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SAMSR MOTOR

DIRECTORY OF INTEGRATED MODEL OF STEPPER MOTOR







2021



◆ Company Profile

Shenzhen Melike Technology Co., Ltd was founded in 2007, which is the general agent of SamSR Motor in China and has more than 14 years of experience on electric motor field.

Company mainly develops "stepper motor drives, servo motor drives, stepper motor, planetary reducer, Step Motor Linear Module ,Hollow rotating platform" of six big series of hundred varieties of products .The products have kept the production and sales top rank for many years among domestic industry because of "powerful software function and excellent quality performance" ,and well sell both at home and abroad market.

Servo products has been chosen by extensive machine tool machinery manufacturing customers. Volume using fields such as, CNC machine, textile machinery, packaging machinery, printing machinery,winding machine, spring machine, pipe bending machine, etc.

Our products are all RoHS compliant and parts are CE and UL approved. Thanks to customers' trust and our local suppliers' support ,Melike has been recognized as a expert on electric motor field and extend sales in the world-wide gradually.

CATALOG

2-Phase/3-Phase Stepper Motors 01-14



2-Phase 1.8°

20mm Series
28mm Series
35mm Series
42mm Series
57mm Series
60mm Series
86mm Series
110mm Series

3-Phase 1.2°

57mm Series
60mm Series
86mm Series
110mm Series
130mm Series

Spur Gearbox Stepper Motors 15-18



42mm Series
57mm Series
86mm Series

Planetary Gearbox Stepper Motors 19-26



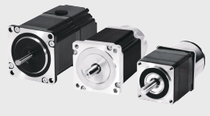
Standard Grade

20SG Series
28SG Series
42SG Series
57SG Series
86PG Series

Precise Grade

42XG Series
60XG Series

Stepper Motors With Brake Type 27-32



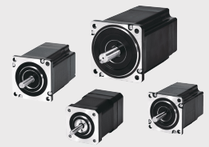
28mm Series
35mm Series
42mm Series
57mm Series
86mm Series

Hollow Shaft Stepper Motor 33-37



28mm Series
42mm Series
57mm Series
86mm Series

Closed Loop Stepper Motors 38-42



42mm Series
57mm Series
60mm Series
86mm Series

SAMSR MOTOR
2-Phase/3-Phase Stepper Motors



■ Numbering System-Motor

SS □□ □□ □ □□ □ □

Code	Contour	Serial Number	Step Angel	Curent	Shaft	Else
Samsr Shortened Form-SS	09:20mm 11:28mm 14:35mm 17:42mm 23:57mm 24:60mm 34:86mm 42:110mm 54:130mm	ID No	1.8°:A 09°:B 1.2°:C 0.6°:D 072°:E 0.36°:F	Rated Current*10	A Single Shaft B Dual Shaft C With Synchronous Wheel D With Brake F With Encode G Hollow Shaft	B With Gearbox

2-Phase/3-Phase Stepper Motors
Spur Gearbox Stepper Motors
Planetary Gearbox Stepper Motors
Stepper Motors With Brake Type
Hollow Shaft Stepper Motor
Closed Loop Stepper Motors

2-Phase 20mm Series
□ 20mm

RoHS COMPLIANT 2002/95/EC



1.8° | Bipolar

◆ Parameters

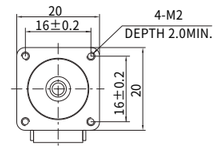
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	mm
SS0902A04A	1.8	2.8	0.4	7.0	2.0	15	2.0	4	0.06	27.2
SS0903A05A	1.8	4.4	0.5	11.0	3.3	25	3.6	4	0.075	37.7

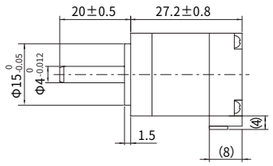
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2322

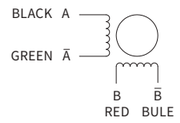
◆ Dimension (Unit:mm)

SS0902A04A

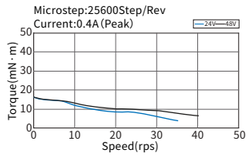




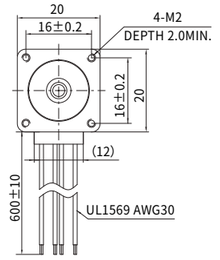
Wiring Diagram

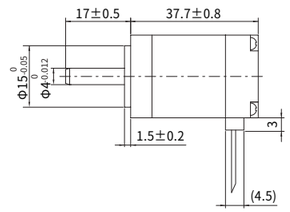


Torque Curves

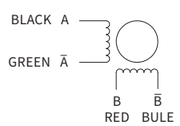


SS0903A05A

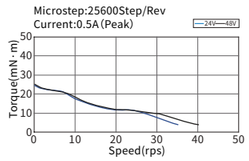




Wiring Diagram



Torque Curves



2-Phase 28mm Series

☐ 28mm

RoHS COMPLIANT 2002/95/EC

1.8° | Bipolar



◆ Parameters

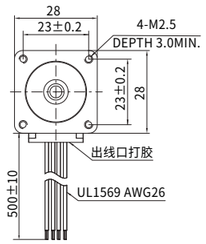
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	mm
SS1101A10A	1.8	2.8	1.0	2.8	2.1	60	9	4	0.10	30.1
SS1102A10A	1.8	1.7	1.0	1.2	0.8	100	16	4	0.20	50.4

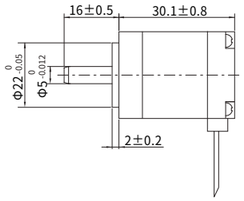
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2322

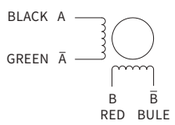
◆ Dimension (Unit:mm)

SS1101A10A

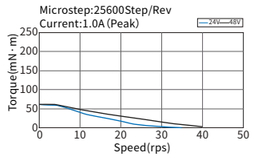




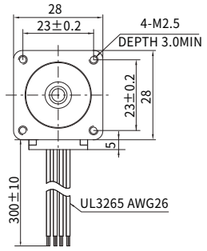
Wiring Diagram

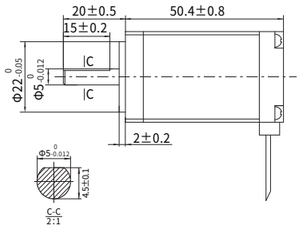


Torque Curves

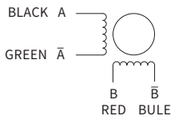


SS1102A10A

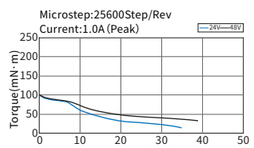




Wiring Diagram



Torque Curves



✆ 4008-160-502

2-Phase/3-Phase Stepper Motors
Spur Gearbox Stepper Motors
Planetary Gearbox Stepper Motors
Stepper Motors With Brake Type
Hollow Shaft Stepper Motor
Closed Loop Stepper Motors

2-Phase 35mm Series

☐ 35mm

RoHS COMPLIANT 2002/95/EC

1.8° | Bipolar



◆ Parameters

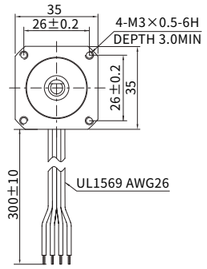
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	mm
SS1401A10A	1.8	4.8	1.0	4.8	6.8	140	22	4	0.21	40.5

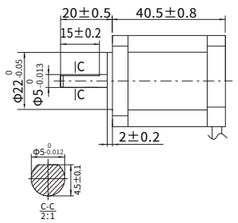
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2322

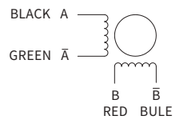
◆ Dimension (Unit:mm)

SS1401A10A

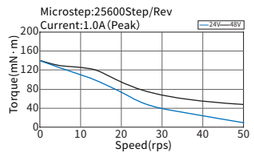




Wiring Diagram



Torque Curves



2-Phase 42mm Series
☐ 42mm

RoHS COMPLIANT 2002/95/EC

1.8° | Bipolar



◆ Parameters

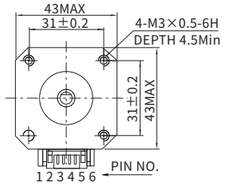
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	mm
SS1702A10A	1.8	4.8	0.85	5.75	8.1	257	33	4	0.23	34
SS1703A15A	1.8	2.5	1.5	1.65	3.6	373	56	4	0.29	40
SS1704A20A	1.8	3.6	2.0	1.8	4.0	530	66	4	0.38	49.5

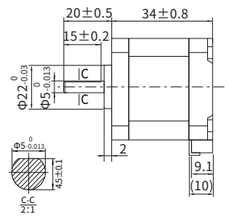
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2322

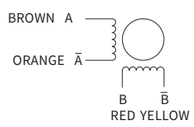
◆ Dimension (Unit:mm)

SS1702A10A

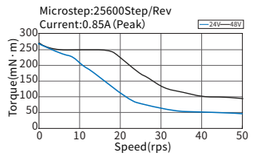




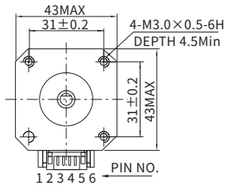
Wiring Diagram

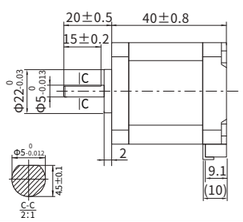


Torque Curves

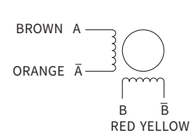


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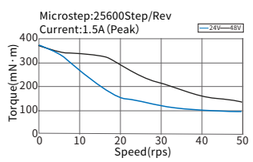




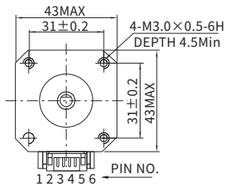
Wiring Diagram

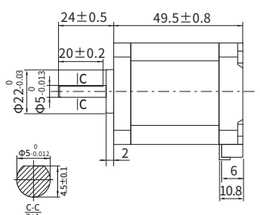


Torque Curves

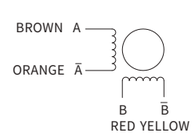


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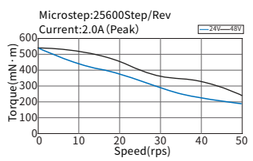




Wiring Diagram



Torque Curves



2-Phase 57mm Series
☐ 57mm

RoHS COMPLIANT 2002/95/EC

1.8° | Bipolar



◆ Parameters

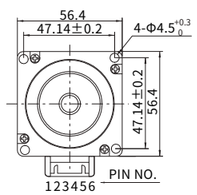
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	mm
SS2301A42A	1.8	1.3	4.2	0.31	0.9	756	145	4	0.51	42
SS2302A42A	1.8	1.72	4.2	0.41	1.3	1220	245	4	0.71	54.5
SS2304A42A	1.8	2.52	4.2	0.6	2.1	2400	480	4	1.06	77

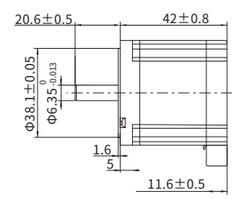
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2507

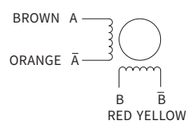
◆ Dimension (Unit:mm)

SS2301A42A

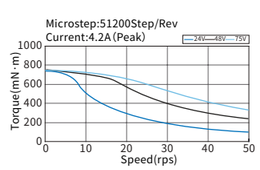




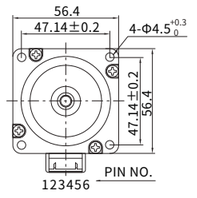
Wiring Diagram

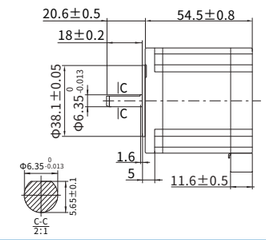


Torque Curves

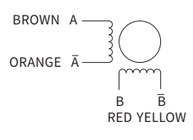


SS2302A42A

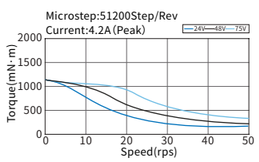




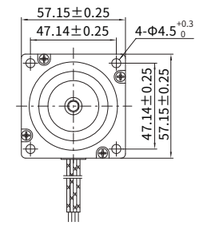
Wiring Diagram

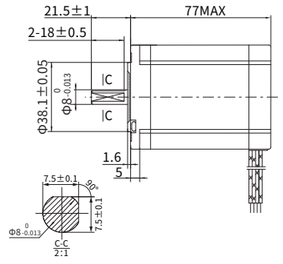


Torque Curves

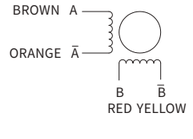


SS2304A42A

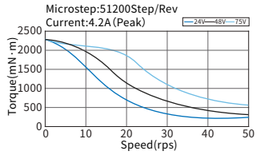




Wiring Diagram

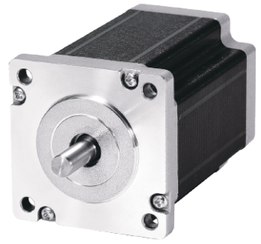


Torque Curves



2-Phase 60mm Series
☐ 60mm

RoHS COMPLIANT 2002/95/EC



1.8° | Bipolar

◆ Parameters

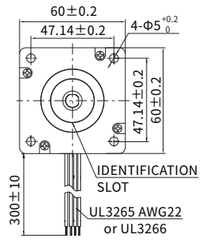
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	mm
SS2403A42A	1.8	2.4	4.0	0.6	2.3	2450	900	4	1.42	85.5

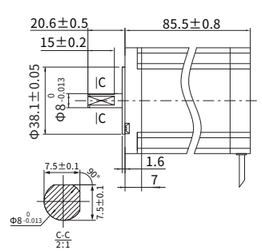
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2507

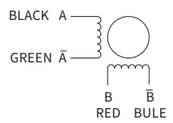
◆ Dimension (Unit:mm)

SS2403A42A

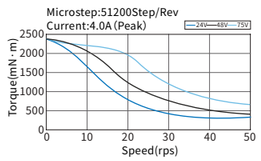




Wiring Diagram

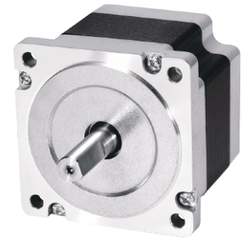


Torque Curves



2-Phase 86mm Series
☐ 86mm

RoHS COMPLIANT 2002/95/EC



1.8° | Bipolar

◆ Parameters

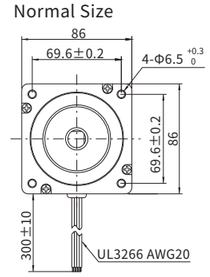
Model	Step Angle	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length	Wiring
Unit	deg.	A	Ω	mH	mN-m	g-cm²		Kg	L(mm)	
SS3401AP45A	1.8	3.18	0.96	66.8	2800	1100	8	1.6	67.5	Series
		6.3	0.24	1.7						Parallel
SS3402AP45A	1.8	3.18	1.32	10.8	6000	1850	8	2.7	96.5	Series
		6.3	0.33	2.7						Parallel
SS3403AP40A	1.8	2.8	1.94	21.6	8900	2750	8	3.8	125.5	Series
		5.6	0.485	5.4						Parallel

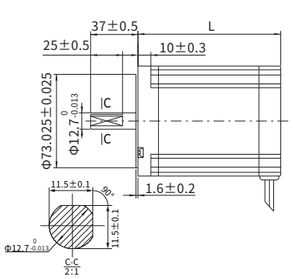
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2807

◆ Dimension (Unit:mm)

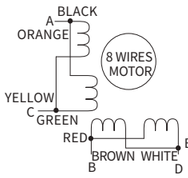
Normal Size



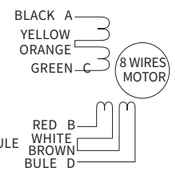


Wiring Diagram

◆ 8 wiresBipolar-Parallel Connection



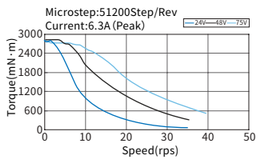
◆ 8 wires Bipolar- Series Connection



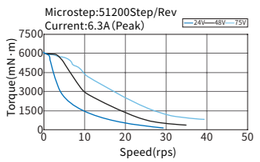
Remark: key way ca be optional

Torque Curves

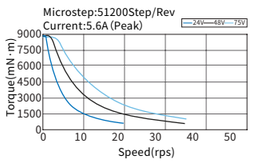
SS3401AP45A



SS3402AP45A



SS3403AP40A



2-Phase 110mm Series
☐ 110mm

RoHS COMPLIANT 2002/95/EC

1.8° | Bipolar



◆ Parameters

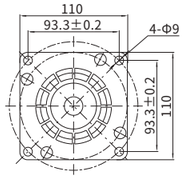
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	L(mm)
SS4201A55A	1.8	5.0	5.5	0.90	1.0	8500	5500	4	5.0	102
SS4202A60A	1.8	2.0	6.0	0.33	1.1	12000	7200	4	6.0	126
SS4203A65A	1.8	3.8	6.5	0.58	1.3	21000	10900	4	8.4	150
SS4204A80A	1.8	5.1	8.0	0.64	1.98	28000	16200	4	11.7	194

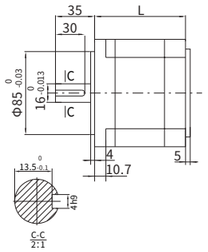
A:Single Shaft B:Dual Shaft

Recommend Drives:MA-2208

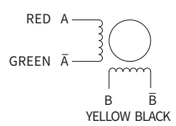
◆ Dimension (Unit:mm)

Normal Size



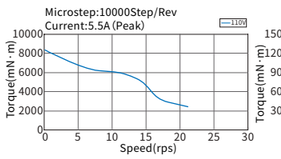


Wiring Diagram

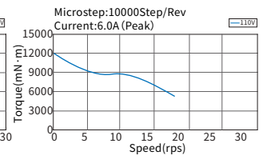


Torque Curves

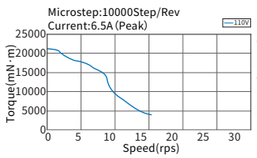
SS4201A55A



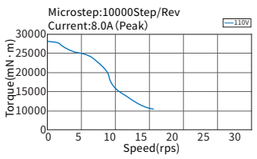
SS4202A60A



SS4203A65A



SS4204A80A



3-Phase 57mm Series
☐ 57mm

RoHS COMPLIANT 2002/95/EC

1.2° | 3-phase 3 wires



◆ Parameters

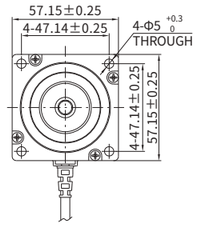
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	(mm)
SS2302C58A	1.2	2.61	5.8	0.45	0.98	1000	280	3	0.72	55.5
SS2303C58A	1.2	5.22	5.8	0.9	1.8	2500	520	3	1.1	80.5

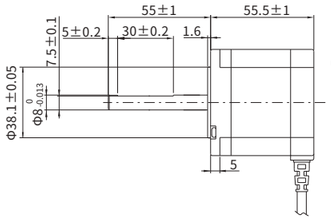
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-3778

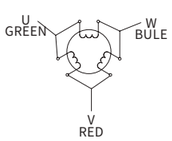
◆ Dimension (Unit:mm)

SS2302C58A

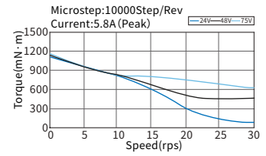




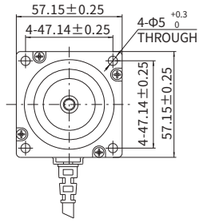
Wiring Diagram

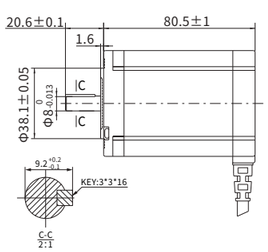


Torque Curves

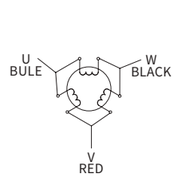


SS2303C58A

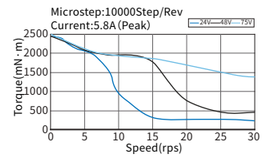




Wiring Diagram

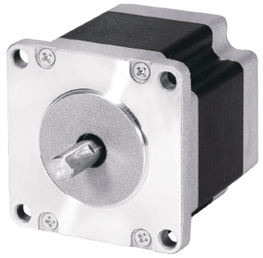


Torque Curves



3-Phase 60mm Series
☐ 60mm

RoHS COMPLIANT 2002/95/EC



1.2° | 3-phase 3 wires

◆ Parameters

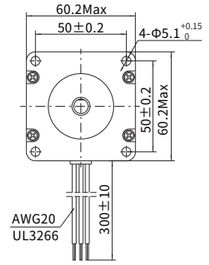
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	(mm)
SS2401C58A	1.2	1.5	5.8	0.26	0.45	540	180	3	0.5	45.5
SS2402C58A	1.2	2.32	5.8	0.40	0.80	900	260	3	0.8	54.5
SS2403C58A	1.2	3.65	5.8	0.63	1.35	1700	460	3	1.3	76.5

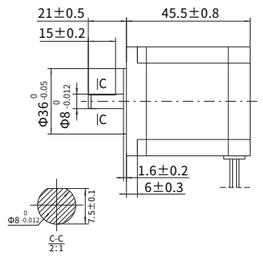
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-3778

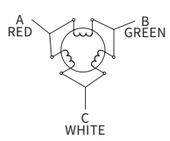
◆ Dimension (Unit:mm)

SS2401C58A

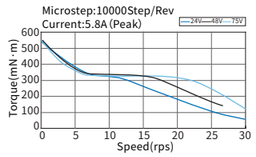




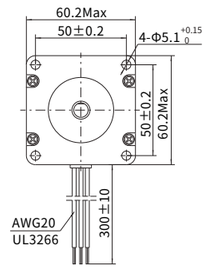
Wiring Diagram

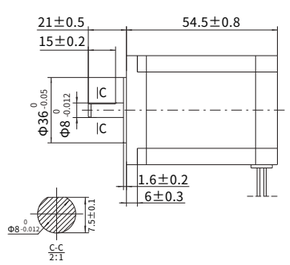


Torque Curves

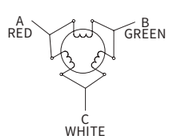


SS2402C58A

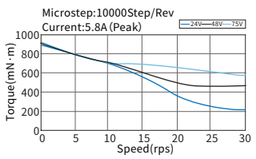




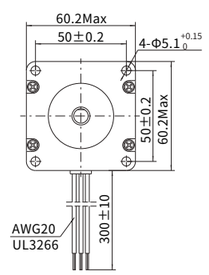
Wiring Diagram

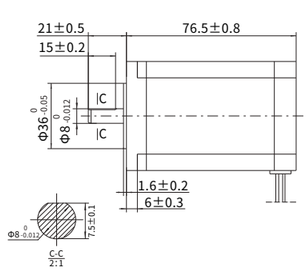


Torque Curves

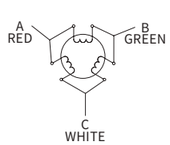


SS2403C58A

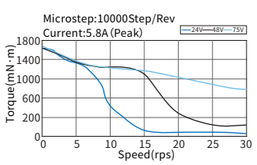




Wiring Diagram



Torque Curves



3-Phase 86mm Series
☐ 86mm

RoHS COMPLIANT 2002/95/EC



1.2° | 3-phase 3 wires

◆ Parameters

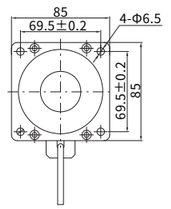
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	L(mm)
SS3401C17A	1.2	6.8	1.75	3.77	11.6	2000	1320	3	2.0	69
SS3402C20A	1.2	9.3	2.0	4.56	14.6	4000	2400	3	2.8	97
SS3403C30A	1.2	6.0	3.0	2.0	8.0	6000	3480	3	4.0	125
SS3401C58A	1.2	2.9	5.8	0.5	0.9	2000	1320	3	2.0	69
SS3402C58A	1.2	2.0	5.8	0.7	1.5	4000	2400	3	2.8	97
SS3403C58A	1.2	5.2	5.8	0.9	2.17	6000	3480	3	3.8	125

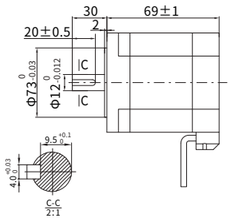
A:Single Shaft B:Dual Shaft

Recommend Drives:MA-3205/MD-3778

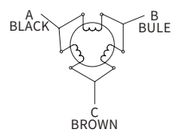
◆ Dimension (Unit:mm)

SS3401C17A/SS3401C58A

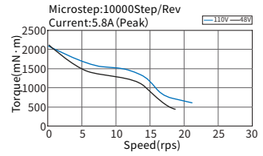




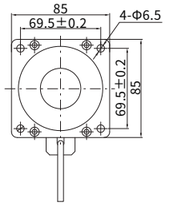
Wiring Diagram

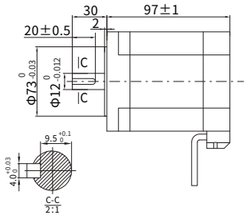


Torque Curves

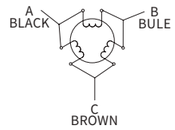


SS3402C20A/SS3402C58A

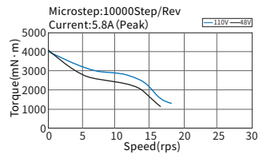




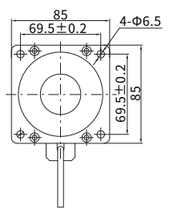
Wiring Diagram

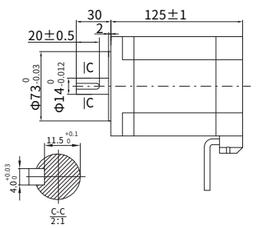


Torque Curves

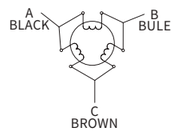


SS3403C30A/SS3403C58A

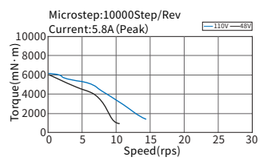




Wiring Diagram

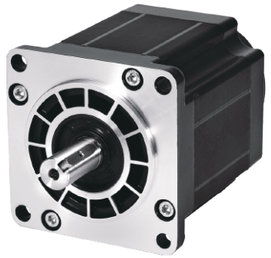


Torque Curves



3-Phase 110mm Series
☐ 110mm

RoHS COMPLIANT 2002/95/EC



1.2° | 3-phase 3 wires

◆ Parameters

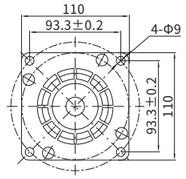
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	(mm)
SS4201C40A	1.2	4.2	4.0	1.04	4.30	8000	6000	3	5.0	127
SS4202C60A	1.2	3.6	6.0	0.60	2.67	12000	9720	3	6.3	151
SS4203C65A	1.2	4.5	6.5	0.70	2.96	16000	13560	3	8.5	185
SS4204C70A	1.2	3.9	7.0	0.57	2.46	20000	17400	3	10.7	219

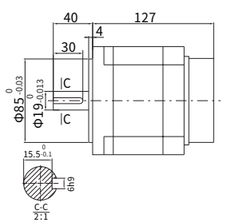
A:Single Shaft B:Dual Shaft

Recommend Drives:MA-3208

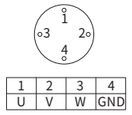
◆ Dimension (Unit:mm)

SS4201C40A



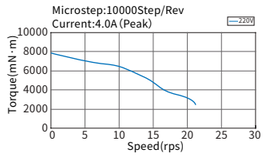


Wiring Diagram

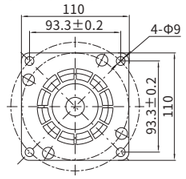


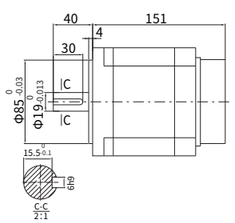
1	2	3	4
U	V	W	GND

Torque Curves

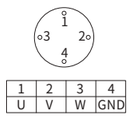


SS4202C60A



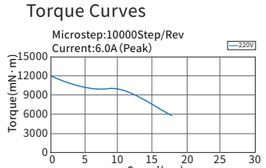


Wiring Diagram

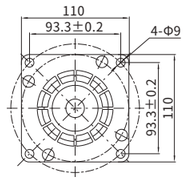


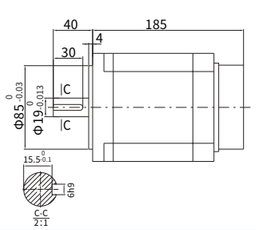
1	2	3	4
U	V	W	GND

Torque Curves

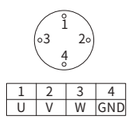


SS4203C65A



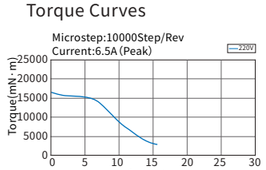


Wiring Diagram

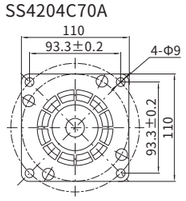


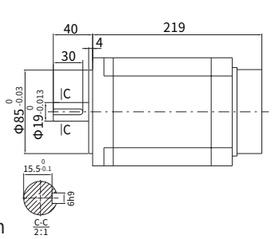
1	2	3	4
U	V	W	GND

Torque Curves

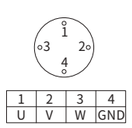


SS4204C70A



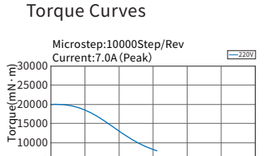


Wiring Diagram



1	2	3	4
U	V	W	GND

Torque Curves



3-Phase 130mm Series
☐ 130mm

RoHS COMPLIANT 2002/95/EC



1.2° | 3-phase 3 wires

◆ Parameters

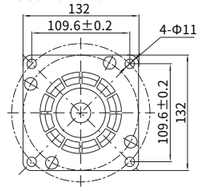
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	mN-m	g-cm²		Kg	(mm)
SS5402C40A	1.2	4.4	4.0	1.1	4.9	20000	26700	3	14.1	183
SS5403C40A	1.2	6.6	7.0	0.95	6.1	28000	33970	3	17.2	222
SS5404C40A	1.2	7.6	7.0	1.1	7.4	35000	41240	3	19.8	254
SS5405C40A	1.2	9.7	7.0	1.4	9.82	50000	55780	3	26.0	318

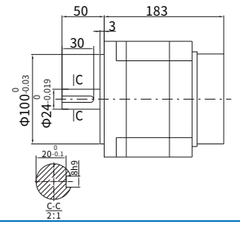
A:Single Shaft B:Dual Shaft

Recommend Drives:MA-3208

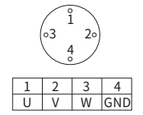
◆ Dimension (Unit:mm)

SS5402C40A



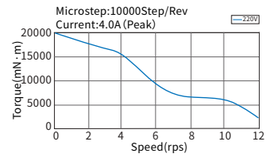


Wiring Diagram

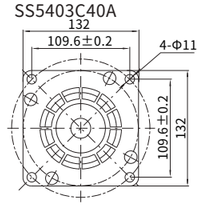


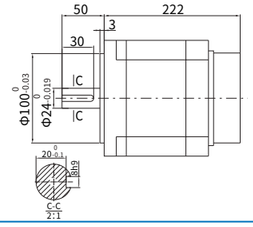
1	2	3	4
U	V	W	GND

Torque Curves

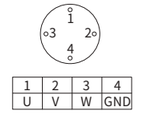


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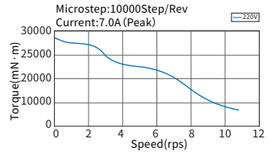


Wiring Diagram

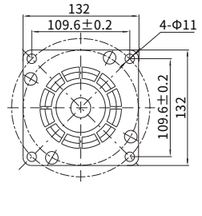


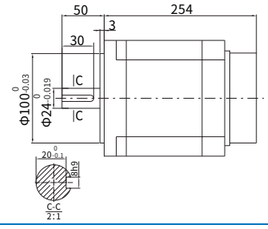
1	2	3	4
U	V	W	GND

Torque Curves

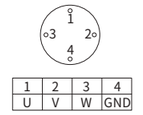


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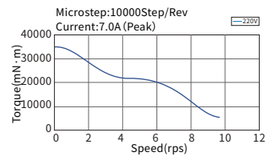


Wiring Diagram

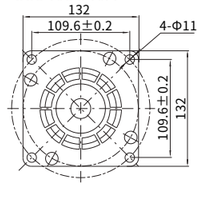


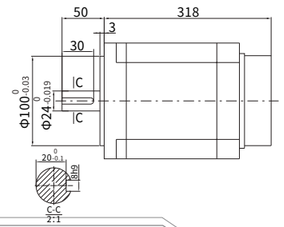
1	2	3	4
U	V	W	GND

Torque Curves

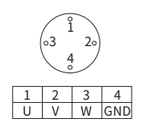


SS5405C40A



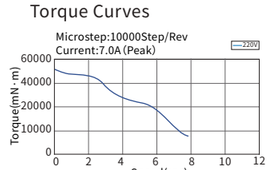


Wiring Diagram



1	2	3	4
U	V	W	GND

Torque Curves



SAMSR MOTOR
Spur Gearbox Stepper Motors

■ Products Feature

- Adopt spur gearbox special structure.Integrated motors combines motor+reducer into one device, offering savings on space;
- wide range of gear ratios, long life and maximum efficiency;
- Match with Drives:MD-2322, MD-2507,MD-2807 and more SAMSR' drives;
- Mainly recommend motors:nema 17,nema23,nema34,gear ratios 3.6~100.



Spur Gearbox Stepper Motors
□ 42mm Series

RoHS COMPLIANT 2002/95/EC

spur gearbox | High precision positioning



◆ Parameters

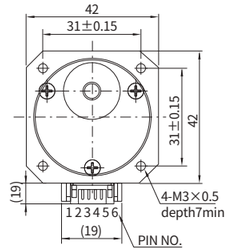
Model		Step Angle	Rated voltage	Rated Curren	Resis-tance	Induc-tance	Holding Torque	Rotor Inertia	Wei-ght	Allowable Torque	Allowable Speed	Reduc-tion Ratio
Single Shaft	Dual Shaft	°	V	A	Ω	mH	N-m	Kg-m²	Kg	N·m	r/min	
SS1701A10AB3.6	SS1701A10BB3.6	0.5	2.6	0.95	2.7	2.3	0.2	33×10⁻⁷	0.33	0.2	0~500	1:3.6
SS1701A10AB7.2	SS1701A10BB7.2	0.25	2.6	0.95	2.7	2.3	0.4	33×10⁻⁷	0.33	0.4	0~250	1:7.2
SS1701A10AB9.0	SS1701A10BB9.0	0.2	2.6	0.95	2.7	2.3	0.5	33×10⁻⁷	0.33	0.5	0~200	1:9.0
SS1701A10AB10	SS1701A10BB10	0.18	2.6	0.95	2.7	2.3	0.56	33×10⁻⁷	0.33	0.56	0~180	1:10
SS1701A10AB18	SS1701A10BB18	0.1	2.6	0.95	2.7	2.3	0.8	33×10⁻⁷	0.33	0.8	0~100	1:18
SS1701A10AB36	SS1701A10BB36	0.05	2.6	0.95	2.7	2.3	0.8	33×10⁻⁷	0.33	0.8	0~50	1:36
SS1701A10AB50	SS1701A10BB50	0.036	2.6	0.95	2.7	2.3	0.8	33×10⁻⁷	0.33	0.8	0~36	1:50
SS1701A10AB100	SS1701A10BB100	0.018	2.6	0.95	2.7	2.3	0.8	33×10⁻⁷	0.33	0.8	0~18	1:100

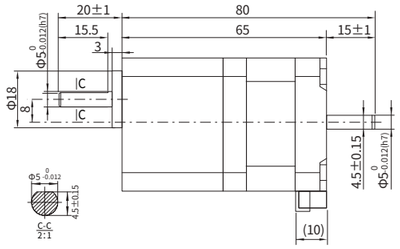
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2322

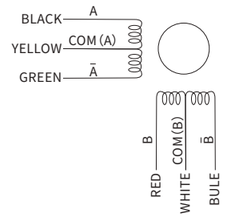
◆ Dimension (Unit:mm)

Normal Size



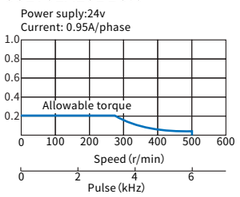


Wiring Diagram

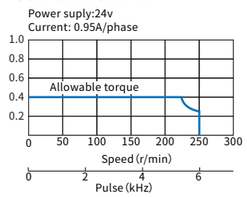


Torque Curves

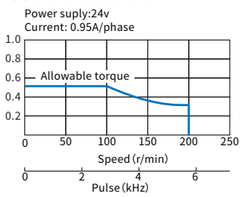
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SS1701A10BB3.6



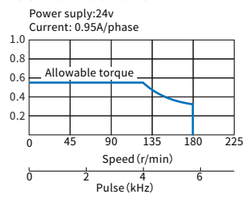
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SS1701A10BB7.2



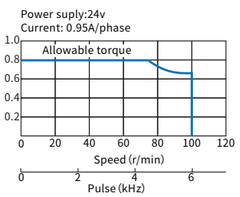
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SS1701A10BB9.0



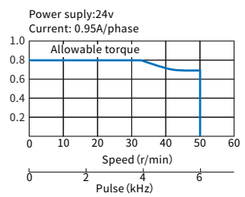
SS1701A10AB10
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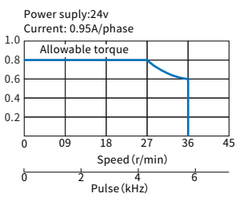
SS1701A10AB18
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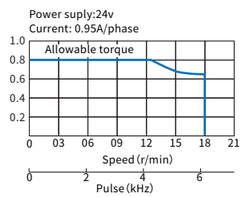
SS1701A10AB36
SS1701A10BB36



SS1701A10AB50
SS1701A10BB50



SS1701A10AB100
SS1701A10BB100



Spur Gearbox Stepper Motors
☐ 57mm Series

RoHS COMPLIANT 2002/95/EC



spur gearbox | High precision positioning

◆ Parameters

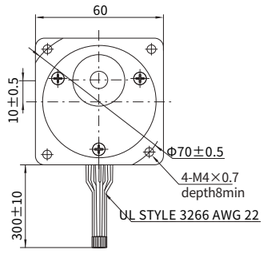
Model		Step Angle	Rated voltage	Rated Curren	Resis-tance	Induc-tance	Holding Torque	Rotor Inertia	Wei-ght	Allowable Torque	Allowable Speed	Reduc-tion Ratio
Single Shaft	Dual Shaft	°	V	A	Ω	mH	N-m	Kg-m²	Kg	N·m	r/min	
SS2301A20AB3.6	SS2301A20BB3.6	0.5	2.2	2	1.1	1.4	1.0	135×10⁻⁷	0.8	1	0~500	1:3.6
SS2301A20AB7.2	SS2301A20BB7.2	0.25	2.2	2	1.1	1.4	2.0	135×10⁻⁷	0.8	2	0~250	1:7.2
SS2301A20AB9.0	SS2301A20BB9.0	0.2	2.2	2	1.1	1.4	2.5	135×10⁻⁷	0.8	2.5	0~200	1:9.0
SS2301A20AB10	SS2301A20BB10	0.18	2.2	2	1.1	1.4	2.7	135×10⁻⁷	0.8	2.7	0~180	1:10
SS2301A20AB18	SS2301A20BB18	0.1	2.2	2	1.1	1.4	3.0	135×10⁻⁷	0.8	3	0~100	1:18
SS2301A20AB36	SS2301A20BB36	0.05	2.2	2	1.1	1.4	4.0	135×10⁻⁷	0.8	4	0~50	1:36
SS2301A20AB50	SS2301A20BB50	0.036	2.2	2	1.1	1.4	4.0	135×10⁻⁷	0.8	4	0~36	1:50
SS2301A20AB100	SS2301A20BB100	0.018	2.2	2	1.1	1.4	4.0	135×10⁻⁷	0.8	4	0~18	1:100

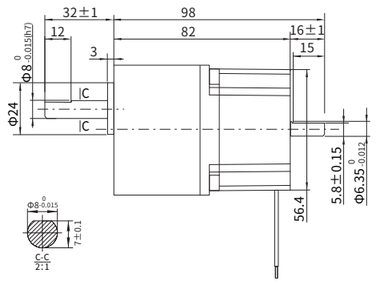
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2507

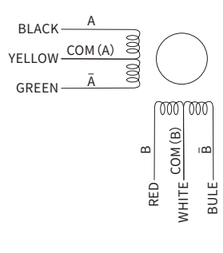
◆ Dimension (Unit:mm)

Normal Size



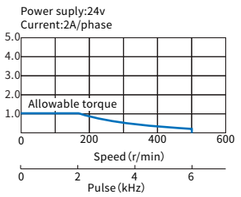


Wiring Diagram

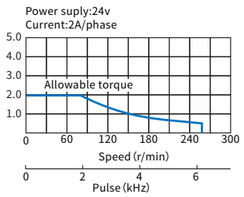


Torque Curves

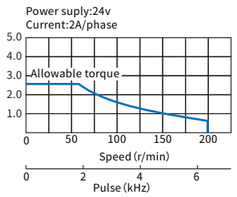
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SS2301A20BB3.6



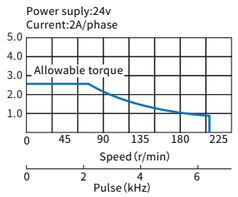
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SS2301A20BB7.2



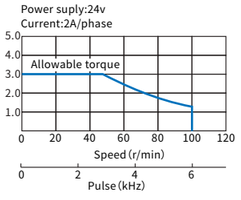
SS2301A20AB9.0
SS2301A20BB9.0



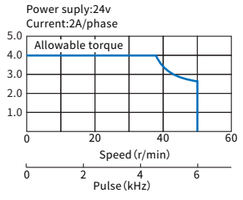
SS2301A20AB10
SS2301A20BB10



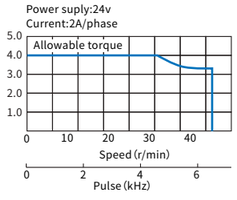
SS2301A20AB18
SS2301A20BB18



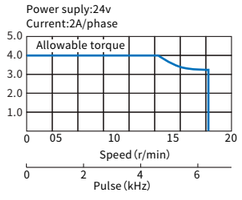
SS2301A20AB36
SS2301A20BB36



SS2301A20AB50
SS2301A20BB50

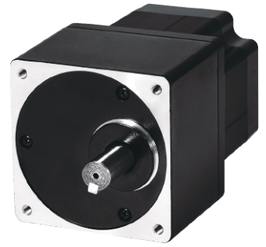


SS2301A20AB100
SS2301A20BB100



Spur Gearbox Stepper Motors
☐ 86mm Series

RoHS COMPLIANT 2002/95/EC



spur gearbox | High precision positioning

◆ Parameters

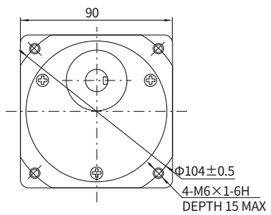
Model		Step Angle	Rated voltage	Rated Curren	Resis-tance	Induc-tance	Holding Torque	Rotor Inertia	Wei-ght	Allowable Torque	Allowable Speed	Reduc-tion Ratio
Single Shaft	Dual Shaft	°	V	A	Ω	mH	N-m	Kg-m²	Kg	N·m	r/min	
SS3401A30AB3.6	SS3401A30BB3.6	0.5	1.5	3	0.49	1.5	2.5	4200×10⁻⁷	3	2.5	0~500	1:3.6
SS3401A30AB7.2	SS3401A30BB7.2	0.25	1.5	3	0.49	1.5	5.0	4200×10⁻⁷	3	5	0~250	1:7.2
SS3401A30AB9.0	SS3401A30BB9.0	0.2	1.5	3	0.49	1.5	6.3	4200×10⁻⁷	3	6.3	0~200	1:9.0
SS3401A30AB10	SS3401A30BB10	0.18	1.5	3	0.49	1.5	7.0	4200×10⁻⁷	3	7	0~180	1:10
SS3401A30AB18	SS3401A30BB18	0.1	1.5	3	0.49	1.5	9.0	4200×10⁻⁷	3	9	0~100	1:18
SS3401A30AB36	SS3401A30BB36	0.05	1.5	3	0.49	1.5	12.0	4200×10⁻⁷	3	12	0~50	1:36

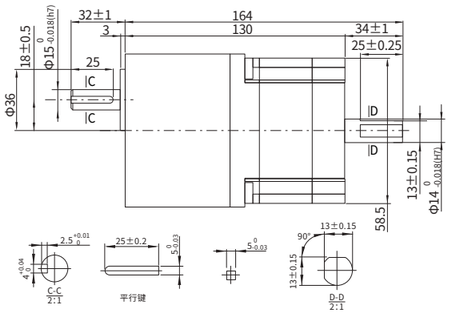
A:Single Shaft B:Dual Shaft

Recommend Drives:MD-2807

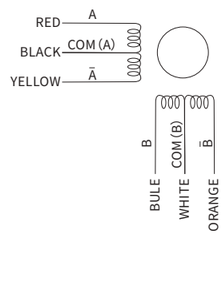
◆ Dimension (Unit:mm)

Normal Size



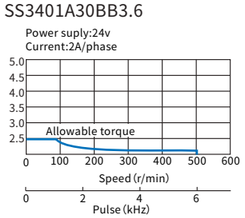


Wiring Diagram

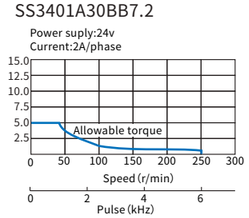


Torque Curves

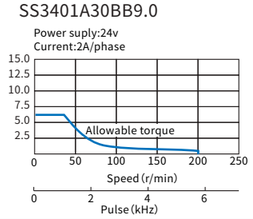
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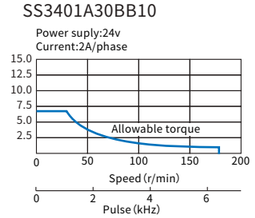
SS3401A30AB7.2
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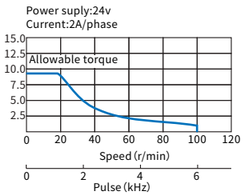
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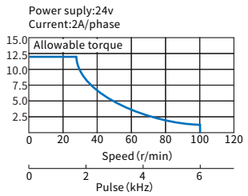
SS3401A30AB10
SS3401A30BB10



SS3401A30AB18
SS3401A30BB18



SS3401A30AB36
SS3401A30BB36



SAMSR MOTOR
Planetary Gearbox Stepper Motors

Products Feature

▪ Samsr gearbox stepper motor offers a wide range of gear ratios to fulfill your project needs. The planetary gearhead (transmission series) have been strictly tested to ensure long life and maximum efficiency. They are low - cost solutions and can perfectly meet your needs of motion or automation control. Besides, high precision gearhead, custom motor winding and gearbox specs are also available;

▪ Match with Drives: MD-2322,MD-2507,MD-2807 and more SAMSR' drives;

▪ Mainly Recommend:

①Standard grade:20SG,28PG,28SG,42PG,42SG,57PG,57SG,86PG,86SG series;

②Precise grade:42XG 60XG series.



Standard Grade-Planetary Gearbox Stepper Motors

20SG Series Planetary Gearbox Stepper Motors
□ 20mm



High torque | 2-Phase | RoHS COMPLIANT 2002/95/EC

◆ Parameters

Model Single Shaft	Step Angle °	Rated current A	Holding Torque N-m	Speed Range (r/min)	Lead pin	Gearbox Length L (mm)	Motor Length L1 (mm)	Reduction Ratio
20SG1050-043	0.41	0.5	0.09	0-240	4	24	37.7	1:4.38
20SG1050-054	0.33	0.5	0.11	0-200	4	24	37.7	1:5.4
20SG2050-192	0.09	0.5	0.41	0-60	4	28	37.7	1:19.2
20SG2050-291	0.06	0.5	0.62	0-36	4	28	37.7	1:29.1

Noted: Below models is normal products with stock ,can be added brake,encoder. Recommend Drives:MD-2322

◆ Dimension (Unit:mm)

Normal Size

Wiring Diagram

Main Features:

1、Low Noise,Noise⩽60dB

2、Long Life ,Up to8000H

3、Backlash : 1 Stage ⩽12arcmin

2 Stage <20arcmin

Torque Curves

20SG1050-043

20SG1050-054

20SG2050-192

20SG2050-291

28SG Series Planetary Gearbox Stepper Motors

☐ 28mm



High torque | 2-Phase | RoHS COMPLIANT 2002/95/EC

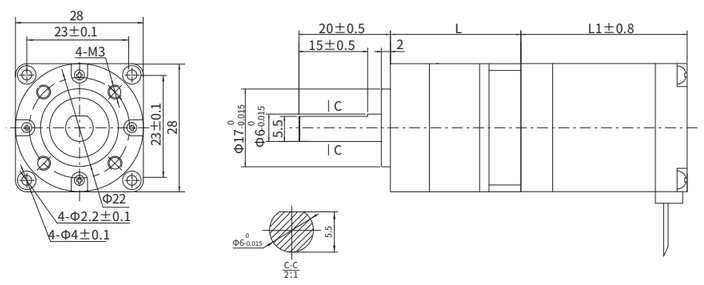
◆ Parameters

Model Single Shaft	Step Angle °	Rated current A	Holding Torque N-m	Speed Range (r/min)	Lead pin	Gearbox Length L (mm)	Motor Length L1 (mm)	Reduction Ratio
28SG1100-004	0.45	1.0	0.30	0-420	4	28.5	50.4	1:4
28SG1100-005	0.36	1.0	0.38	0-340	4	28.5	50.4	1:5
28SG2100-016	0.11	1.0	1.15	0-110	4	35	50.4	1:16
28SG2100-020	0.09	1.0	1.44	0-75	4	35	50.4	1:20

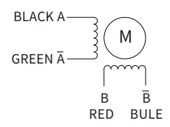
Noted: Below models is normal products with stock ,can be added brake,encoder. Recommend Drives:MD-2322

◆ Dimension (Unit:mm)

Normal Size



Wiring Diagram

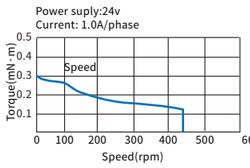


Main Features:

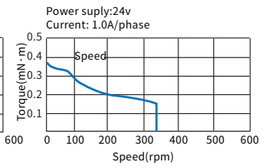
1、Low Noise,Noise≤60dB
2、Long Life ,Up to8000H
3、Backlash : 1 Stage ≤12arcmin
2 Stage <20arcmin

Torque Curves

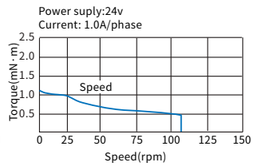
28SG1100-004



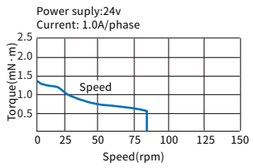
28SG1100-005



28SG2100-016

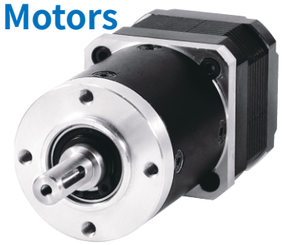


28SG2100-020



42SG Series Planetary Gearbox Stepper Motors

☐ 42mm



High torque | 2-Phase | RoHS COMPLIANT 2002/95/EC

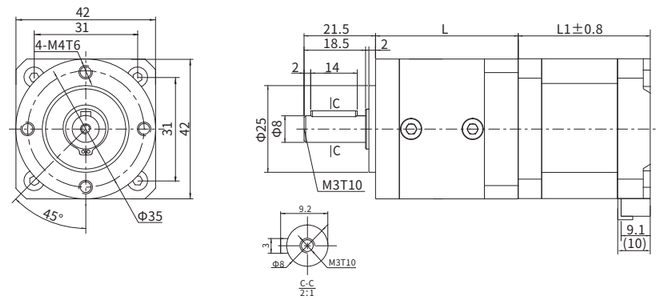
◆ Parameters

Model Single Shaft	Step Angle °	Rated current A	Holding Torque N-m	Speed Range (r/min)	Lead pin	Gearbox Length L (mm)	Motor Length L1 (mm)	Reduction Ratio
42SG1150-005	0.36	1.5	1.22	0-240	4	43	34	1:5
42SG1200-005	0.36	2.0	2.39	0-240	4	43	49.5	1:5
42SG1150-010	0.18	1.5	2.06	0-120	4	43	34	1:10
42SG1200-010	0.18	2.0	4.77	0-120	4	43	49.5	1:10
42SG2150-020	0.09	1.5	4.88	0-60	4	55	34	1:20
42SG2200-020	0.09	2.0	9.54	0-60	4	55	49.5	1:20

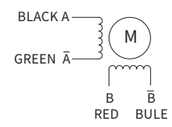
Noted: Below models is normal products with stock ,can be added brake,encoder. Recommend Drives:MD-2322

◆ Dimension (Unit:mm)

Normal Size



Wiring Diagram

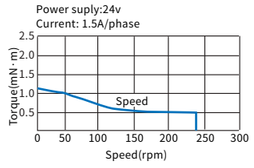


Main Features:

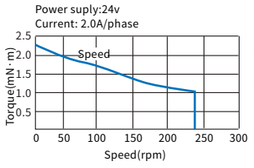
1、Low Noise,Noise≤60dB
2、Long Life ,Up to8000H
3、Backlash : 1 Stage ≤12arcmin
2 Stage <20arcmin

Torque Curves

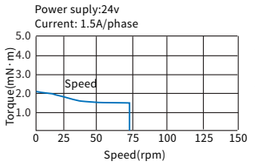
42SG1150-005



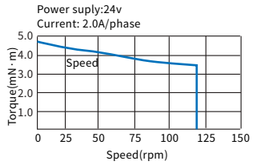
42SG1200-005



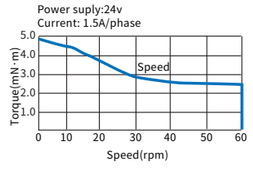
42SG1150-010



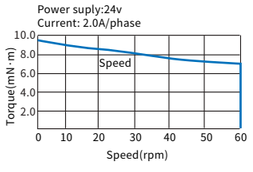
42SG1200-010



42SG2150-020

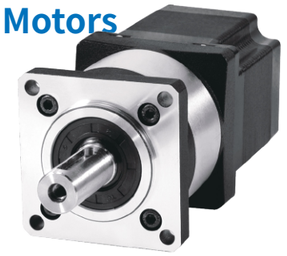


42SG2200-020



57SG Series Planetary Gearbox Stepper Motors

☐ 57mm



High torque | 2-Phase | RoHS COMPLIANT 2002/95/EC

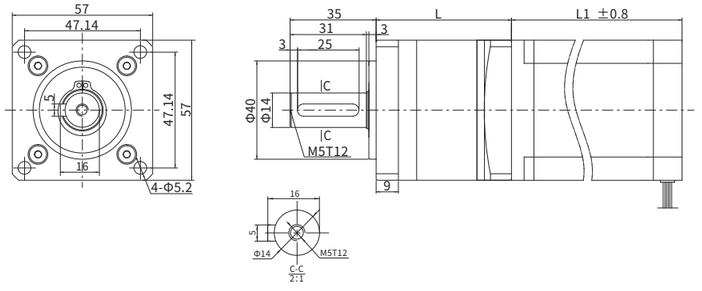
◆ Parameters

Model Single Shaft	Step Angle °	Rated current A	Holding Torque N-m	Speed Range (r/min)	Lead pin	Gearbox Length L (mm)	Motor Length L1 (mm)	Reduction Ratio
57SG1400-005	0.36	4.0	11.59	0-240	4	55	77	1:5
57SG1450-005	0.36	4.5	7.13	0-240	4	55	55	1:5
57SG1400-010	0.18	4.0	23.18	0-120	4	55	77	1:10
57SG1450-010	0.18	4.5	14.25	0-120	4	55	55	1:10
57SG2400-020	0.09	4.0	43.92	0-60	4	70	77	1:20
57SG2450-020	0.09	4.5	27	0-60	4	70	55	1:20

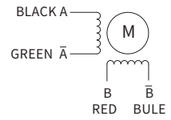
Noted: Below models is normal products with stock ,can be added brake,encoder. Recommend Drives:MD-2507

◆ Dimension (Unit:mm)

Normal Size



Wiring Diagram

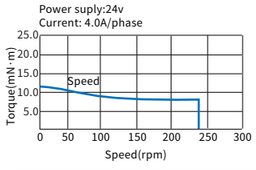


Main Features:

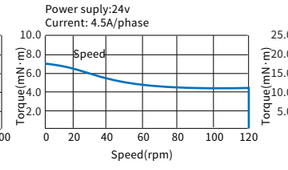
1、Low Noise,Noise≤60dB
2、Long Life ,Up to8000H
3、Backlash : 1 Stage ≤12arcmin
2 Stage <20arcmin

Torque Curves

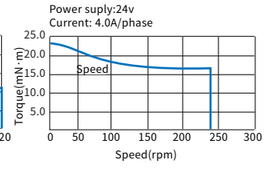
57SG1400-005



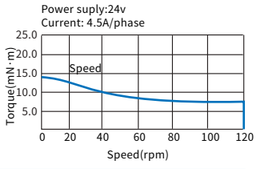
57SG1450-005



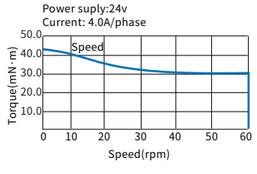
57SG1400-010



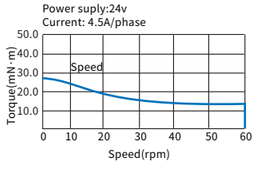
57SG1450-010



57SG2400-020

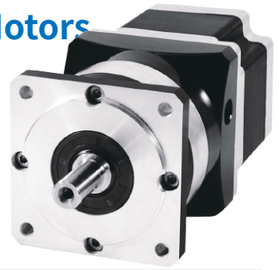


57SG2450-020



86PG Series Planetary Gearbox Stepper Motors

☐ 86mm



High torque | 2-Phase | RoHS COMPLIANT 2002/95/EC

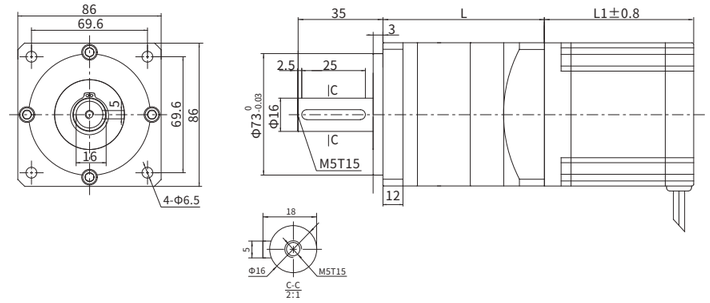
◆ Parameters

Model Single Shaft	Step Angle °	Rated current A	Holding Torque N-m	Speed Range (r/min)	Lead pin	Gearbox Length L (mm)	Motor Length L1 (mm)	Reduction Ratio
86PG1600-005	0.36	4.5	15.2	0-200	8	89	78.5	1:5
86PG1600-010	0.18	4.5	30.4	0-100	8	89	78.5	1:10
86PG2600-020	0.09	4.5	57.6	0-50	8	112	78.5	1:20
86PG2600-040	0.045	4.5	115.2	0-25	8	112	78.5	1:40

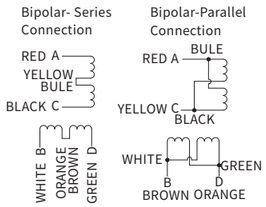
Noted: Below models is normal products with stock ,can be added brake,encoder. Recommend Drives:MD-2807

◆ Dimension (Unit:mm)

Normal Size



Wiring Diagram

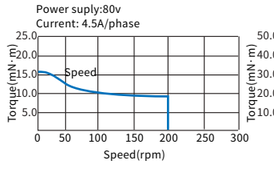


Main Features:

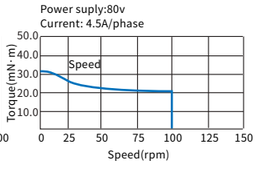
1、Low Noise,Noise≤60dB
2、Long Life ,Up to8000H
3、Backlash : 1 Stage ≤12arcmin
2 Stage <20arcmin

Torque Curves

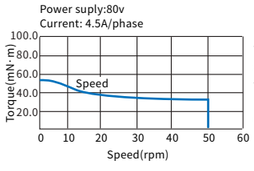
86PG1600-005



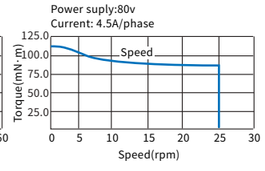
86PG1600-010



86PG2600-020

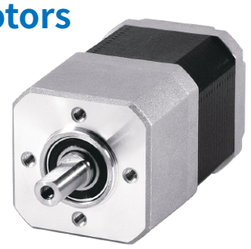


86PG2600-040



Precise Grade-Planetary Gearbox Stepper Motors

42XG Series Planetary Gearbox Stepper Motors
□ 42mm



High torque | 2-Phase

RoHS COMPLIANT 2002/95/EC

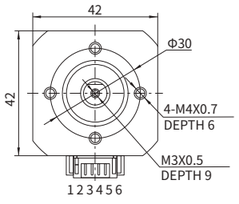
◆Parameters

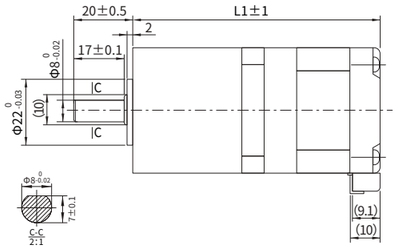
Model		Step Angle	Rated current	Holding Torque	Speed Range	Lead	Motor Length	Reduction Ratio
Single Shaft	Dual Shaft	°	A	N-m	(r/min)	pin	L1 (mm)	
42XG1140-005	42XG1141-005	0.36	1.41	1.8	0-240	4	58.8	1:5
42XG1150-005	42XG1151-005	0.36	1.50	2.0	0-240	4	72.3	1:5
42XG1140-010	42XG1141-010	0.18	1.41	2.7	0-120	4	58.8	1:10
42XG1150-010	42XG1151-010	0.18	1.50	3.5	0-120	4	72.3	1:10
42XG2140-020	42XG2141-020	0.09	1.41	4.0	0-60	4	69.3	1:20
42XG2150-020	42XG2151-020	0.09	1.50	6.0	0-60	4	82.8	1:20

Noted: Below models is normal products with stock ,can be added brake,encoder. Recommend Drives:MD-2322

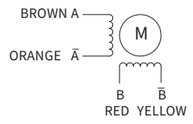
◆ Dimension (Unit:mm)

Normal Size





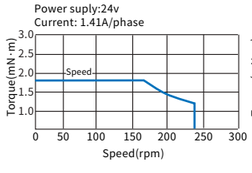
Wiring Diagram



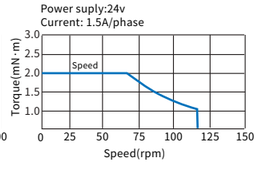
Main Features:
1、Low Noise,Noise≤60dB
2、Long Life ,Up to8000H
3、Backlash : 1 Stage ≤5arcmin
2 Stage <10arcmin

Torque Curves

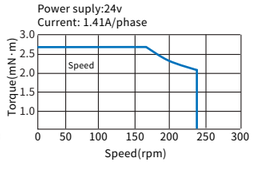
42XG1140-005
42XG1141-005



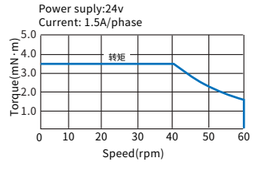
42XG1150-005
42XG1151-005



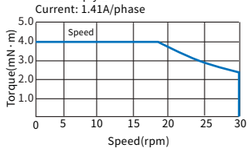
42XG1140-010
42XG1141-010



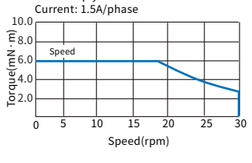
42XG1150-010
42XG1151-010



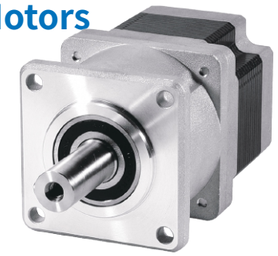
42XG2140-020
42XG2141-020



42XG2150-020
42XG2151-020



60XG Series Planetary Gearbox Stepper Motors
□ 60mm



High torque | 2-Phase

RoHS COMPLIANT 2002/95/EC

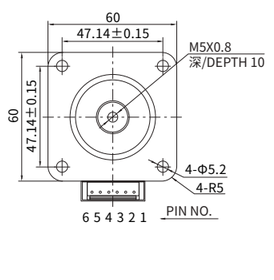
◆ Parameters

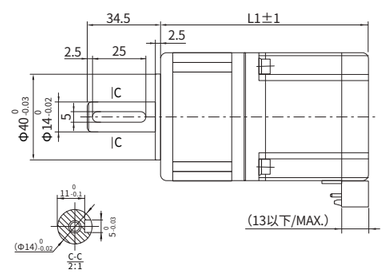
Model	Step Angle	Rated current	Holding Torque	Speed Range	Lead	Motor Length	Reduction Ratio
Single Shaft	°	A	N-m	(r/min)	pin	L1 (mm)	
60XG1400-005	0.36	4	4.0	0-240	4	85.8	1:5
60XG1450-005	0.36	4	8.0	0-240	4	127.3	1:5
60XG1400-010	0.18	4	6.0	0-120	4	85.8	1:10
60XG1450-010	0.18	4	10.0	0-120	4	127.3	1:10
60XG2400-040	0.045	4	20.0	0-30	4	104.3	1:40
60XG2450-040	0.045	4	40.0	0-30	4	145.8	1:40

Noted: Below models is normal products with stock ,can be added brake,encoder. Recommend Drives:MD-2507

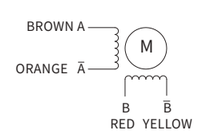
◆ Dimension (Unit:mm)

Normal Size





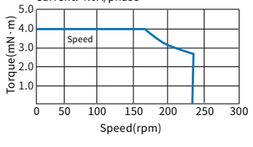
Wiring Diagram



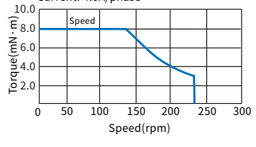
Main Features:
1、Low Noise,Noise≤60dB
2、Long Life ,Up to8000H
3、Backlash : 1 Stage ≤5arcmin
2 Stage <10arcmin

Torque Curves

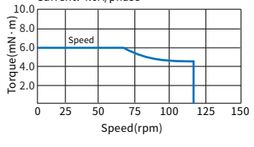
60XG1400-005



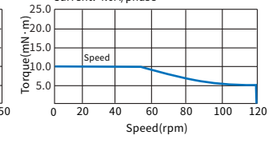
60XG1450-005



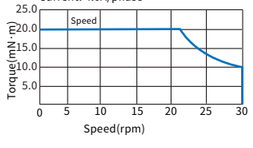
60XG1400-010



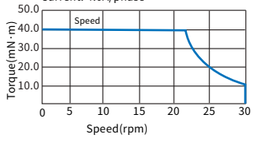
60XG1450-010



60XG2400-040



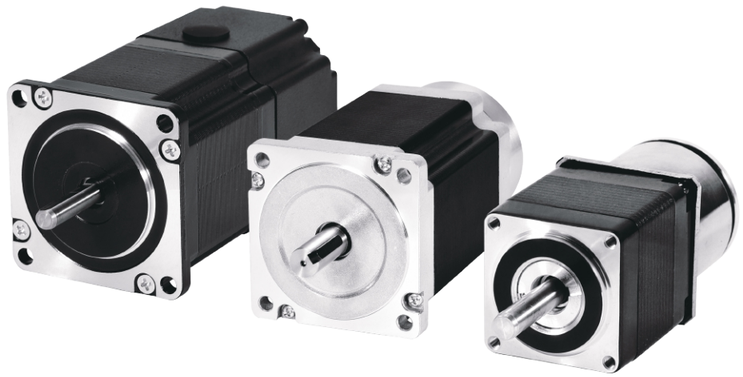
60XG2450-040



SAMSR MOTOR
Stepper Motors With Brake Type

Products Feature

- Permanent Magnet Brakes-high power density and high dynamics,it have self-locking function when power off. Will be suitable for vertical movement and swing joints. Be widely used in the applications to prevent the potential dangers;
- Low cost, low power consumption, low calorific value, fast reponse;
- Main recommend:nema11, nema14, nema17, nema23, nema34 stepper motors, rated working voltage of the standard brake is DC24V, and DC12V and 36V can be customized according to the requirements.



2-Phase/3-Phase Stepper Motors
Spur Gearbox Stepper Motors
Planetary Gearbox Stepper Motors
Stepper Motors With Brake Type
Hollow Shaft Stepper Motor
Closed Loop Stepper Motors

28mm Series Stepper Motors With Brake Type
□ 28mm



Low | High Reponse

RoHS COMPLIANT 2002/95/EC

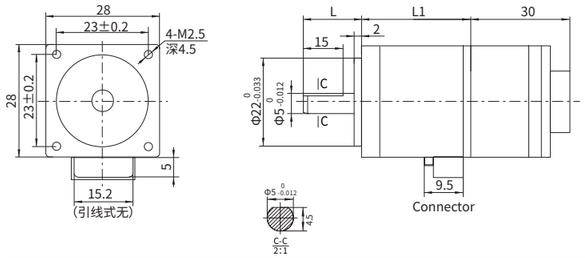
◆ Parameters

Model / Unit	Step Angle deg.	Rated Current A	Resistance Ω	Inductance Phase mH	Holding Torque mN-m	Rotor Inertia g-cm²	Lead	Weight Kg	Shaft Length L(mm)	Motor Length L1(mm)
SS1101A10D	1.8	1.0	1.65	3.6	60	9	4	0.20	22	31
SS1102A10D	1.8	1.0	2.50	2.2	100	16	4	0.28	20	52

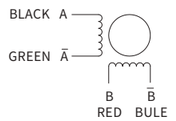
Recommend Drives:MD-2322

◆ Dimension (Unit:mm)

Normal Size



Wiring Diagram



LowHigh ReponseLowHigh Reponse

Rated Voltage V	Braking Torque N·m	Brake Power W	Max Speed KRPM	Response Time MS	Dielectric Strength
24	0.4	4	3	15	B

Brake Wiring Diagram

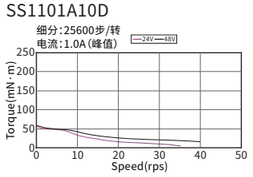
RED-----V+
BLACK-----V-

Technical Requirements

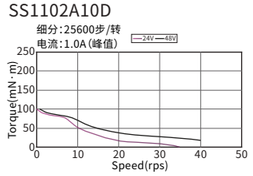
1、Setting air gap A should be between 0.1mm-0.2mm;
2、The parallelism of braking surface is not greater than 0.05mm;
3、Finishing: Eco-friendly blue zinc-plated

Torque Curves

SS1101A10D

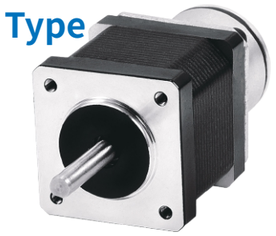


SS1102A10D



35mm Series Stepper Motors With Brake Type

☐ 35mm



Low | High Reponse

RoHS COMPLIANT 2002/95/EC

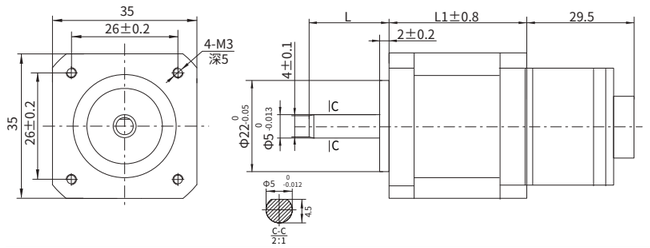
◆ Parameters

Model	Step Angle	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Shaft Length	Motor Length
Unit	deg.	A	Ω	mH	mN-m	g-cm²		Kg	L(mm)	L1(mm)
SS1401A10D	1.8	1.0	4.1	6.4	160	22	4	0.28	24	36

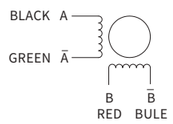
Recommend Drives:MD-2322

◆ Dimension (Unit:mm)

Normal Size



Wiring Diagram



LowHigh ReponseLowHigh Reponse

Rated Voltage	Braking Torque	Brake Power	Max Speed	Response Time	Dielectric Strength
V	N·m	W	KRPM	MS	
24	＞0.3	＜4	3	15	B

Brake Wiring Diagram

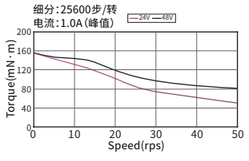
RED-----V+
BLACK-----V-

Technical Requirements

1、Setting air gap A should be between 0.1mm-0.2mm;
2、The parallelism of braking surface is not greater than 0.05mm;
3、Finishing: Eco-friendly blue zinc-plated

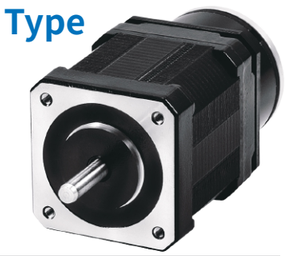
Torque Curves

SS1401A10D



42mm Series Stepper Motors With Brake Type

☐ 42mm



Low | High Reponse

RoHS COMPLIANT 2002/95/EC

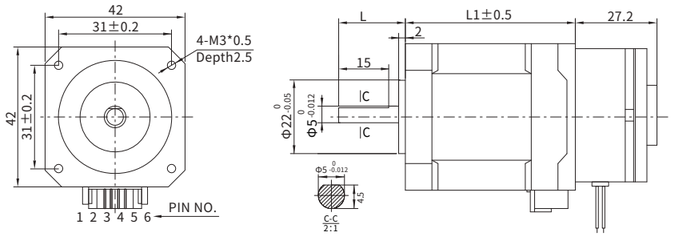
◆ Parameters

Model	Step Angle	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Shaft Length	Motor Length
Unit	deg.	A	Ω	mH	mN-m	g-cm²		Kg	L(mm)	L1(mm)
SS1703A15D	1.8	1.5	1.65	3.6	380	56	4	0.46	20	40
SS1704A20D	1.8	2.0	1.81	4.0	540	66	4	0.52	20	48

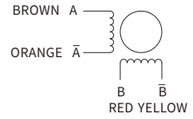
Recommend Drives:MD-2322

◆ Dimension (Unit:mm)

Normal Size



Wiring Diagram



LowHigh ReponseLowHigh Reponse

Rated Voltage	Braking Torque	Brake Power	Max Speed	Response Time	Dielectric Strength
V	N·m	W	KRPM	MS	
24	＞0.8	＜4.5	5	50	B

Brake Wiring Diagram

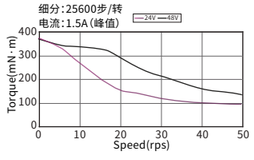
RED-----V+
BLACK-----V-

Technical Requirements

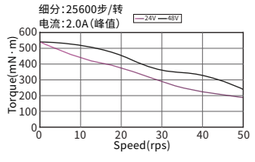
1、Setting air gap A should be between 0.1mm-0.2mm;
2、The parallelism of braking surface is not greater than 0.05mm;
3、Finishing: Eco-friendly blue zinc-plated
4、The unmarked tolerance is ±0.1

Torque Curves

SS1703A15D



SS1704A20D



57mm Series Stepper Motors With Brake Type

☐ 57mm



Low | High Reponse

RoHS COMPLIANT 2002/95/EC

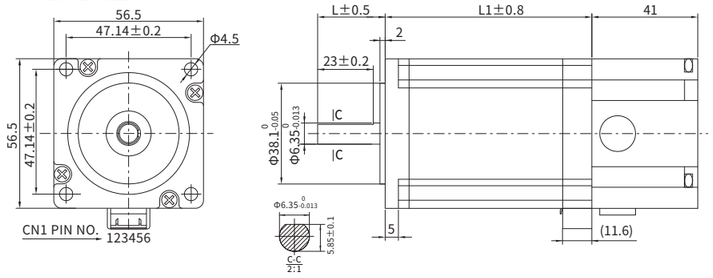
◆ Parameters

Model	Step Angle	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Shaft Length	Motor Length
Unit	deg.	A	Ω	mH	mN-m	g-cm²		Kg	L(mm)	L1(mm)
SS2302A42D	1.8	4.2	0.41	1.3	1220	245	4	1.12	25	54
SS2304A42D	1.8	4.2	0.60	2.2	2440	470	4	1.52	25	78

Recommend Drives:MD-2507

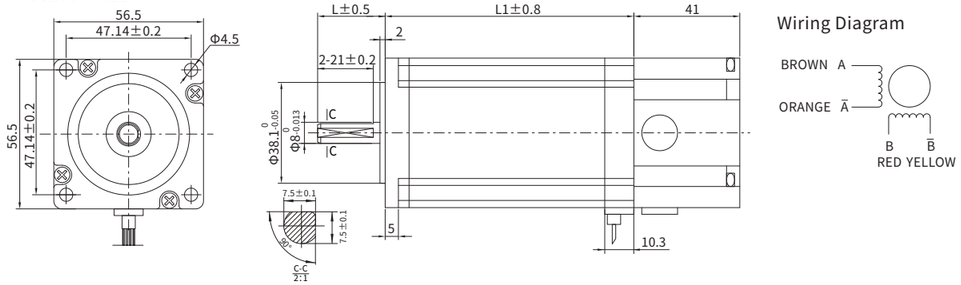
◆ Dimension (Unit:mm)

SS2302A42D



Wiring Diagram

SS2304A42D



Wiring Diagram

LowHigh ReponseLowHigh Reponse

Rated Voltage	Braking Torque	Brake Power	Max Speed	Response Time	Dielectric Strength
V	N·m	W	KRPM	MS	
24	1.5	4.5	1	50	B

Brake Wiring Diagram

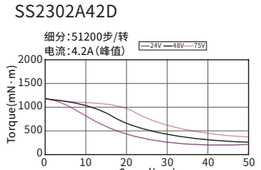
RED-----V+
BLACK-----V-

Technical Requirements

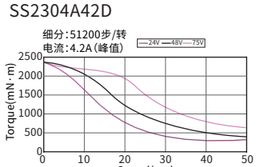
1、Setting air gap A should be between 0.1mm-0.2mm;
2、The parallelism of braking surface is not greater than 0.05mm;
3、The winding impedance is between 130 and 170ohm.

Torque Curves

SS2302A42D

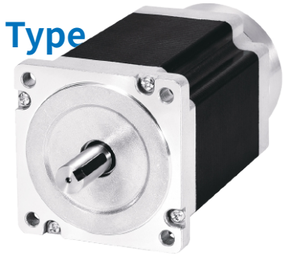


SS2304A42D



86mm Series Stepper Motors With Brake Type

☐ 86mm



Low | High Reponse

RoHS COMPLIANT 2002/95/EC

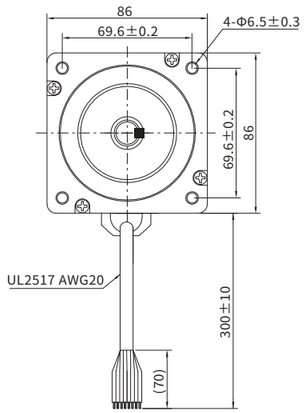
◆ Parameters

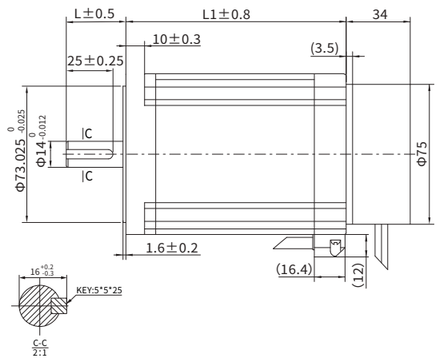
Model	Step Angle	Rated Current	Resistance	Inductance Phase	Holding Torque	Rotor Inertia	Lead	Weight	Shaft Length	Motor Length
Unit	deg.	A	Ω	mH	mN-m	g-cm²		Kg	L(mm)	L1(mm)
SS3403A60D	1.8	4.5	0.8	4.2	9000	2500	4	4.48	32	118.5

Recommend Drives:MD-2807

◆ Dimension (Unit:mm)

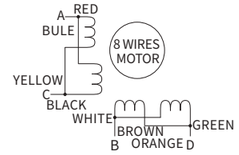
Normal Size



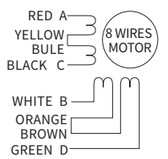


Wiring Diagram

■ 8 wiresBipolar-Parallel Connection



■ 8 wires Bipolar- Series Connection



LowHigh ReponseLowHigh Reponse

Rated Voltage	Braking Torque	Brake Power	Max Speed	Response Time	Dielectric Strength
V	N·m	W	KRPM	MS	
24	4	8	1	50	B

Brake Wiring Diagram

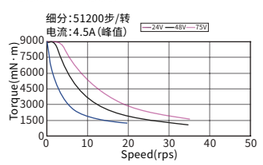
BLACK-----V+
BLACK-----V-

Technical Requirements

1、Setting air gap A should be between 0.1mm-0.2mm;
2、The parallelism of braking surface is not greater than 0.05mm;
3、Finishing: Eco-friendly blue zinc-plated

Torque Curves

SS3403A60D



SAMSR MOTOR
Hollow Shaft Stepper Motor

Products Feature

- In terms of structure, the rotor structure of inherited motor is broken through, and the rotor without iron core is adopted;
- The inner hole is mainly used for wiring, light transmission or air and other media, which greatly optimizes mechanical design, facilitates wiring and saves design space and production cost;
- Rapid braking, fast response, mechanical time constant less than 28ms;
- Match with Drives: MD-2322,MD-2507,MD-2807 and more SAMSR' drives;
- Main recommend:nema28, nema42, nema57, nema86 stepper motors.



28mm Series Hollow Shaft Stepper Motor
□ 28mm



低功耗 快速反应

RoHS COMPLIANT 2002/95/EC

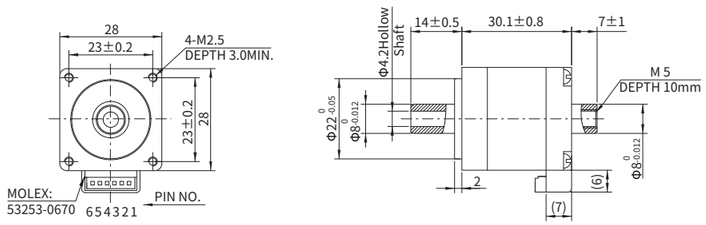
◆ Parameters

Model / Unit	Step Angle deg.	Rated Voltage V	Rated Current A	Resistance Ω	Inductance/Phase mH	Holding Torque N-m	Rotor Inertia g-cm²	Lead	Weight g	Motor Length mm
SS1101A08G	1.8	4.3	0.8	5.4	3.9	0.067	9.0	Nennector with harness	100	30.1
SS1102A08G	1.8	4.6	0.8	5.7	5.0	0.140	16.0	Lead Wire	200	50.4

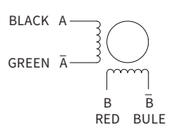
Recommend Drives:MD-2322

◆ Dimension (Unit:mm)

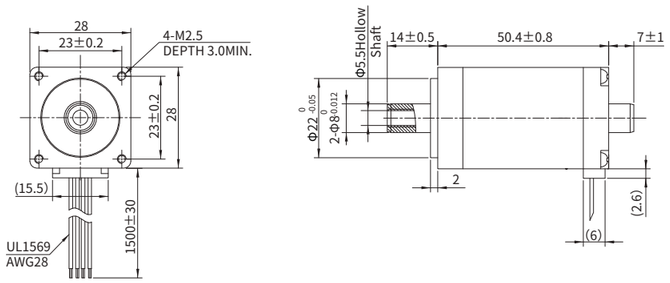
SS1101A08G



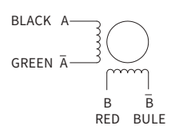
Wiring Diagram



SS1102A08G



Wiring Diagram



42mm Series Hollow Shaft Stepper Motor

☐ 42mm

低功耗 快速反应

RoHS COMPLIANT 2002/95/EC



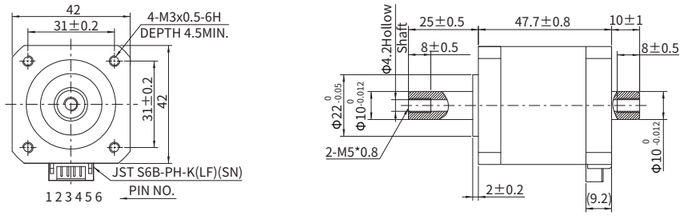
◆ Parameters

Model	Step Angle	Rated Voltage	Rated Current	Resist-ance	Inductan-ce/Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	N-m	g-cm²		g	mm
SS1704A20G	1.8	2.2	2.0	1.1	2	0.51	82	Nennector with harness	360	47.7

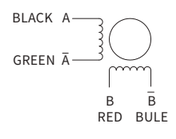
Recommend Drives:MD-2322

◆ Dimension (Unit:mm)

SS1704A20G



Wiring Diagram

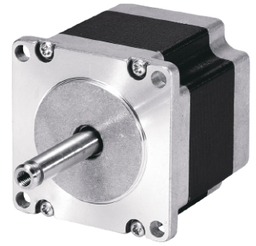


57mm Series Hollow Shaft Stepper Motor

☐ 57mm

低功耗 快速反应

RoHS COMPLIANT 2002/95/EC



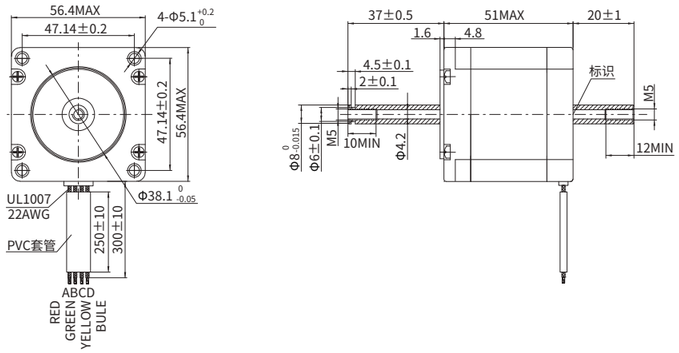
◆ Parameters

Model	Step Angle	Rated Voltage	Rated Current	Resist-ance	Inductan-ce/Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	N-m	g-cm²		g	mm
SS2302A30G	1.8	2.3	2.8	0.83	2.2	1.1	230	Lead Wire	640	51

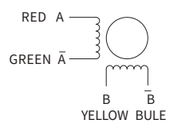
Recommend Drives:MD-2507

◆ Dimension (Unit:mm)

SS2302A30G

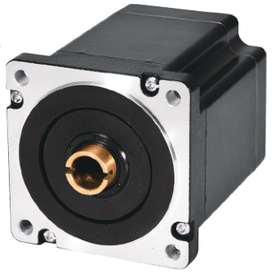


Wiring Diagram



86mm Series Hollow Shaft Stepper Motor

☐ 86mm



低功耗 | 快速反应

RoHS COMPLIANT 2002/95/EC

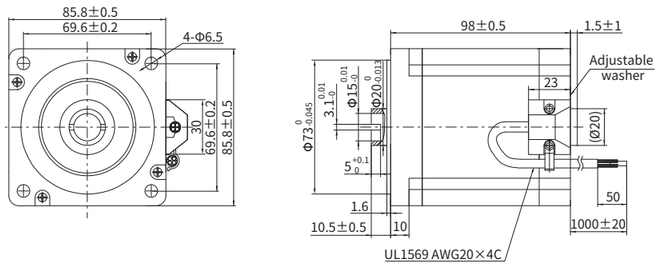
◆ Parameters

Model	Step Angle	Rated Voltage	Rated Current	Resist-ance	Inductan-ce/Phase	Holding Torque	Rotor Inertia	Lead	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	N-m	g-cm²		g	mm
SS3402AP45G	1.8	3.8	2.0	1.9	20	6.2	1700	Lead Wire	3080	98

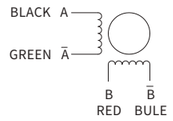
Recommend Drives:MD-2807

◆ Dimension (Unit:mm)

SS3402AP45G



Wiring Diagram



✆ 4008-160-502

SAMSR MOTOR
Closed Loop Stepper Drives

■ Products Feature

- A motor drive that utilizes motor position feedback with a control loop for accurate control of motor position and/or velocity;
- Mainly recommend: NEMA 17,NEMA 23,NEMA24,NEMA34, Hybrid Stepper Motor with 1000 line incremental encoder;
- Match with drives: MS-2506,MSA-2807 .



2-Phase/3-Phase Stepper Motors
Spur Gearbox Stepper Motors
Planetary Gearbox Stepper Motors
Stepper Motors With Brake Type
Hollow Shaft Stepper Motor
Closed Loop Stepper Motors

42mm Series Closed Loop Stepper Motors

☐ 42mm



1.8° | Bipolar | RoHS COMPLIANT 2002/95/EC

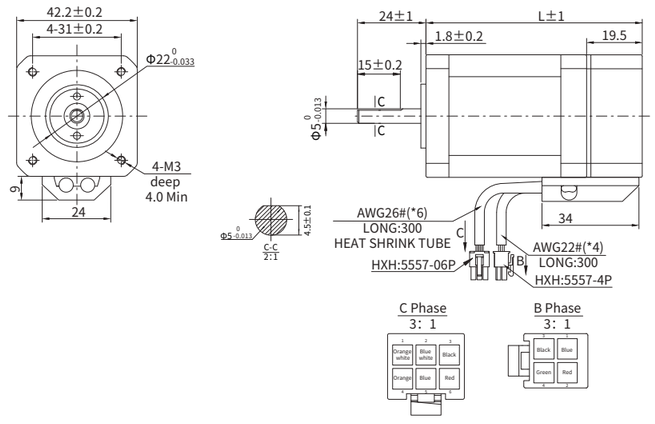
◆ Parameters

Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance	Holding Torque	Rotor Inertia	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	N-m	g-cm²	Kg	L(mm
SS1704A20F1000(N)	1.8	2.6	2.0	1.35	2.9	0.48	77	0.42	67.6
SS1705A20F1000(N)	1.8	3.6	2.0	1.75	4.0	0.72	110	0.56	79.6

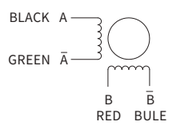
Recommend Drives:MS-2506

◆ Dimension (Unit:mm)

Normal Size



Wiring Diagram



Encoder Wiring Diagram

1	BLACK	EGND
2	RED	+5VCC
3	BLUE/WHITE	EA-
4	BLUE	EA+
5	ORANGE/WHITE	EB-
6	ORANGE	EB+

57mm Series Closed Loop Stepper Motors

☐ 57mm



1.8° | Bipolar | RoHS COMPLIANT 2002/95/EC

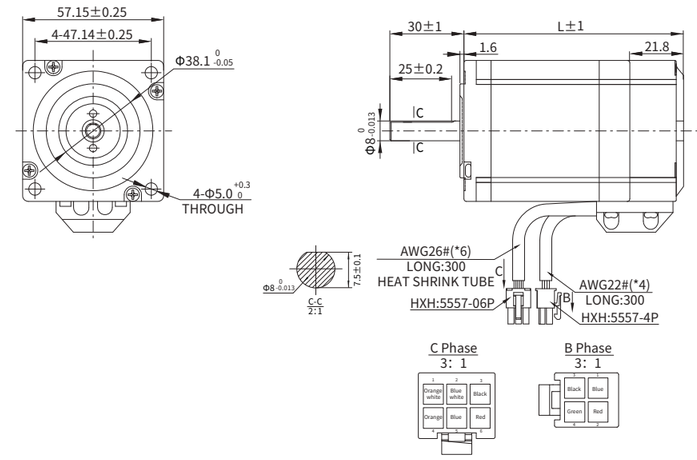
◆ Parameters

Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance	Holding 保持力矩	Rotor Inertia	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	N-m	g-cm²	Kg	L(mm
SS2302A42F1000(N)	1.8	1.76	4.0	0.44	1.4	1.20	280	0.80	77.3
SS2304A50F1000(N)	1.8	2.10	5.0	0.42	1.9	2.20	520	1.26	102.3

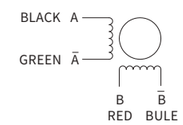
Recommend Drives:MS-2506

◆ Dimension (Unit:mm)

Normal Size



Wiring Diagram



Encoder Wiring Diagram

1	BLACK	EGND
2	RED	+5VCC
3	BLUE/WHITE	EA-
4	BLUE	EA+
5	ORANGE/WHITE	EB-
6	ORANGE	EB+

60mm Series Closed Loop Stepper Motors

☐ 60mm



1.8° | Bipolar | RoHS COMPLIANT 2002/95/EC

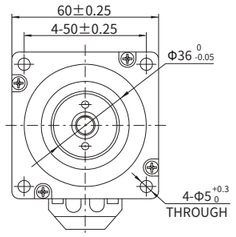
◆ Parameters

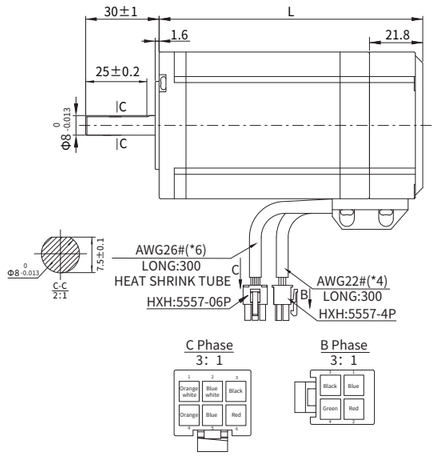
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance	Holding Torque	Rotor Inertia	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	N-m	g-cm²	Kg	L(mm
SS2403A50F1000(N)	1.8	2.40	5.0	0.43	1.8	3.0	690	1.44	107.8

Recommend Drives:MS-2506

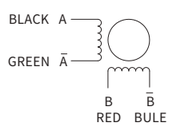
◆ Dimension (Unit:mm)

Normal Size





Wiring Diagram



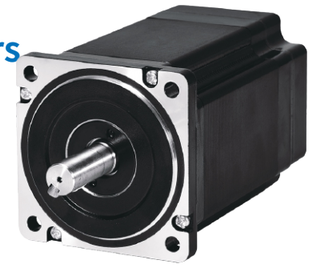
Encoder Wiring Diagram

1	BLACK	EGND
2	RED	+5VCC
3	BLUE/WHITE	EA-
4	BLUE	EA+
5	ORANGE/WHITE	EB-
6	ORANGE	EB+

2-Phase/3-Phase Stepper Motors
Spur Gearbox Stepper Motors
Planetary Gearbox Stepper Motors
Stepper Motors With Brake Type
Hollow Shaft Stepper Motor
Closed Loop Stepper Motors

86mm Series Closed Loop Stepper Motors

☐ 86mm



1.8° | Bipolar | RoHS COMPLIANT 2002/95/EC

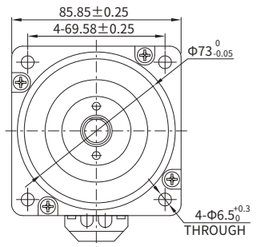
◆ Parameters

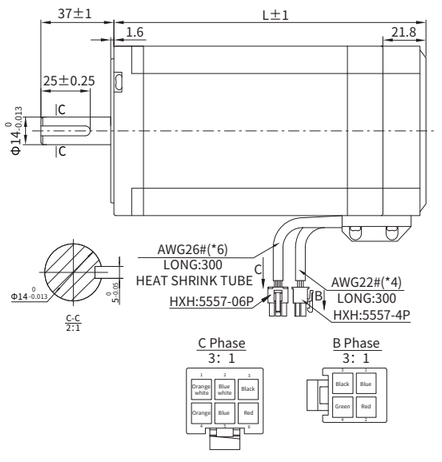
Model	Step Angle	Rated Voltage	Rated Current	Resistance	Inductance	Holding Torque	Rotor Inertia	Weight	Motor Length
Unit	deg.	V	A	Ω	mH	N-m	g-cm²	Kg	L(mm
SS3403A60F1000(N)	1.8	2.70	6.0	0.54	4.7	8.2	1100	3.82	134.1

Recommend Drives:MSA-2807

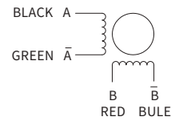
◆ Dimension (Unit:mm)

Normal Size





Wiring Diagram



Encoder Wiring Diagram

1	BLACK	EGND
2	RED	+5VCC
3	BLUE/WHITE	EA-
4	BLUE	EA+
5	ORANGE/WHITE	EB-
6	ORANGE	EB+