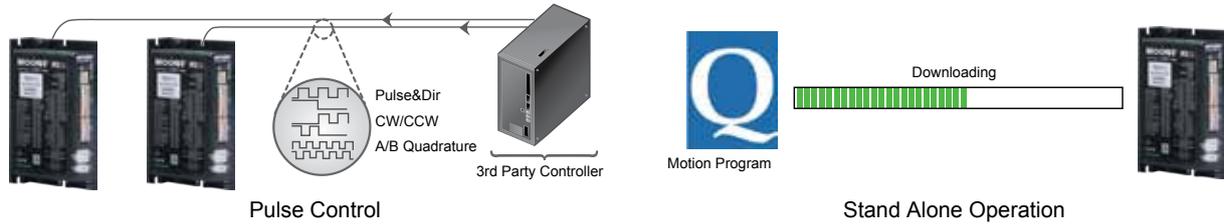# MOONS'
moving in better ways

RS Step-Servo

New
3rd Generation Step-Servo

- Closed loop step system with servo control
  - Intelligent built-in controller
    - Efficient, smooth, accurate & fast
      - Low vibration, low noise, low heat
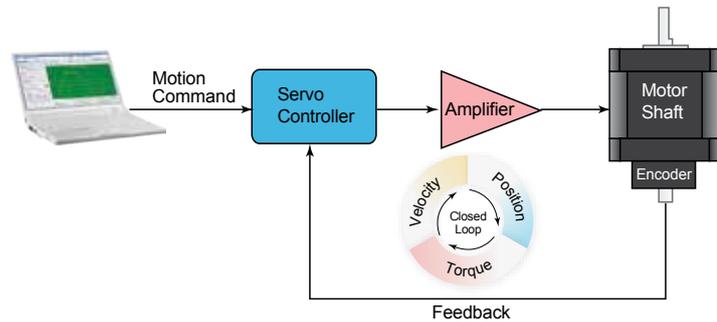   - Enhanced motor optimized design

Closed Loop

CE RoHS Compliant

The **S**tep-**S**ervo is an innovative revolution for the world of stepper motor, it enhances the stepper motors with servo technology to create a product with exceptional feature and broad capability.

■ Multi-functional Capability

Pulse&Dir
CW/CCW
A/B Quadrature

3rd Party Controller

Motion Program
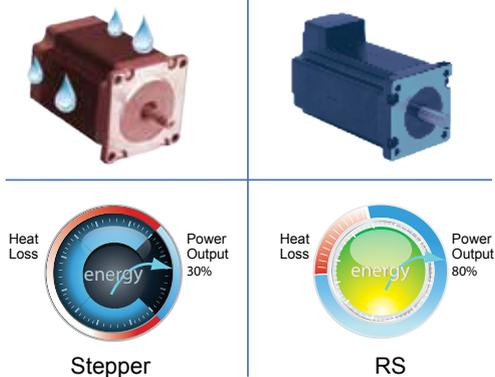
Downloading

Pulse Control

Stand Alone Operation

■ Closed Loop

- Very tight position and velocity control for the most demanding applications.
- Robust servo loops that tolerate wide fluctuation in load inertia and frictional loading.
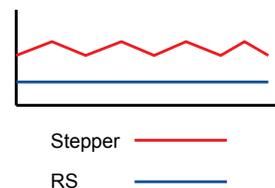- Precise positioning to within ± 0.2° using high resolution(4096 counts/rev) encoder.

Motion Command

Servo Controller

Amplifier

Motor Shaft

Encoder

Velocity / Position / Torque
Closed Loop

Feedback

■ Low Heating/High Efficiency

Heat Loss — energy — Power Output 30%

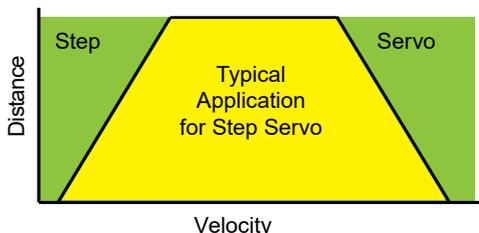Heat Loss — energy — Power Output 80%

Stepper

RS

- Uses only the current required by the application, generating minimum heat output.
- When stand-still, current can reach nearly zero for extremely low heat output.
- Being able to use almost 100% of torque, allows for more efficient and compact motor usage.

■ Smooth & Accurate

- Space vector current control with 1024 line high resolution encoder, gives smooth and quiet operation, especially at low speeds.
  ------A feature never found with traditional stepping motors
- High stiffness due to the nature of the stepping motor combined with the highly responsive servo control
 ------Accurate position control both while running and static positioning

Stepper ———
RS ———

±1 Count Error
(4096 counts/rev)

■ Fast Response

Distance

Step

Servo

Typical Application for Step Servo

Velocity

- When performing fast point-to-point moves, the high torque output and advanced servo control provides a very responsive system far exceeding what can be done with a conventional stepper system.

■ High Torque

- Because the *Step-Servo* operates in full servo mode, all the available torque of the motor can be used.

- The motor can provide as much as 50% more torque in many applications. High torque capability often eliminates the need for gear reduction.

- Boost torque capability can provide as much as 50% more torque for short, quick moves.

150% Boost

70% Stepper

100% Continuous

Rated Torque

RS
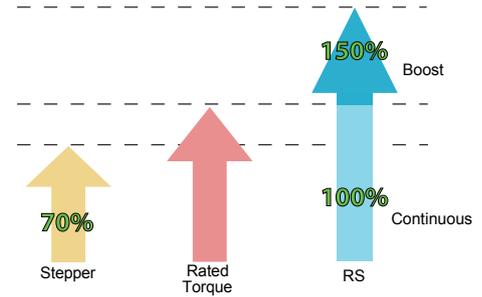
■ Motion Monitoring

- For difficult control situations where performing a precise move is necessary, the *Stepper Suite* provide an easy to use interface for performing and monitoring the motion profile.

- Many common parameters such as Actual Speed or Position Error can be monitored to evaluate system performance.

- The monitoring is interactive with the servo tuning capability so that optimum performance can be achieved.

■ Easy Tuning

1:10   1:5   1:1

Load Inertia
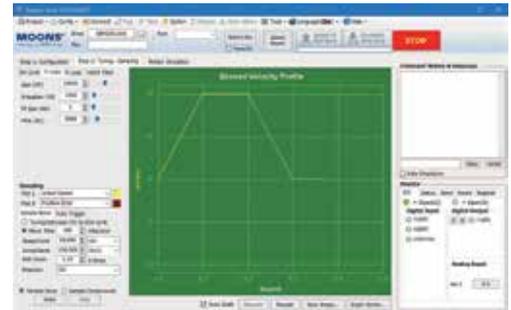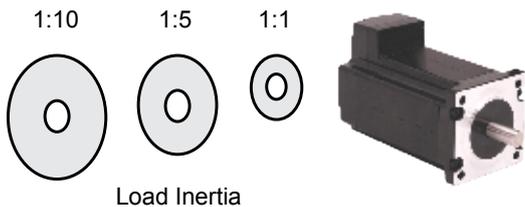
- Pre-defined tuning parameters for maximum control performance and stability.

- Easy selection list provides the level of control desired.

- In most cases NO extra manual tuning is required.

■ Key Features

- Up to 4 digital inputs, 3 digital outputs for P/S/Q type

- AOUT+/- BOUT+/- ZOUT+/- differential encoder signal outputs for P type

- Automatic load inertia detection

- Multiple homing methods for S/Q type

- Software limit for S/Q type

■ Software

Stepper Suite

Stepper Suite

- Friendly User Interface
- Easy setup within just three steps
- Drive setup and configuration
- Servo Tuning and Sampling
- Built-in Q programmer
- Motion testing and monitoring
- Write and save SCL command scripts
- Online help integrated
- Support all products in RSM/SSM/TSM/ TXM/RS/SS/SSDCSeries and STF Stepper Driver
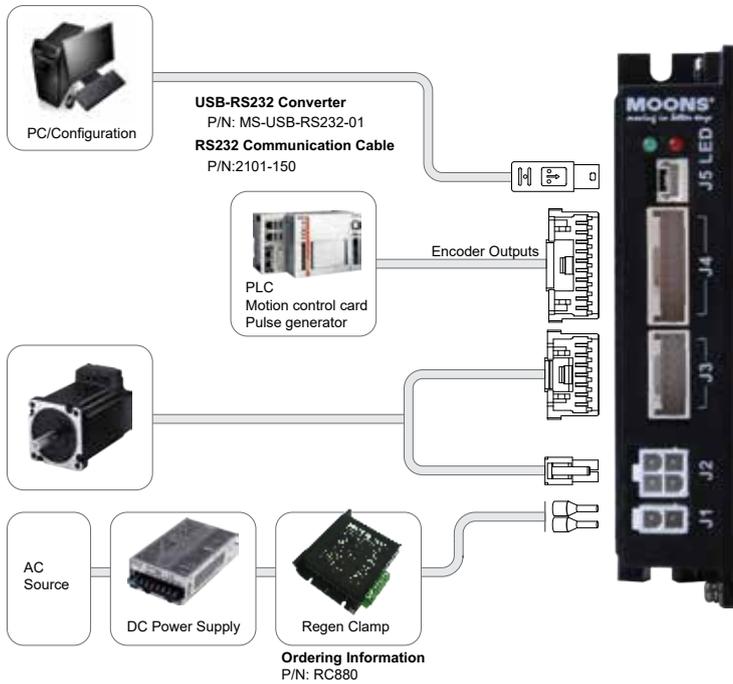
Built-in Q Programming

Q Programmer

- Single-axis motion control
- Stored program execution
- Multi-tasking
- Conditional processing
- Math functions
- Data registers
- Motion profile simulation
- Online help integrated

FREE DOWNLOAD
Our software and user manual can be downloaded from our website:
www.moonsindustries.com

System Configuration

USB-RS232 Converter
P/N: MS-USB-RS232-01

RS232 Communication Cable
P/N:2101-150

PC/Configuration

PLC
Motion control card
Pulse generator

Encoder Outputs

AC Source

DC Power Supply

Regen Clamp

Ordering Information
P/N: RC880

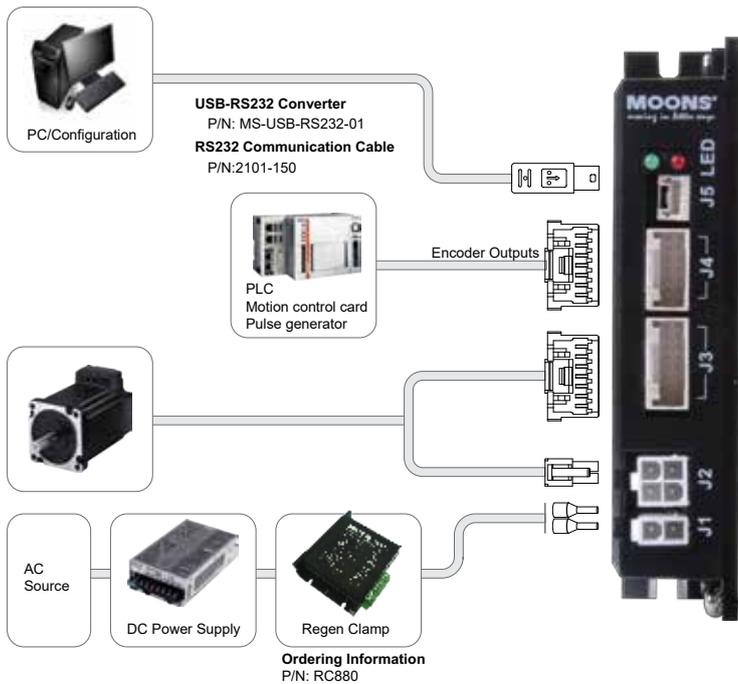## ◇ -P Software Setting Pulse Input Type

Controlled via pulse generator.

Main Features

- Accepts three types of pulse signal input as Pulse&Direction, CW/CCW and A/B Quadrature
- Encoder Outputs

USB-RS232 Converter
P/N: MS-USB-RS232-01

RS232 Communication Cable
P/N:2101-150

PC/Configuration

PLC
Motion control card
Pulse generator

Encoder Outputs

AC Source

DC Power Supply
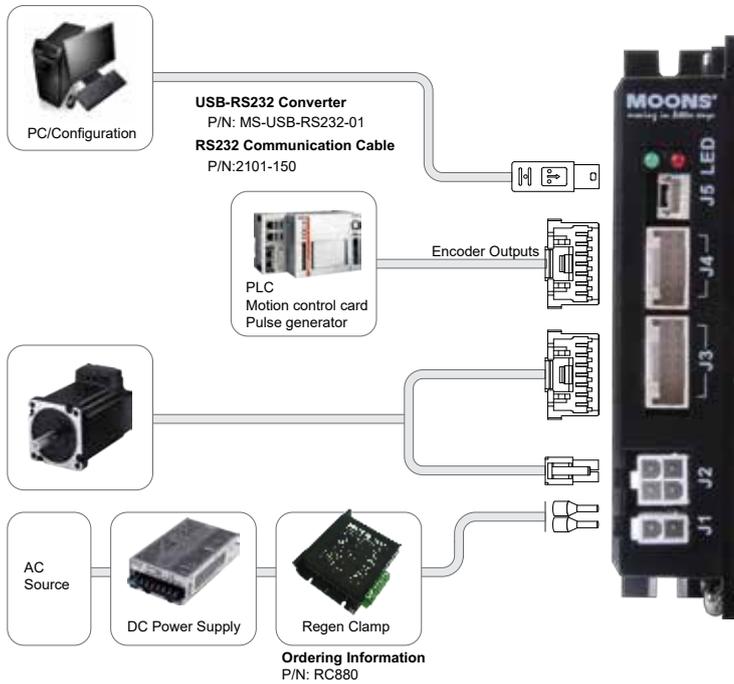
Regen Clamp

Ordering Information
P/N: RC880

◇ -S Basic Type with Serial Communication

Controlled via pulse signals, or MOONS' SCL streaming series commands.

Main Features

- Pulse control
- Host real time control using SCL via RS-232

PC/Configuration

USB-RS232 Converter
P/N: MS-USB-RS232-01

RS232 Communication Cable
P/N:2101-150

Encoder Outputs

PLC
Motion control card
Pulse generator

MOONS'
J5 LED
J4
J3
J2
J1

AC Source

DC Power Supply

Regen Clamp

Ordering Information
P/N: RC880

◇ -Q Built-in Programmable Motion Controller

Run stand-alone with sophisticated and functional programs. Commands for controlling motion, inputs & outputs, drive configuration and status, as well as math operations, register manipulation, and multi-tasking.

Main Features

- Stand-alone operation plus Serial host control
- Math operations
- Register manipulation
- Multi-tasking
- With all features in S type

■ Drive Specifications

Power Amplifier	
Amplifier Type	Dual H-Bridge, 4 Quadrant
Current Control	4 state PWM at 20 KHz
Output Current	RS03: Continuous Current 3A max, Boost Current 4.0A max (1.5s), current limitation auto set-up by attached motor
	RS06: Continuous Current 6A max, Boost Current 7.5A max (1.5s), current limitation auto set-up by attached motor
	RS10: Continuous Current 10A max, Boost Current 12A max (1.5s), current limitation auto set-up by attached motor
Power Supply	External nominal 24 - 70 volt DC power supply required, Absolute maximum input voltage range 18 - 75 VDC
Protection	Over-voltage, under-voltage, over-temp, motor/winding shorts (phase-to-phase, phase-to-ground)
Controller	
Electronic Gearing	Software selectable from 200 to 51200 steps/rev in increments of 2 steps/rev
Filters	Digital input noise filter, Smoothing filter, PID filter, Notch filter
Non-Volatile Storage	Configurations are saved in FLASH memory on-board the DSP
Modes of Operation	P type: Position Mode(Pulse & Direction, CW & CCW Pulse, A/B Quadrature) S type: Position Mode(Pulse & Direction, CW & CCW Pulse, A/B Quadrature); Torque Mode, Velocity Mode, SCL Mode Q type: Position Mode(Pulse & Direction, CW & CCW Pulse, A/B Quadrature); Torque Mode, Velocity Mode, SCL Mode, Q Programming
Digital Inputs	P/S/Q type: X1/STEP, X2/DIR, Optically isolated, differential, 5-24VDC; Minimum pulse width = 250 ns, Maximum pulse frequency = 2 MHz; X3,X4:optically isolated, single-ended, sinking or souring, 5-24VDC, minimum pulse width 50μs, maximum pulse frequency 10KHz;
Digital Outputs	P/S/Q type: Y1/Alarm, Y2/In Position, Y3/Brake; Optically isolated, 30V/100 mA max
Encoder Outputs	P type: Differential encoder outputs (AOUT+/- BOUT+/- ZOUT+/-), 26C31 line driver, 20 mA sink or source max
Communication	RS-232
Physical	
Ambient Temperature	0 to 40°C (32 to 104°F) when mounted to a suitable heatsink
Ambient Humdity	90% Max., non-condensing
Mass	Approx 0.2 Kg

■ Dimensions

🖐 Visit www.moonsindustries.com to get the 3D drawings.

◇ Motor (Unit:mm)

AM08RS
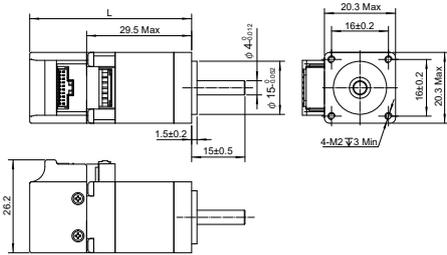
Model	L
AM08RS1DMA	45.5
AM08RS2DMA	55.5
AM08RS3DMA	62.5

AM11RS
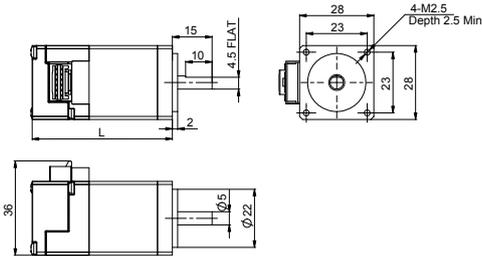
Model	L
AM11RS1DMA	43.8
AM11RS2DMA	52.9
AM11RS3DMA	64.1

AM17RS
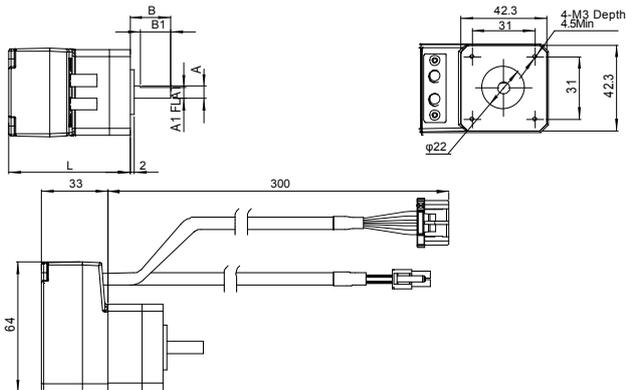
Model	A	A1	B	B1	L
AM17RS1DMA	φ6	5.5	20	15	59.5
AM17RS1DMB	φ5	4.5	24	15	59.5
AM17RS2DMA	φ6	5.5	20	15	65
AM17RS2DMB	φ5	4.5	24	15	65
AM17RS3DMA	φ6	5.5	20	15	73.5
AM17RS3DMB	φ5	4.5	24	15	73.5
AM17RS4DMA	φ6	5.5	20	15	89
AM17RS4DMB	φ5	4.5	24	15	89

AM23RS
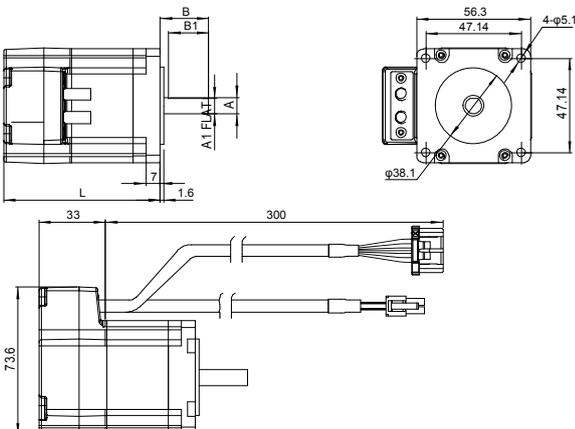
Model	A	A1	B	B1	L
AM23RS2DMA	φ8	7.5	24	20	77.5
AM23RS2DMB	φ6.35	5.85	20	15	77.5
AM23RS3DMA	φ8	7.5	24	20	99.5
AM23RS3DMB	φ6.35	5.85	20	15	99.5
AM23RS4DMA	φ8	7.5	24	20	102.5

AM24RS
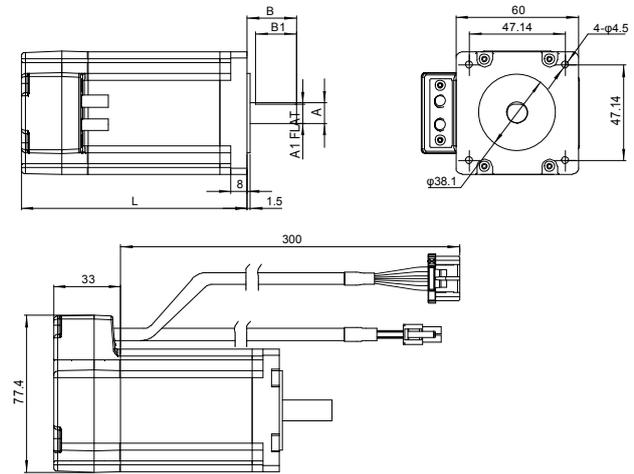
Model	A	A1	B	B1	L
AM24RS3DMA	φ10	9.5	24	20	110
AM24RS3DMB	φ8	7.5	20.6	15	110

AM34RS
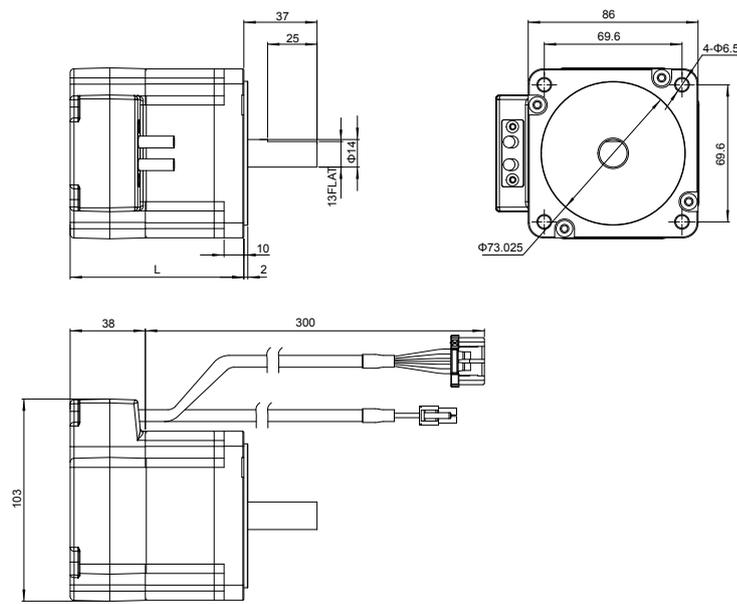
Model	L
AM34RS1DMA	88
AM34RS3DMA	117.5
AM34RS5DMA	147

◇ Drive (Unit:mm)

RS03/06/10-P
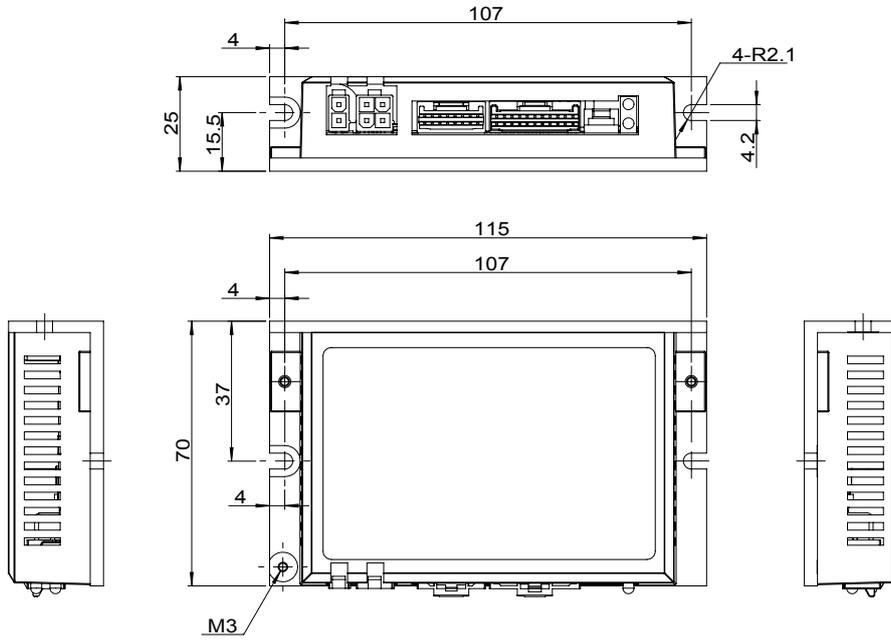
Part Number		
RS03-P-A	RS06-P-A	RS10-P-A

RS03/06/10-S/Q
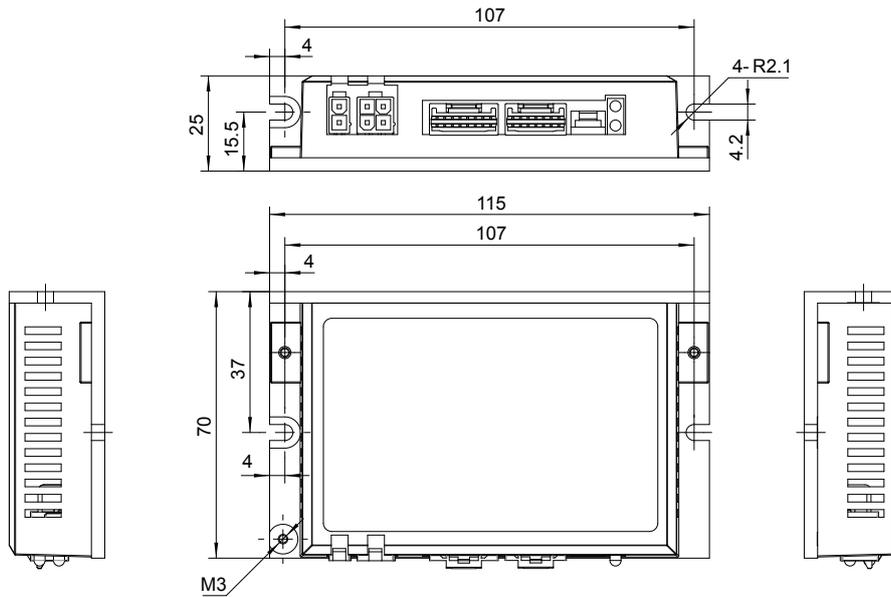
| Part Number		
RS03-S-A	RS06-S-A	RS10-S-A
RS03-Q-A	RS06-Q-A	RS10-Q-A

■ Motor Specifications

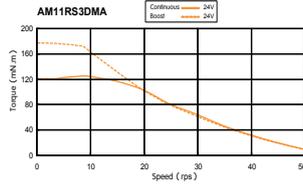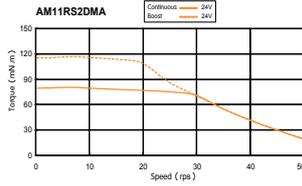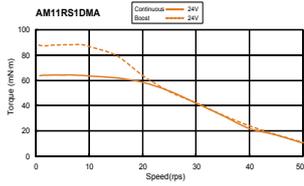| Motor P/N	Drive P/N	Torque	Rotor Inertia	Encoder Resolution	Maximum Speed	Mass	Frame Size	Permissible Overhung Load (N) Distance(L) from Shaft End(mm)					Permissible Thrust Load
								0	5	10	15	20	
		N•m	g•cm²	counts/rev	RPM	g	mm						
AM08RS1DMA		0.03	1.6			50							
AM08RS2DMA		0.042	2.9			70	20	12	15	20	-	-	
AM08RS3DMA		0.05	4.2			90							
AM11RS1DMA		0.065	9			118							
AM11RS2DMA		0.08	12			168	28	20	25	34	52	-	
AM11RS3DMA	RS03-■-A	0.125	18			218							
AM17RS1DM□		0.26	38			390							
AM17RS2DM□		0.42	57			440	42	35	44	58	85	-	Less than the motor mass
AM17RS3DM□		0.52	82	4096	3000	520							
AM17RS4DM□		0.7	123			760							
AM23RS2DM□		0.95	260			850							
AM23RS3DM□	RS06-■-A	1.5	460			1250	56	63	75	95	130	190	
AM23RS4DMA		2.4	365			1090							
AM24RS3DM□		2.5	900			1650	60	90	100	130	180	270	
AM34RS1DMA		2.7	915			2000							
AM34RS3DMA	RS10-■-A	5.2	1480			3100	80	260	290	340	390	480	
AM34RS5DMA		7.0	2200			4200							
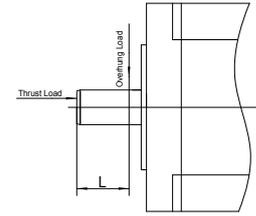
□：A or B, refer to motor part numbering system;
■：P, S or Q refer to driver part numbering system;

Torque Curves

AM08RS Series
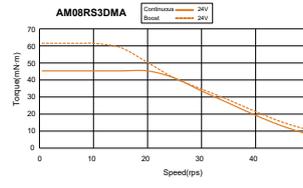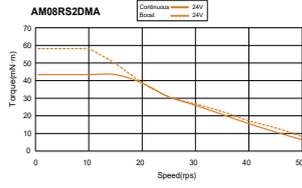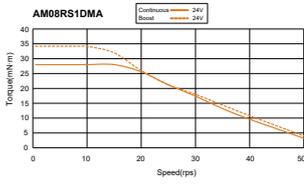
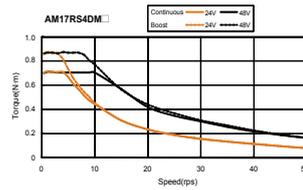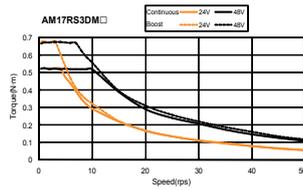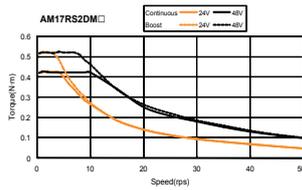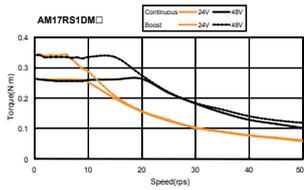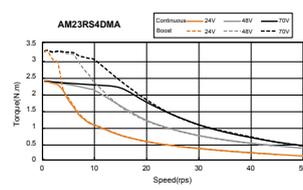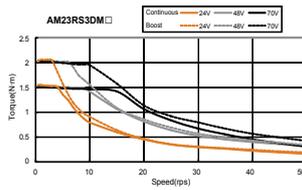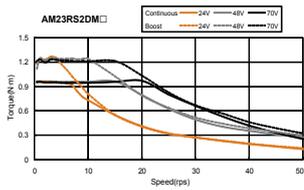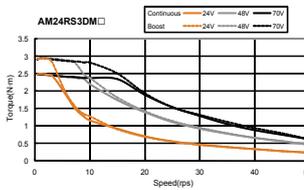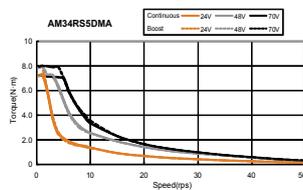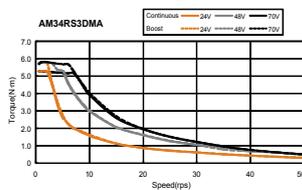### AM11RS Series

AM17RS Series

AM23RS Series

AM24RS Series

AM34RS Series

■ Numbering System

AM17 RS 1 D M A

Frame Size
08,11,17,23,24,34

Step Servo

Motor Size
1 = 1Stack
2 = 2Stack
3 = 3Stack
4 = 4Stack
5 = 5Stack

D=DC Input

Encoder
M=1024-Line

Mechanical Option
A=Output shaft size
08:Φ4
11:Φ5
17:Φ6
23:Φ8
24:Φ10
34:Φ14
B=Output shaft size
17:Φ5
23:Φ6.35
24:Φ8

RS 03 - P - A

Step Servo

Output Current
03 - 3A
06 - 6A
10 - 10A

Control Option
P = Pulse Input Type
S = Basic Type
Q = Q Type
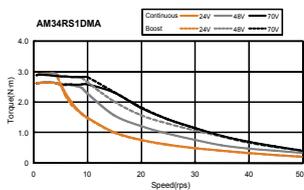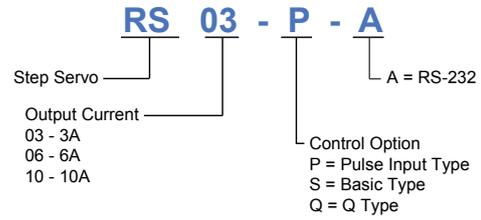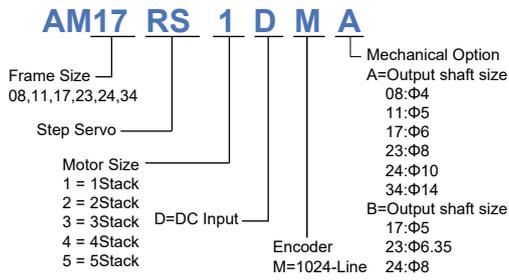
A = RS-232

■ Ordering Information

Control	Drive Type	Motor Type	Torque
P Type Pulse Input Type RS-232 Communication 4 Digital Inputs 3 Digital Outputs Encoder Outputs	RS03-P-A	AM08RS1DMA	0.03N·m
		AM08RS2DMA	0.042N·m
		AM08RS3DMA	0.05N·m
		AM11RS1DMA	0.065N·m
		AM11RS2DMA	0.08N·m
		AM11RS3DMA	0.125N·m
		AM17RS1DM □	0.26N·m
		AM17RS2DM □	0.42N·m
		AM17RS3DM □	0.52N·m
		AM17RS4DM □	0.7N·m
	RS06-P-A	AM23RS2DM □	0.95N·m
		AM23RS3DM □	1.5N·m
		AM23RS4DMA	2.4N·m
		AM24RS3DM □	2.5N·m
	RS10-P-A	AM34RS1DMA	2.7N·m
		AM34RS3DMA	5.2N·m
		AM34RS5DMA	7.0N·m

Control	Drive Type	Motor Type	Torque
S Type Basic Type RS-232 Communication 4 Digital Inputs 3 Digital Outputs	RS03-S-A	AM08RS1DMA	0.03N·m
		AM08RS2DMA	0.042N·m
		AM08RS3DMA	0.05N·m
		AM11RS1DMA	0.065N·m
		AM11RS2DMA	0.08N·m
		AM11RS3DMA	0.125N·m
		AM17RS1DM □	0.26N·m
		AM17RS2DM □	0.42N·m
		AM17RS3DM □	0.52N·m
		AM17RS4DM □	0.7N·m
	RS06-S-A	AM23RS2DM □	0.95N·m
		AM23RS3DM □	1.5N·m
		AM23RS4DMA	2.4N·m
		AM24RS3DM □	2.5N·m
	RS10-S-A	AM34RS1DMA	2.7N·m
		AM34RS3DMA	5.2N·m
		AM34RS5DMA	7.0N·m

Control	Drive Type	Motor Type	Torque
Q Type Programm Type RS-232 Communication 4 Digital Inputs 3 Digital Outputs	RS03-Q-A	AM08RS1DMA	0.03N·m
		AM08RS2DMA	0.042N·m
		AM08RS3DMA	0.05N·m
		AM11RS1DMA	0.065N·m
		AM11RS2DMA	0.08N·m
		AM11RS3DMA	0.125N·m
		AM17RS1DM □	0.26N·m
		AM17RS2DM □	0.42N·m
		AM17RS3DM □	0.52N·m
		AM17RS4DM □	0.7N·m
	RS06-Q-A	AM23RS2DM □	0.95N·m
		AM23RS3DM □	1.5N·m
		AM23RS4DMA	2.4N·m
		AM24RS3DM □	2.5N·m
	RS10-Q-A	AM34RS1DMA	2.7N·m
		AM34RS3DMA	5.2N·m
		AM34RS5DMA	7.0N·m

□: Enter A(Enhanced Shaft) or B(Standard) in the box(□) within the model name

■ Standard Accessories (Within the package)

P/N	Catagory	Technical Specification
1103-200	Cable	Power Supply Cable
2101-150	Cable	RS-232 Communication Cable

■ Optional Accessories (Sold separately)

P/N	Catagory	Technical Specification
RC880	Regenaration Clamp	80VDC Max. 50W
MS-USB-RS-232-01	USB Converter	USB-RS-232
1108-□□□	Cable	RS-S/Q Standard I/O Cable, Shield
1115-□□□	Cable	RS-P Standard I/O Cable, Shield
2103-□□□	Cable	Motor Extension Cable for AM17/23/24/34RS motor
2109-□□□	Cable	Motor Extension Cable for AM11RS motor
2116-□□□	Cable	Encoder Extension Cable for AM17/23/24/34RS motor
2118-□□□	Cable	Encoder Extension Cable for AM11RS motor
2136-□□□		Motor Extension Cable for AM08RS motor

◇ Regeneration Clamp (Unit:mm)

P/N: RC880

When using regulated power supply you may encounter a problem with regeneration. The kinetic energy caused by regeneration is transferred back to the power supply. This can trip the overvoltage protection of a switching power supply, causing it to shut down.

MOONS' offer the RC880 "regeneration clamp" to solve this problem. If in doubt, use an RC880 for your first installation. If the "regen" LED on the RC880 never flashes, you don't need the clamp.

Unit:mm
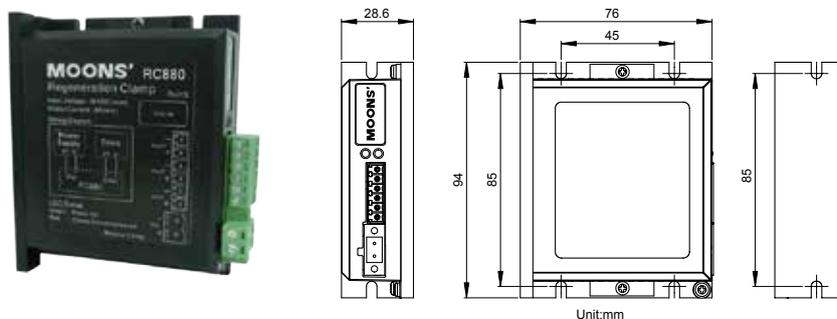
◇ USB Converter

Model: MS-USB-RS-232-01
Description: USB-RS-232 converter

◇ Motor Extension Cable for AM08RS motor
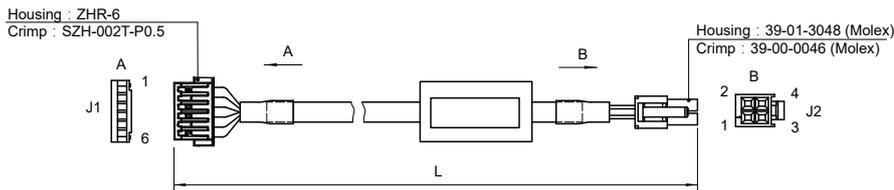
Housing：ZHR-6
Crimp：SZH-002T-P0.5

Housing：39-01-3048 (Molex)
Crimp：39-00-0046 (Molex)

P/N	Length (L)	Wiring Diagram		
2136-100	1m	PIN(J1)	Colour(Signal)	PIN(J2)
2136-300	3m	6	Blue（B-）	1
2136-500	5m	4	Red（B+）	2
2136-1000	10m	3	Green（A-）	3
		1	Black（A+）	4

◇ Motor Extension Cable for AM11RS motor
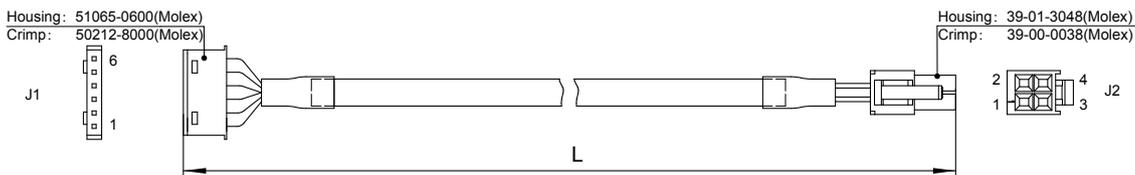
Housing：51065-0600(Molex)
Crimp：50212-8000(Molex)

Housing：39-01-3048(Molex)
Crimp：39-00-0038(Molex)

P/N	Length (L)	Wiring Diagram		
2109-100	1m	PIN(J1)	Colour(Signal)	PIN(J2)
2109-300	3m	1	Blue（B-）	1
2109-500	5m	3	Red（B+）	2
2109-1000	10m	4	Green（A-）	3
		6	Black（A+）	4

◇ Motor Extension Cable for AM17/23/24/34RS motor
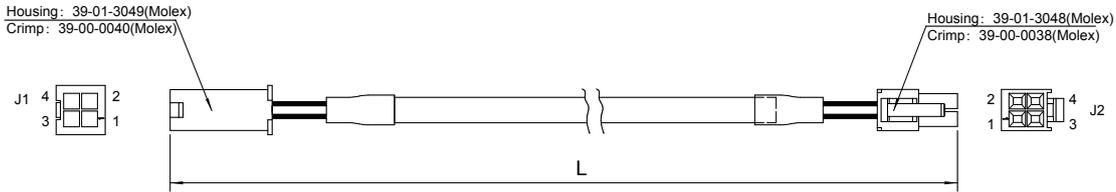
Housing：39-01-3049(Molex)
Crimp：39-00-0040(Molex)

Housing：39-01-3048(Molex)
Crimp：39-00-0038(Molex)

J1 4 2 / 3 1

2 4 J2 / 1 3

L

P/N	Length (L)	Wiring Diagram		
		PIN(J1)	Colour(Signal)	PIN(J2)
2103-100	1m	1	Blue（B-）	1
2103-300	3m	2	Red（B+）	2
2103-500	5m	3	Green（A-）	3
2103-1000	10m	4	Black（A+）	4

◇ Encoder Extension Cable for AM11RS motor

Housing：501646-1200(Molex)
Crimp：501648-1000(Molex)

Housing：501646-1600(Molex)
Crimp：501648-1000(Molex)

2 1 / J1 / 12 11

15 16 / J2 / 1 2

L

P/N	Length (L)	Wiring Diagram					
		PIN(J1)	Colour(Signal)	PIN(J2)	PIN(J1)	Colour(Signal)	PIN(J2)
2118-100	1m	10	Blue（A+）	1		Brown（U+）	
2118-300	3m	9	Blue/Black（A-）	2		Brown/Black（U-）	
2118-500	5m	8	Green（B+）	3		Gray（V+）	
2118-1000	10m	7	Green/Black（B-）	4		Gray/Black（V-）	
		6	Yellow（Z+）	5	1	White（W+）	15
		5	Yellow/Black（Z-）	6	2	White/Black（W-）	16
		3	Red（+5V）	7	12	Shield	10
		4	Black（GND）	8			

◇ Encoder Extension Cable for AM17/23/24/34RS motor

Housing：1-1903130-6(TYCO)
Crimp：1903120-1(TYCO)

Housing：501646-1600(Molex)
Crimp：501648-1000(Molex)

B1 A1 / J1 / B6 A6

15 16 / J2 / 1 2

L

P/N	Length (L)	Wiring Diagram					
		PIN（J1）	Colour(Signal)	PIN（J2）	PIN（J1）	Colour(Signal)	PIN（J2）
2116-100	1m	A6	Blue（A+）	1		Brown（U+）	
2116-300	3m	B6	Blue/Black（A-）	2		Brown/Black（U-）	
2116-500	5m	A5	Green（B+）	3		Gray（V+）	
2116-1000	10m	B5	Green/Black（B-）	4		Gray/Black（V-）	
		A4	Yellow（Z+）	5	A2	White（W+）	15
		B4	Yellow/Black（Z-）	6	B2	White/Black（W-）	16
		A3	Red（+5V）	7	A1	Shield	10
		B3	Black（GND）	8			

◇ Standard I/O Cable (For RS03/06/10-S/Q)
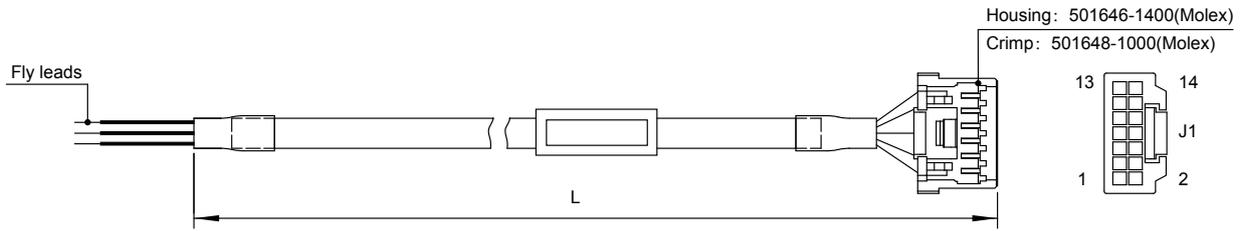
Fly leads

Housing：501646-1400(Molex)
Crimp：501648-1000(Molex)

L

13　14
J1
1　2

P/N	Length (L)	Wiring Diagram			
1108-030	30cm	PIN(J1)	Colour(Signal)	PIN(J1)	Colour(Signal)
1108-100	1m	1	Blue（STEP+）	8	Black（XCOM）
1108-200	2m	2	Blue/Black（STEP-）	9	Brown（Y1+）
		3	Green（DIR+）	10	Brown/Black（Y1-）
		4	Green/Black（DIR-）	11	Gray（Y2+）
		5	Yellow（X3/EN）	12	Gray/Black（Y2-）
		6	Yellow/Black（X4/AR）	13	White（Y3+）
		7	Shield	14	White/Black（Y3-）

◇ Standard I/O Cable (For RS03/06/10-P)
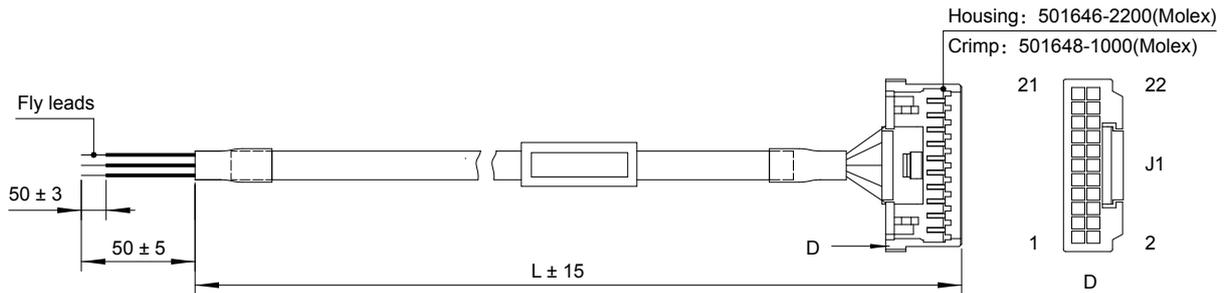
Fly leads

Housing：501646-2200(Molex)
Crimp：501648-1000(Molex)

50 ± 3
50 ± 5
L ± 15
D

21　22
J1
1　2
D

P/N	Length (L)	Wiring Diagram			
1115-030	30cm	PIN(J1)	Colour(Signal)	PIN(J1)	Colour(Signal)
1115-100	1m	1	Blue/White（STEP+）	12	Gray/Black（Y2-）
1115-200	2m	2	Blue/Black（STEP-）	13	Purple/White（Y3+）
		3	Green/White（DIR+）	14	Purple/Black（Y3-）
		4	Green/Black（DIR-）	15	NC
		5	Purple（X3）	16	Black（GND）
		6	Blue（X4）	17	Red/White（AOUT+）
		7	Shield	18	Red/Black（AOUT-）
		8	Brown（XCOM）	19	Orange/White（BOUT+）
		9	Brown/White（Y1+）	20	Orange/Black（BOUT-）
		10	Brown/Black（Y1-）	21	Yellow/White（ZOUT+）
		11	Gray/White（Y2+）	22	Yellow/Black（ZOUT-）

Customer Service Center

400-820-9661

■ MOONS' Headquarter

168 Mingjia Road, Minhang District, Shanghai
201107, P.R. China

■ Domestic Offices

Shenzhen
Room 3901, Building A, Zhongguan Times Square,
No 4168 Liuxian Avenue, Nanshan District, Shenzhen 518000
P.R. China

Beijing
Room 1206, Jing Liang Mansion, No.16 Middle Road of East,
3rd Ring, Chaoyang District, Beijing 100022, P.R. China

Nanjing
Room 1101-1102, Building 2, New Town Development
Center, No.126 Tianyuan Road, Moling Street,
Jiangning District, Nanjing 211106, P.R. China

Qingdao
Room1913,Scientific and Technological Innovation Builing,
Floor19,No.171,ShanDong Road,Shibei District,
QingDao 266033, P.R. China

Wuhan
Room 3001, World Trade Tower, 686 Jiefang Avenue,
Jianghan District, Wuhan 430022, P.R. China

Chengdu
Rm. 3907, Maoye Plaza, No.19, Dongyu Street,
Jinjiang Distrit, Chengdu 610066, P.R. China

Xi'an
Room 1006, Tower D, Wangzuo International City,
1 Tangyan Road, Xi'an 710065, P.R. China

Ningbo
Room 309, Tower B, Taifu Plaza, 565 Jiangjia Road,
Jiangdong District, Ningbo, 315040, P.R. China

Guangzhou
Room 4006, Tower B, China Shine Plaza, 9 Linhe Xi Road,
Tianhe District, Guangzhou 510610, P.R. China

Chongqing
Rm. 2108, South yuanzhu Buliding 20, No.18 Fuquan Rd.,
Jiangbei District, Chongqing 400000, P.R. China

■ North America Company

MOONS' INDUSTRIES (AMERICA), INC. (Chicago)
1113 North Prospect Avenue, Itasca, IL 60143 USA

MOONS' INDUSTRIES (AMERICA), INC. (Boston)
36 Cordage Park Circle, Suite 310 Plymouth, MA 02360 USA

APPLIED MOTION PRODUCTS, INC.
18645 Madrone Parkway, Morgan Hill, CA 95037, USA

LIN ENGINEERING, INC.
16245 Vineyard Blvd., Morgan Hill, CA 95037 USA

■ European Company

MOONS' INDUSTRIES (EUROPE) S.R.L.
Via Torri Bianche n.1 20871 Vimercate(MB) Italy

AMP & MOONS' AUTOMATION (GERMANY) GMBH
Börsenstr. 14
60313 Frankfurt am Main Germany

■ South-East ASIA Company

MOONS' INDUSTRIES (SOUTH-EAST ASIA) PTE. LTD.
33 Ubi Avenue 3 #08-23 Vertex Singapore 408868

■ Japan Company

MOONS' INDUSTRIES JAPAN CO., LTD.
Room 602, 6F, Shin Yokohama Koushin Building,
2-12-1, Shin-Yokohama, Kohoku-ku, Yokohama,
Kanagawa, 222-0033, Japan

■ India Company

MOONS' INTELLIGENT MOTION SYSTEM INDIA PVT. LTD.
Rm. 908, 9th Floor, Amar Business Park,
Tal. Haveli, Baner, Pune-411045, Maharashtra, India

https://www.moonsindustries.com/
E-mail:ama-info@moons.com.cn

MOONS'
moving in better ways