX.XXX	750	750	33.3	23.5	0.4	0.2	5.4	2.7
BDN60-XX-HG-XXX.XXX	500	500	44.0	33.4	1.2	0.6	5.2	2.6

LD10



Input: 12 / 24V DC
 Max. Push Load: 1000N
 Max. Pull Load: 1000N
 Max. Speed at No Load: 18mm/s
 Stroke: 50~300mm
 Duty Cycle: 10%

IP Level: IPX4
 Min. Installation Dimension: 256mm+Stroke
 Preset Limit Switches
 Option: F type Din plug (4pin)
 Round and Flat plug (2pin)



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

Actuator

LD2



Input: 12 / 24V DC
 Max. Push Load: 1000N
 Max. Pull Load: 1000N
 Max. Speed at No Load: 10mm/s
 Stroke: 50~300mm
 Duty Cycle: 25%

IP Level: IP43 / IP54
 Min. Installation Dimension: 109mm+Stroke
 Certificate: EN61000-6, EN61000-4
 Preset Limit Switches
 Option: Hall Effect Sensor
 Clamp
 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
LD2-XX-30-XXX	1000	10	6.5	1.0	0.5	4.5	2.2

LD3Q



Input: 12 / 24V DC
 Max. Push Load: 800N
 Max. Pull Load: 800N
 Max. Speed at No Load: 6mm/s
 Stroke: 50~300mm
 Duty Cycle: 25%

IP Level: IP54 / IP65
 Min. Installation Dimension: 108mm+Stroke
 Certificate: EN55014-1, EN55014-2
 Preset Limit Switches
 Option: Hall Effect Sensor / Potentiometer
 Clamp
 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
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

LD3



Input: 12 / 24V DC
 Max. Push Load: 1000N
 Max. Pull Load: 1000N
 Max. Speed at No Load: 44mm/s
 Stroke: 50~300mm
 Duty Cycle: 25%

IP Level: IP54 / IP65
 Min. Installation Dimension: 108mm+Stroke
 Certificate: EN55014-1, EN55014-2
 Preset Limit Switches
 Option: Hall Effect Sensor / Potentiometer
 Clamp
 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
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

LD20



Input: 12 / 24V DC
 Max. Push Load: 2500N
 Max. Pull Load: 2500N
 Max. Speed at No Load: 30mm/s
 Stroke: 100~300mm
 Duty Cycle: 25%

IP Level: IP54 / IP65
 Min. Installation Dimension: 105mm+Stroke
 Preset Limit Switches
 Option: Hall Effect Sensor
 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
LD20-XX-10-G4-XXX	500	30.0	19.6	1.2	0.6	4.4	2.4
LD20-XX-20-G4-XXX	1000	16.1	11.2	1.0	0.5	4.4	2.3
LD20-XX-30-G4-XXX	1500	10.7	7.0	1.0	0.5	4.4	2.3
LD20-XX-40-G4-XXX	2000	7.9	5.5	1.0	0.5	4.4	2.2
LD20-XX-50-G4-XXX	2500	6.5	4.8	0.9	0.5	4.1	2.2

Actuator

MD50



Input: 24V DC
 Max. Push Load: 3500N
 Max. Pull Load: 2000N
 Max. Speed at No Load: 11mm/s
 Stroke: 50~600mm
 Duty Cycle: 10%

Min. Installation Dimension: 137mm+Stroke
 Certificate: EN60601-1-2, IEC 61000-4-2,
 IEC6100-4-8, IEC61000-4-3
 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	3500	2000	5	3.8	0.8	3.8
MD50-24-F3-XXX.XXX	2000	2000	11.4	9	0.3	2.7

MD51



Input: 24V DC
 Max. Push Load: 3500N
 Max. Pull Load: 2000N
 Max. Speed at No Load: 11mm/s
 Stroke: 100~600mm
 Duty Cycle: 10%

IP Level: IP66
 Min. Installation Dimension: 141mm+Stroke
 Certificate: EN60601-1-2, IEC 61000-4-2,
 IEC6100-4-8, IEC61000-4-3
 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	3500	2000	5	3.8	0.8	3.8
MD51-24-F3-XXX.XXX	2000	2000	11.4	9	0.3	2.7

MD52



Input: 24V DC
 Max. Push Load: 1000N
 Max. Pull Load: 1000N
 Max. Speed at No Load: 25mm/s
 Stroke: 100~300mm
 Duty Cycle: 10%

IP Level: IP66
 Min. Installation Dimension: 156mm+Stroke
 Stainless Front Connector
 Option: Potentiometer



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	1000	1000	25	18.5	1.5	5

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

MD53



Input: 24 / 36V DC
 Max. Push Load: 3500N
 Max. Pull Load: 2000N
 Max. Speed at No Load: 11mm/s
 Stroke: 100~300mm
 Duty Cycle: 10%

Min. Installation Dimension: 167mm+Stroke
 Preset Limit Switches
 Option: Potentiometer



Model No.	Max. Push Load (N)	Pull Max. (N)	Speed (mm/s)		Current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
MD53-XX-XXX.XXX-CXX	3500	2000	10.5	8.5	1	0.8	4.5	3.5

MD56



Input: 24V DC
 Max. Push Load: 5000N
 Max. Pull Load: 3500N
 Max. Speed at No Load: 48mm/s
 Stroke: 50~400mm
 Duty Cycle: 10%

IP Level: IP42 / IPX5
 Min. Installation Dimension: 156mm+Stroke
 Motor installation angle can be adjusted in every 30°
 Option: Hall Effect Sensor / Reed Sensor / Potentiometer
 Adjustable Limit Switches



Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V DC
			No load	Full load	Full load
MD56-X-24E3-XXX.XXX	5000	3500	5	3	4
MD56-X-24E6-XXX.XXX	2000	2000	18	14	7
MD56-X-24E9-XXX.XXX	1500	1500	42	20	7
MD56-X-24EC-XXX.XXX	1000	1000	48	24	7

Actuator

MD57



Input: 24V DC
 Max. Push Load: 4000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 11mm/s
 Stroke: 50~300mm
 Duty Cycle: 10%

IP Level: IP42 / IPX5
 Min. Installation Dimension: 127mm+Stroke
 Motor installation angle can be adjusted in whole 360°
 Option: Hall Effect Sensor / Reed Sensor / Potentiometer
 Adjustable Limit Switches



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
MD57-X-24K3-XXX.XXX	4000	4000	5	3.5	0.6	4
MD57-X-24K4-XXX.XXX	3200	3200	7	4.5	3	7
MD57-X-24K6-XXX.XXX	2700	2700	11	8	3	6.5
MD57-X-24K8-XXX.XXX	2300	2300	11	8	4	7

MD60



Input: 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 22mm/s
 Stroke: 60~400mm
 Duty Cycle: 10%

IP Level: IPX4 / IPX5
 Min. Installation Dimension: 154mm+Stroke
 Certificate: EN60601-1-2, CISPR 11, IEC61000-4-2, IEC61000-4-3, IEC61000-4-8
 Preset Limit Switches
 Option: Hall Effect Sensor
 Push only
 Safety Nut
 QR1 Quick Release
 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
MD60-24-A3-XXX.XXX-XXX	6000	4000	3.1	2.1	0.3	3.0
MD60-24-A4-XXX.XXX-XXX	6000	4000	4.2	2.5	0.3	3.5
MD60-24-A6-XXX.XXX-XXX	6000	4000	6.2	3.6	0.3	4.0
MD60-24-A8-XXX.XXX-XXX	6000	4000	8.3	5.0	0.3	4.5
MD60-24-AC-XXX.XXX-XXX	3000	2000	12.5	8.2	0.3	3.5
MD60-24-AG-XXX.XXX-XXX	1500	1500	16.6	12.0	0.3	3.0
MD60-24-K3-XXX.XXX-XXX	6000	4000	5.8	3.8	0.3	3.5
MD60-24-K4-XXX.XXX-XXX	6000	4000	7.2	4.5	0.3	4.2
MD60-24-K6-XXX.XXX-XXX	5000	4000	11.1	6.3	0.3	4.9
MD60-24-K8-XXX.XXX-XXX	4000	4000	15.4	8.6	0.3	4.7
MD60-24-KC-XXX.XXX-XXX	2500	2500	22.3	13.0	0.3	4.7

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

MD66



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 17mm/s
 Stroke: 50, 100, 150, 200, 250, 300mm
 Duty Cycle: 10%

IP Level: IPX4 / 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)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
MD66-XX-F3-XXX.XXX	6000	4000	4.1	2.8	1.2	0.6	5.2	2.6
MD66-XX-A4-XXX.XXX	6000	4000	4.2	2.9	0.8	0.4	5.4	2.7
MD66-XX-F4-XXX.XXX	5000	3500	5.5	4.4	0.8	0.4	5.6	2.8
MD66-XX-A6-XXX.XXX	4000	3000	6.2	3.8	0.4	0.2	5.0	2.5
MD66-XX-F6-XXX.XXX	4000	3000	8.2	6.6	1.0	0.5	5.6	2.8
MD66-XX-A8-XXX.XXX	3000	2500	8.3	5.0	0.6	0.3	5.4	2.7
MD66-XX-F8-XXX.XXX	3000	2500	11.0	8.2	1.0	0.5	5.8	2.9
MD66-XX-AG-XXX.XXX	1500	1500	16.6	12.2	0.4	0.2	5.6	2.8

MD7



Input: 12 / 24V DC
 Max. Push Load: 6000N
 Max. Pull Load: 4000N
 Max. Speed at No Load: 16mm/s
 Stroke: 50~300mm
 Duty Cycle: 10%

IP Level: IP54
 Min. Installation Dimension: 160mm+Stroke
 Certificate: EN60601-1-2
 Preset Limit Switches
 Option: Hall Effect Sensor
 Push only
 Safety Nut
 Turn 90° Pivot orientation of rear connector



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	3500	5.5	4.4	0.8	0.4	5.6	2.8
MD7-XX-A6-XXX.XXX	4000	3000	6.2	3.8	0.4	0.2	5.0	2.5
MD7-XX-F6-XXX.XXX	4000	3000	8.2	6.6	1.0	0.5	5.6	2.8
MD7-XX-A8-XXX.XXX	3000	2500	8.3	5.0	0.6	0.3	5.4	2.7
MD7-XX-F8-XXX.XXX	3000	2500	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

Actuator

MD80



Input: 24V DC
 Max. Push Load: 8000N
 Max. Pull Load: 6000N
 Max. Speed at No Load: 17mm/s
 Stroke: 50~400mm
 Duty Cycle: 10%

IP Level: IPX4 / IPX5
 Min. Installation Dimension: 210mm+Stroke
 Certificate: EN60601-1-2, EN55011, EN61000-4-2, EN61000-4-3, EN61000-4-8
 Preset Limit Switches
 Rear connector's pivot direction can be chosen in every 30 degrees
 Option: Push only
 Safety Nut
 QR2 Quick Release
 MR1 Manual Release



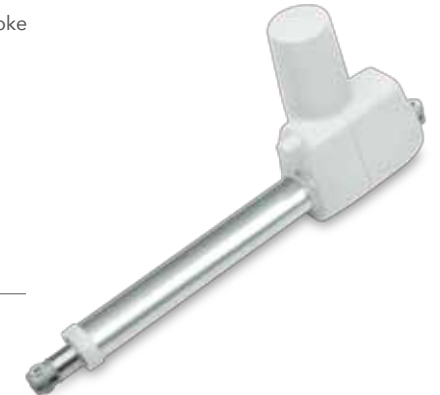
Model No.	Max. Push Load (N)	Max. Pull Load (N)	Speed (mm/s)		Current (A)@ 24V DC	
			No load	Full load	No load	Full load
MD80-24-A6-XXX.XXX-XXX	8000	6000	6.2	3.8	0.5	5.4
MD80-24-A8-XXX.XXX-XXX	8000	6000	8.3	5.5	0.5	5.5
MD80-24-K8-XXX.XXX-XXX	3000	3000	16.6	11.8	1.0	5.0

MD100



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

IP Level: IPX4 / IPX6
 Min. Installation Dimension: 210mm+Stroke
 Certificate: EN60601-1-2, EN61000-4-2, EN61000-4-3, EN61000-4-8
 Preset Limit Switches
 Stainless Extension Tube
 Aluminum Outer Tube
 Option: Push only
 Safety Nut (in push direction)
 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	8.5	5.6	1.2	7.0
MD100-24FC-XXX.XXX-XXXXXXX	10000	6000	10.2	6.9	1.8	9.0

MD80M



Input: 110 / 230V AC
 Max. Push Load: 8000N
 Max. Pull Load: 6000N
 Max. Speed at No Load: 17mm/s
 Stroke: 50~400mm
 Duty Cycle: 10%

IP Level: IPX4 / IPX5
 Min. Installation Dimension: 210mm+Stroke
 Certificate: EN60601-1-2, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11
 Preset Limit Switches
 Rear connector's pivot direction can be chosen in every 30 degrees
 Option: Push only
 Safety Nut



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-XXA6-XXX.XXX-XXX0XXX	8000	6000	6.2	3.8	0.5	5.4
MD80M-XXA8-XXX.XXX-XXX0XXX	8000	6000	8.3	5.5	0.5	5.5
MD80M-XXK8-XXX.XXX-XXX0XXX	3000	3000	16.6	11.8	1.0	5.0

MD120



Input: 24V DC
 Max. Push Load: 12000N
 Max. Pull Load: 6000N
 Max. Speed at No Load: 7mm/s
 Stroke: 100~400mm
 Duty Cycle: 10%

IP Level: IPX4 / IPX6
 Min. Installation Dimension: 230mm+Stroke
 Certificate: IEC60601-1, EN60601-1 (Planning)
 Preset Limit Switches
 Stainless Extension Tube
 Aluminum Outer Tube
 Option: Mechanical Push Only Extension Tube
 Electrical Push Only Function
 Manual Release Knob
 Hall Effect Sensor



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. Push Load: 3500N (ACME)
 7000N (Ball Screw)
 Max. Pull Load: 3500N (ACME)
 7000N (Ball Screw)
 Max. Speed at No Load: 67mm/s
 Stroke: 102~610mm
 Duty Cycle: 25%

IP Level: IP54 / IP65
 Min. Installation Dimension: 160mm+Stroke
 Certificate: RoHS, EN61000-6-1, EN61000-6-3
 ACME Type or Ball Screw Type
 Overload Protection by Clutch
 Option: Potentiometer
 Adjustable Limit Switches
 Manual Drive by Hand Crank



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	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

ID11



Input: 12 / 24V DC
 Max. Push Load: 3500N (ACME)
 7000N (Ball Screw)
 Max. Pull Load: 3500N (ACME)
 7000N (Ball Screw)
 Max. Speed at No Load: 34mm/s
 Stroke: 102~610mm
 Duty Cycle: 25%

IP Level: IP54 / IP65
 Min. Installation Dimension: 217mm+Stroke
 Certificate: EN61000-6-1, EN61000-6-3
 ACME Type or Ball Screw Type
 Overload Protection by Clutch
 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	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

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

ID12



Input: 12 / 24V DC
 Max. Push Load: 3500N (ACME)
 7000N (Ball Screw)
 Max. Pull Load: 3500N (ACME)
 7000N (Ball Screw)
 Max. Speed at No Load: 67mm/s
 Stroke: 102~610mm
 Duty Cycle: 25%

IP Level: IP54 / IP65
 Min. Installation Dimension: 166mm+Stroke
 Certificate: EN61000-6-1, EN61000-6-3
 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	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

ID13



Input: 12 / 24 / 90V DC
 Max. Push Load: 1200N (ACME)
 4000N (Ball Screw)
 Max. Pull Load: 1200N (ACME)
 4000N (Ball Screw)
 Max. Speed at No Load: 35mm/s
 Stroke: 50~350mm
 Duty Cycle: 10%

IP Level: IP54 / IP65
 Min. Installation Dimension: 215mm+Stroke
 ACME Type or Ball Screw Type
 Option: Hall Effect Sensor
 External Limit Switches (Reed Switch Type)



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-XX-XX-A-XXX	1200	1200	35	25	2	1	14	7
ID13-XX-XX-B-XXX	4000	4000	10	7	2	1	10	5

Actuator

ID10S



Input: 12 / 24V DC
 Max. Push Load: 5500N (ACME)
 9000N (Ball Screw)
 Max. Pull Load: 5500N (ACME)
 9000N (Ball Screw)
 Max. Speed at No Load: 6mm/s
 Stroke: 450~900mm
 Duty Cycle: 10%

IP Level: IP65
 Min. Installation Dimension: 314mm+Stroke
 Certificate: EN61000-4, EN61000-6
 ACME Type or Ball Screw Type
 Overload Protection by Clutch
 Adjustable Limit Switches
 Option: Hall Effect Sensor / Reed Sensor / 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
ID10S-XX40S5BXXX-XXXXXXX	7000	5.5	4.4	1.8	0.9	7.8	3.9
ID10S-XX40S5AXXX-XXXXXXX	4500	5.6	4.5	1.8	0.9	7.8	3.9

ID18



Input: 24 / 36V DC
 Max. Push Load: 9000N (ACME)
 12000N (Ball Screw)
 Max. Pull Load: 9000N (ACME)
 12000N (Ball Screw)
 Max. Speed at No Load: 3mm/s
 Stroke: 610 / 914 / 1219 mm
 Duty Cycle: 10%

IP Level: IP54 / IP65
 Min. Installation Dimension: 453mm+Stroke
 ACME Type or Ball Screw Type
 Adjustable Limit Switches
 Option: Hall Effect Sensor / Reed Sensor / Potentiometer



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	1.9	1.4	24	0.9	3.9
ID18-3658S3AXXX-XXXXXXX	9000	1.9	1.4	36	0.3	3.0
ID18-2458S5BXXX-XXXXXXX	12000	3.0	2.8	24	0.4	2.8

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

IA5



Input: 120 / 230V AC
 Max. Push Load: 3500N (ACME)
 7000N (Ball Screw)
 Max. Pull Load: 3500N (ACME)
 7000N (Ball Screw)
 Max. Speed at No Load: 53mm/s
 Stroke: 102~610mm
 Duty Cycle: 25%

IP Level: IP54 / IP65
 Min. Installation Dimension: 160mm+Stroke
 Certificate: EN61000-3, EN61000-4, EN61000-6
 ACME Type or Ball Screw Type
 Thermal Overload Protection
 Option: Potentiometer
 Adjustable Limit Switches



Model No.	Max. Push/Pull Load (N)	Speed (mm/s)		Current (A)			
		No load	Full load	No load		Full load	
				115V	230V	115V	230V
IA5-XX-10-A-XXX	1500	26.5	22.9	2.8	1.8	3.1	2.0
IA5-XX-20-A-XXX	2500	13.1	11.8	2.5	1.9	2.7	2.3
IA5-XX-40-A-XXX	3500	6.6	6.0	2.5	1.9	2.8	2.5
IA5-XX-05-B-XXX	2500	52.8	40.8	2.4	1.8	3.6	1.9
IA5-XX-10-B-XXX	3000	26.5	22.9	2.4	1.8	3.2	2.0
IA5-XX-20-B-XXX	4500	13.1	11.8	2.3	1.9	2.5	2.3
IA5-XX-30-B-XXX	6000	8.7	7.9	2.3	1.9	2.7	2.4
IA5-XX-40-B-XXX	7000	6.6	6.0	2.3	1.9	2.8	2.6

DK02



Solution for Electric Lifting Table/Desk

Included a control box, a control panel, a gear motor and 2 leg spindles
 Input: 100~240V AC
 Max. Load: 1000N
 Max. Speed: 22mm/s
 Stroke: 300~500mm



Actuator

BJ



Ball Screw Actuator for RV

Input: 12V DC
Max. Load: 4500N
Max. Speed: 41mm/s
Stroke: 1005mm
Duty Cycle: 10%
Overload Clutch Protection



CJ



Coupler and Jack for manufactured house



Coupler

Opening Angle: 50° / 60° degree
Max. Load: 6000kg (13200lb)



Jack

Max. Load: 5681kg (12500lb)
Stroke: 288mm (12")

LJ



Manual Drive Landing Jack for RV

Including a master jack and a slave jack
Max. Load: 15000N
Stroke: 530mm
Option: Motor drive with MG-L2 gear motor



SC



Stabilizing Jack for RV

Height: 610mm (24") / 762mm (30")
Max. Load: Double Lite 24": 1134 kg(2500lb)
Lite 24": 2268kg (5000lb)
Regular 24" / 30": 3402kg (7500lb)
Option: Crank Handle



Lite



Regular

SC-M



Motorized Scissor Jack

Motor Voltage: 12V DC
Rotation Speed: 200rpm
Drive by one switch
Thermal Overload Protection
Manual drive while out of power
IP Level: IP54
Option: Crank Handle



SC-Y



Single Leg Scissor Jack for small sized RV

Max. Load: 454.5kg (1000lb)
Extended quickly
Option: Crank Handle



Twinmat

TW40/TW60



Input: 100 / 120 / 230 / 100~230V AC
Max. Load: 2 * 4500N (TW40) / 2 * 6000N (TW60)
Overload Protection Current: 3A (TW40) / 5A (TW60)
Max. Speed at No Load: 5mm/s
Stroke: 29~87mm
Duty Cycle: 10%
IP Level: IP43 / IPX4
9V DC Backup Batteries *2
Option: Position Memory Function
External/Internal Switching Mode Power Supply
Drive Additional 1~2 Actuators
Safety Plug (Mains cut-off)
Color: Light Gray (RAL 7035)



TW41/TW61



Input: 100 / 120 / 230 / 100~230V AC
Max. Load: 2 * 4500N (TW41) / 2 * 6000N (TW61)
Overload Protection Current: 3A (TW41) / 5A (TW61)
Max. Speed at No Load: 5mm/s
Stroke: 29~87mm
Duty Cycle: 10%
IP Level: IP43 / IPX4
9V DC Backup Batteries *2
Option: Position Memory Function
External / Internal Switching Mode Power Supply
Drive Additional 1~2 Actuators
Massage Function
Safety Plug (Mains cut-off)
Color: Light Gray (RAL 7035)



TW42



Input: 100 / 120 / 230 / 240 / 100~240V AC
Max. Load: 2 * 4500N
Overload Protection Current: 3A
Max. Speed at No Load: 5mm/s
Stroke: 29~87mm
Duty Cycle: 10%
IP Level: IP43
9V DC Backup Batteries *2
Option: External Switching Mode Power Supply
Color: Light gray (RAL 7035)



TW43



Input: 100 / 120 / 230 / 240 / 100~240V AC
Max. Load: 2 * 4500N
Overload Protection Current: 3.75A
Max. Speed at No Load: 5mm/s
Stroke: 29~87mm
Duty Cycle: 10%
IP Level: IP20
Internal Switch Mode Power Supply



Control Box

T Control



Dimensions: 116*103*72mm
Input: 100 / 120 / 230 / 100~230V AC
Output: 24V DC
Overload Protection Current: 3A
Number of Actuators: 3
Duty Cycle: 10%
IP Level: IP20
Protection Class: II
Certificate: UL962, PSE, C-Tick, RoHS, EN60335-1,
EN55014-1, EN55014-2, EN50366, IEC61000-3,
IEC 61000-4, IEC60335-1
Mounted on FD60 Actuator
Mounting Plate
Emergency Lowering Function
Option: Switching Mode Power Supply
Safety Plug to AC power (SP4, SP5)



TR11



Dimensions: 116*103*72mm
Input: 100 / 120 / 230 / 100~230V AC
Output: 24V DC
Overload Protection Current: 3A
Number of Actuators: 1
Duty Cycle: 10%
IP Level: IP20
Protection Class: II
Mounted on FD60 Actuator
Mounting Plate
Emergency Lowering Function
Equipped with 2 IR sensors
Anti-Pinch Function by IR sensors
Option: Switching Mode Power Supply
Safety Plug to AC power (SP4, SP5)



TL01



Dimensions: 116*103*72mm
Input: 110V AC 60Hz / 230V AC 50Hz
Output: 24V DC
Overload Protection Current: 3A
Number of Actuators: 4
Duty Cycle: 10%
IP Level: IP20
Protection Class: II
Emergency Lowering Function
Option: Safety Plug
Mounting Plate



CBT2



Dimensions: 116*103*94mm
Input: 120 V AC 60Hz / 230 V AC 50Hz / 100~240V AC 50,60Hz
Output: 12 / 24V DC
Overload Protection Current: 3A@24V / 6A@12V
Number of Actuators: 3
Duty Cycle: 10%
IP Level: IP20
Protection Class: I / II
9V DC Backup Batteries *2
Detachable AC Power Cord
Option: Mounting Plate



CB3T



Dimensions: 203*111*77mm
Input: 230V AC 50Hz / 120V AC 60Hz / 100~240V AC 50,60Hz
Output: 12 / 24V DC
Overload Protection Current: 3A
Number of Actuators: 3
Duty Cycle: 10%
IP Level: IP20
Protection Class: II
Certificate: EN60335-1, EN55014-1, EN55014-2
Option: High Power Transformer
Synchronization of 2 Actuators
Internal Switching Mode Power Supply



CB4M



Dimensions: 277*137*89mm
Input: 230V AC 50Hz / 110V AC 60Hz
Output: 12 / 24V DC
Overload Protection Current: 3A@24V / 6A@12V
Number of Actuators: 4
Duty Cycle: 10%
IP Level: IP20
Protection Class: II
Certificate: CISPR14-1, EN50366, EN55014-1,
EN55014-2, EN60335-1, EN61000-3
Option: Rechargeable Batteries
Charger Function
2 or 4-Actuator Synchronization
Detachable AC Power Cord

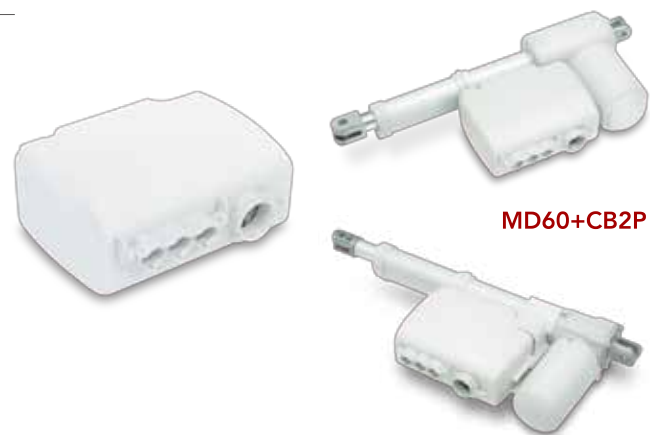


Control Box

CB2P



Dimensions: 172*136*75mm
 Input: 230V AC 50Hz / 110V AC 60Hz
 Output: 12 / 24V DC
 Overload Protection Current: 3~4A
 Number of Actuators: 2
 Duty Cycle: 10%
 IP Level: IP65
 Protection Class: II
 Certificate: EN 60601-1, EN 60601-1-2
 Can be attached to MD60/MD66/MD7 as an integrated set
 9V DC Backup Batteries *2
 Option: C Clip: To fix CB2P onto actuator



MD60+CB2P

MD7+CB2P

CB4P



Dimensions: 321*137*92mm
 Input: 120V AC 60Hz / 230V AC 50Hz
 Output: 24V DC
 Overload Protection Current: 4A / 3A / 7.5A / 9A
 Number of Actuators: 4
 Duty Cycle: 10%
 IP Level: IPX4
 Protection Class: I
 Certificate: EN60601-1, EN60601-1-2
 Option: Charger Function
 Charger Function includes 12V DC 1.3AH battery *2
 High Power Version
 Synchronization Version



CB5P



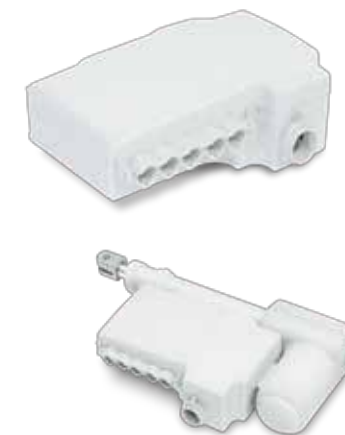
Dimensions: 325*140*96mm
 Input: 100 / 120 / 230V AC
 Output: 24V DC
 Overload Protection Current: 5~9A
 Number of Actuators: 5
 Duty Cycle: 10%
 IP Level: IPX4 / IPX6
 Protection Class: II
 Certificate: EN60601-1-2
 Option: Rechargeable Batteries



MD6C



Dimensions: 119*82*95mm
 Input: 100 / 120 / 230V AC
 Output: 24V DC
 Overload Protection Current: 3~4A
 Number of Actuators: 4
 Duty Cycle: 10%
 IP Level: IPX4 / IPX5
 Protection Class: II
 Certificate: EN60601-1-2, EN550011, EN61000-3-2, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5
 Can be attached to MD60/MD66 as an integrated set
 Support emergency lowering function with batteries
 Option: C Clip: To fix MD6C onto actuators



MD60+MD6C

MD7C



Dimensions: 152*148*106mm
 Input: 100 / 120 / 230V AC
 Output: 24V DC
 Overload Protection Current: 3~4A
 Number of Actuators: 4
 Duty Cycle: 10%
 IP Level: IPX4
 Protection Class: I
 Certificate: IEC/EN 60601-1, IEC/EN 60601-1-2
 Can be attached to MD7 as an integrated set
 Support emergency lowering function with batteries



MD7+MD7C

CBP2



Dimensions: 430*128*118mm
 Input: 100 / 120 / 230V AC
 Output: 24V DC
 Overload Protection Current: 5~9A
 Number of Actuators: 2
 Duty Cycle: 10%
 IP Level: IP65
 Protection Class: II
 Certificate: UL:E464256, CISPR 11, IEC61000-3, IEC61000-4
 Option: Battery level indicator on BTP1 battery pack
 Batteries Balance Function



Control Box

CS1



Dimensions: 101*90*40mm
Input: 29V DC
Output: 29V DC
Overload Protection Current: 3A
Number of Actuators: 2
Duty Cycle: 10%
IP Level: IP42
Protection Class: II
Certificate: EN55014-1, EN55014-2, IEC61000-4-2
Mounted on FD60 Actuator
Mounting Plate
Option: Anti-Pull Accessory (for H type 180° DIN plug)
TSW2 with Emergency Lowering Function by batteries



CS2



Dimensions: 142*96*43mm
Input: 29V DC
Output: 29V DC
Overload Protection Current: 3A
Number of Actuators: 4
Duty Cycle: 10%
IP Level: IP42
Protection Class: II
Mounted on FD60 Actuator
Mounting Plate
Option: TSW2 with Emergency Lowering Function by batteries
Color: Black



CI10



Dimensions: 254*225*161mm
Input: 110V AC 60Hz / 230V AC 50Hz
Output: 24V DC
Overload Protection Current: 13A
Number of Actuators: 1
Duty Cycle: 10%
Protection Class: II
Emergency Stop Button
Power indicator LED



CIS1



Synchronization Control Box

Dimensions: 281*224*106mm
Input: 24V DC
Output: 24V DC
Overload Protection Current: 7.5A
Number of Actuators: 2
Duty Cycle: 10%
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*224*106mm
Input: 12V DC
Output: 12V DC
Overload Protection Current: 12A
Number of Actuators: 2
Duty Cycle: 10%
Work with signals of Hall Effect Sensor or Reed Sensor
Memory Function
Battery Charging Function (AC input or Solar input)
Option: Battery Charger

CIS3



Synchronization and High Current Control Box

Dimensions: 281*224*106mm
Input: 24V DC
Output: 24V DC
Overload Protection Current: 13A
Number of Actuators: 2
Duty Cycle: 10%
Work with signals of Potentiometer
Memory Function
Option: Software Limit Protection



Handset

HB



Dimensions: 158*55*22mm
 Max. Number of Actuators: 1
 Max. Available Buttons: 2
 Work with Transformer Box or Switching Mode Power Supply
 With Hook
 LED Indicator
 Option: Safety key



H2B



Dimensions: 110*43*24mm
 Max. Number of Actuators: 1
 Max. Available Buttons: 2
 IP Level: IP20
 Work with Transformer Box or Switching Mode Power Supply
 With Hook
 LED Indicator



HC



Dimensions: 161*55*19mm
 Max. Number of Actuators: 4
 Max. Available Buttons: 10
 With Hook
 LED Indicator



HD



Dimensions: 146*56*22mm
 Max. Number of Actuators: 3
 Max. Available Buttons: 8
 With Hook
 LED Indicator
 Option: Color: Light Gray (RAL 7035)



H2D



Dimensions: 180*75*20mm
 Max. Number of Actuators: 3
 Max. Available Buttons: 12
 IP Level: IPX4
 With Hook
 LED Indicator
 Option: Nurse Lock



HF



Dimensions: 180*60*26mm
 Max. Number of Actuators: 4
 Max. Available Buttons: 10
 IP Level: IPX4
 With Hook
 LED Indicator
 Option: Safety Key



H3F



Dimensions: 170*55*26mm
 Max. Number of Actuators: 3
 Max. Available Buttons: 8
 IP Level: IPX4 / IPX6
 With Hook
 Back-Light



HI



Dimensions: 139*50*28mm
 Max. Number of Actuators: 3
 Max. Available Buttons: 9
 With Hook
 Option: LED Indicator
 Safety Key



HJ



Dimensions: 95*50*16mm
 Max. Number of Actuators: 3
 Max. Available Buttons: 6
 IP Level: IP20
 With Hook
 Option: Hook (50mm gap) / Hook (30mm gap)
 Magnetic Back Cover



HM



Dimensions: 142*58*25mm
 Max. Number of Actuators: 4
 Max. Available Buttons: 8
 With Hook
 LED Indicator
 Option: Color: Light Gray (RAL 7035)
 Safety Key



Handset

H2N



Dimensions: 127*51*16mm
 Max. Number of Actuators: 4
 Max. Available Buttons: 9
 LED Torch
 Option: Holder with or without hook



H3N



Dimensions: 162*60*21mm
 Max. Number of Actuators: 2
 Max. Available Buttons: 10
 LED Torch
 Option: Holder with or without hook



H3NT



Dimensions: 162*60*21mm
 Max. Number of Actuators: 2
 Max. Available Buttons: 7
 IP Level: IP20
 With Hook
 LED Torch
 Excellent Back-Light (Blue)
 With Touch Sensor
 Option: Joint Movement for 2 Motors
 Larger Gap Hook (nominal 50mm)
 Holder with or without hook
 Matt Black Painting



HT



Dimensions: 165*65*17mm
 Max. Number of Actuators: 4
 Max. Available Buttons: 10
 IP Level: IPX5
 With Hook
 LED Indicator
 Option: Joint Movement for 2 Motors
 Synchronization for 2 Motors
 Nurse Lock



H3T



Dimensions: 180*63*19mm
 Max. Number of Actuators: 4
 Max. Available Buttons: 10
 IP Level: IPX5
 With Hook
 LED Indicator
 Option: Joint Movement for 2 Motors
 Synchronization for 2 Motors
 Nurse Lock



HTF



Dimensions: 165*59*17mm
 Max. Number of Actuators: 2
 Max. Available Buttons: 4
 IP Level: IPX5
 For patient lift use
 With Hook



HR



Diameter: 54mm
 Depth: 34mm
 Max. Number of Actuators: 1
 Max. Available Buttons: 2
 Mounted into the recliner directly



H2Z



Dimensions: 144*54*23mm
 Max. Number of Actuators: 2
 Max. Available Buttons: 6
 IP Level: IP20
 With Hook
 LED Indicator



TXH



Dimensions: 158*51*25mm
 Max. Number of Actuators: 3
 Max. Available Buttons: 9
 IP Level: IP20
 RF Remote Handset
 Paired with TXA Receiver
 With Hook
 LED Indicator
 Option: Joint Movement
 Memory Function



TXT



Dimensions: 160*60*29mm
 Max. Number of Actuators: 2
 Max. Available Buttons: 10
 RF Remote Handset
 Paired with TXA Receiver
 With Hook
 LED Torch
 Option: Memory Function



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)
- Support charging function by solar energy (7W solar panel 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)
- Support charging function by solar energy (7W solar panel is optional)



SW12 Actuator



SW40 Actuator



CAK1 Control Box



XM4H Remote Control



WLT1 Warning Light



IPH1 Photocells

Gate Opener

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)
- Support charging function by solar energy (7W solar panel is optional)
- Soft stop for more security



SL20 Motor



SL35 Motor



XM4H Remote Control



WLT1 Warning Light



IPH1 Photocells



Tooth Rack

XM4H / XA4H



Remote Control

Frequency: 433.92MHz with rolling code
 4 buttons, up to 10 channels
 Battery: 12V/A27 (XM4H) , 12V/A23 (XA4H)



XM4H



XA4H

WLT1 / WLT5



Warning Light

Input: 12V DC / 10W
 Provide flashing signals during gate movement and obstacle detection



WLT1



WLT5

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 long coaxial cable
 Increase the range of remote control up to 30m



Gate Opener

RKP2



Wireless Keypad

Frequency: 433.92MHz 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 all 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
 Dimensions: 115(L) x 115(W) x 55(H) mm
 Weight: 337g



ARCV



Additional Receiver

Frequency: 433.92 MHz
 Input: 12V DC
 Standby Current: 15mA
 Dimensions: 132(L)*30(W)*67(H)mm
 Weight: 105 g
 Number of Channels: 2
 Memory Cells: 30 Max. for 2 channels
 Enable Relay Control by RF Remote
 Rolling Code
 Bi-channel RF Learning and Operation
 Partial Code Deletion or Replacement



BKT3



Battery Box

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



SPN2



Solar Panel

Rated Power: 7W
 Compatible with Moteck gate opener control box



Gear Motor

MG-L2



Quick Landing Gear Motor

Input: 12V DC
 Max. Torque: 20N-m
 Max. Speed: 170 rpm
 Max. Current: 20A
 Gear Ratio: 35:1
 Duty Cycle: 10%
 Ball Betent Clutch



MG-W1



Right-Angle Gear Motor (Right Side) / Window Wiper Motor

Input: 12 / 24V DC
 Max. Torque: 2N-m
 Max. Speed: 68 rpm
 Max. Current: 6A / 3A
 Gear Ratio: 56:1
 Duty Cycle: 10%



MG-W2



Right-Angle Gear Motor (Left Side) / Window Wiper Motor

Input: 12 / 24V DC
 Max. Torque: 2N-m
 Max. Speed: 90 rpm
 Max. Current: 6A / 3A
 Gear Ratio: 53:1
 Duty Cycle: 10%

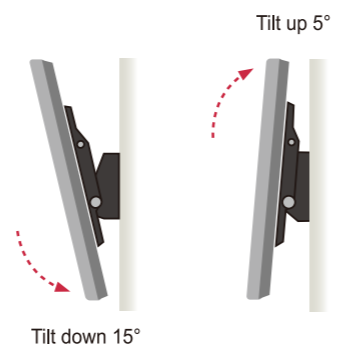


TV Mount

TVM1



Suitable TV: 42" ~ 62"
Max. Load: 60KG
Input: 120 / 230V AC



TVM2



Suitable TV: 60"
Max. Load: 60KG
Input: 120 / 230V AC
Stroke: 610 / 780 / 914mm



Control Box



Wired Handset



Remote Control

TVM3



Suitable TV: 42"
Max. Load: 60KG
Input: 120 / 230V AC
Stroke: 680mm



Control Box



Wired Handset



Remote Control

Accessory

TXA



RF Receiver

Connect to T Control or Twinmant
 Pair with TXH or TXT wireless handset
 Operating Distance: 5m
 Support emergency "All Down" function
 Option: Memory Function
 Battery Saving Function



TBA



Bluetooth Receiver

Connect to T Control or Twinmant
 Pair with android smartphone
 Support emergency lowering function by batteries



FS1



Foot Switch

Max. Number of Actuators: 1
 IP Level: IPX4 / IPX6



FS2



Foot Switch

Max. Number of Actuators: 3
 IP Level: IPX4 / IPX6
 LED Indicator



NL1



Nurse Lock

Compatible Product: CB4P-NL
 Work with handset
 Operate up to 3 actuators movements
 Max. Available Buttons: 2
 Max. Number of Actuators: 3



HDU



Control Panel

Compatible Product: TV Mount
 Max. Available Buttons: 6
 Max. Number of Actuators: 3
 Option: Color: Gray (RAL7035)



TSE



Separate Transformer Box

Input: 100 / 120 / 230 V AC, 60 / 50Hz
 Output: 12 / 24V DC @ 3 / 6A Max.
 Duty Cycle: 10%
 Support emergency lowering function by batteries



TST



Separate Transformer Box

Input: 100 / 120 / 230V AC, 60 / 50Hz
 Output: 24 / 12V DC @ 6 / 12 A Max.
 Duty Cycle: 10%



TSW1



Switching Mode Power Supply

Compatible Product: TW41, TW61, CS1, CS2
 Input: 100~240V AC
 Output: 29V DC 2A
 Duty Cycle: 10%
 Output Over Voltage Protection
 Input / Output Over Current Protection
 Output Short Circuit Protection
 Option: Fixing Plate



TSW2



Switching Mode Power Supply

Compatible Product: TW41, TW61, CS1, CS2
 Input: 100~240V AC
 Output: 29V DC 2A
 Duty Cycle: 10%
 Output Over Voltage Protection
 Input / Output Over Current Protection
 Output Short Circuit Protection
 Support emergency lowering function by batteries



TSW3



Switching Mode Power Supply

Compatible Product: TW41, TW61, CS1, CS2
 Input: 100~240V AC
 Output: 29V DC 3A
 Duty Cycle: 10%
 Output Over Voltage Protection
 Input / Output Over Current Protection
 Output Short Circuit Protection
 Option: Fixing Plate



TSW4



Switching Mode Power Supply

Compatible Product: HB, H2B, FD-DL
 Input: 100~240V AC
 Output: 29V DC 1A
 Duty Cycle: 10%
 Output Over Voltage Protection
 Input / Output Over Current Protection
 Output Short Circuit Protection



Accessory

VM01



Massage Motor

Compatible Product: Double Motor: TW41 , TW61
Handset: RF TXH5

Input: 24V DC
Current: 0.5A
Built-in Thermal Protection
Option: Mounting Bracket



SP4 / SP5



Safety Plug

Compatible Product: TW40, TW60, TW41, TW61,
T Control, TR11, TL01

An option for control box or twinmat
Can cut off AC power while no operation
Plug Type: EU / US / UK



ACLB



AC Lock Box

Compatible Product: CB4P, MD7C, CBP2, MD6C

Input: 120 / 230V AC
Stand-by Power Consumption: 2VA
Max. Power Consumption: 414VA
IP Level: IP54 / IP65
Option: 2-Pin or 3-Pin Plug Types



External Limit Switch



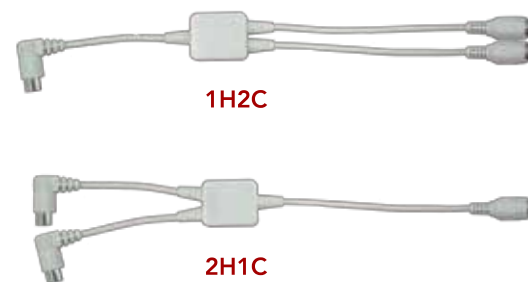
Determine the positioning or the end of travel of actuators
IP Level: IPX5



Y Cable



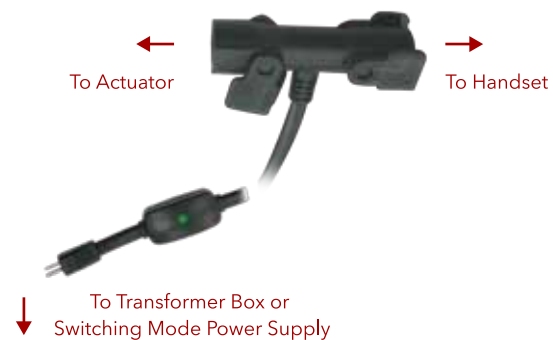
Connection of additional handset or control box
Option: 2H1C: 2 handsets work with 1 control box
1H2C: 1 handset works with 2 control boxes



T Connector



Compatible Product: HB, H2B handset and
Moteck actuator with F type plug
Option: DC power LED Indicator



Extension Cable



Extension cable for actuator or handset
Option: Anti-Pull Joint



Standard



Anti-Pull

Crank Handle



Compatible Product: SC , LJ
For scissor jacks to manual operate while out of power
Customization is available



For LJ



For SC



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