

MS14HS Series: 1.8° - Size14



- Phases 2
- Steps / Revolution 200
- Step Accuracy ±5%
- Shaft Load (20,000 Hours at 1000 RPM)
 - Axial 25 N (5.6 Lbs.) Push
65 N (15 Lbs.) Pull
 - Radial 30 N (6.5 Lbs.) At Flat Center
- IP Rating 40
- Approvals RoHS
- Operating Temp. -20°C to +50°C
- Insulation Class B, 130°C
- Insulation Resistance 100 MegOhms

MS14HS 3 P 4 040

Basic Motor Length (Max)

1	27.3mm (1.07 in.)
3	36mm (1.42 in.)
5	55mm (2.17 in.)

Electrical Connection

P Plug-in Connector

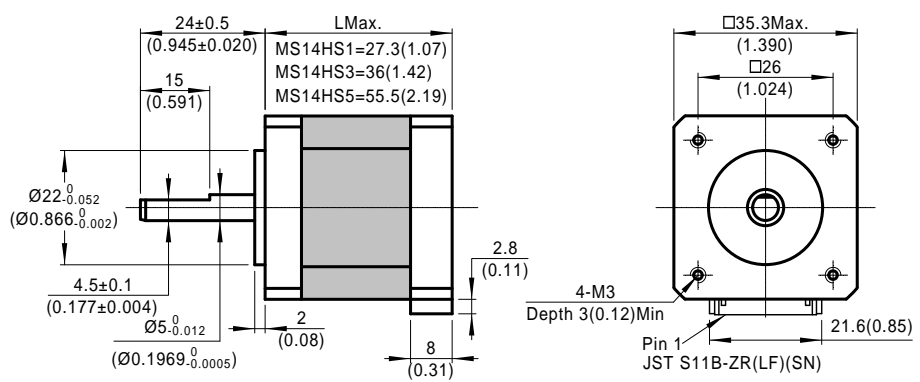
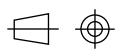
Winding

Current rating x 100

Number of Connections

4	4 Lead-Bipolar
6	6 Lead-Unipolar (or Bipolar)

Dimensions: mm (in)



MS14HS - 4 Lead Bi-Polar

Length	Model Number	Connect	Rated Current	Holding Torque		Winding Ohms mH		Detent Torque		Rotor Inertia		Motor Weight	
	Single Shaft	P=Plug L=Leads	Amps (mounted)	Nm Typ.	oz-in TYP.	±10% @20 C	Typ.	mNm	oz-in	g cm ²	oz-in ²	kg	Lbs
27.3 mm (1.07 in.)	MS14HS1P4026	P	0.26	0.13	18	49	47	10	1.4	12	0.066	0.15	0.33
	MS14HS1P4070	P	0.7	0.13	19	6.6	7						
	MS14HS1P4100	P	1	0.13	19	3.3	3.3						
	MS14HS1P4150	P	1.5	0.13	19	1.55	1.53						
36 mm (1.42 in.)	MS14HS3P4032	P	0.32	0.24	34	37	52	15	2.1	20	0.11	0.21	0.46
	MS14HS3P4075	P	0.75	0.23	33	6	8.9						
	MS14HS3P4100	P	1	0.23	33	3.4	5						
	MS14HS3P4150	P	1.5	0.23	33	1.62	2.2						
55 mm (2.17 in.)	MS14HS5P4040	P	0.4	0.39	55	30	50	18	2.5	35	0.19	0.24	0.53
	MS14HS5P4100	P	1	0.40	57	5.1	8.3						
	MS14HS5P4150	P	1.5	0.40	57	2.2	3.6						
	MS14HS5P4200	P	2	0.40	57	1.34	2.1						

^ Preferred model

MS14HS - 6 Lead Uni-Polar

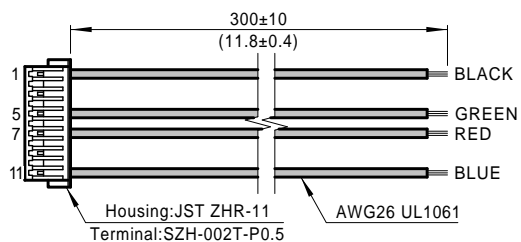
Length	Model Number	Connect	Rated Current	Holding Torque		Winding Ohms mH		Detent Torque		Rotor Inertia		Motor Weight	
	Single Shaft	P=Plug L=Leads	Amps (mounted)	Nm Typ.	oz-in TYP.	±10% @20 C	Typ.	mNm	oz-in	g cm ²	oz-in ²	kg	Lbs
27.3 mm (1.07 in.)	MS14HS1P6026	P	0.26	0.10	14	48	23	10	1.4	12	0.066	0.15	0.33
	MS14HS1P6060	P	0.6	0.10	14	8.9	4.5						
	MS14HS1P6100	P	1	0.10	14	3.3	1.7						
36 mm (1.42 in.)	MS14HS3P6032	P	0.32	0.17	24	37	22	15	2.1	20	0.11	0.21	0.46
	MS14HS3P6070	P	0.7	0.18	25	7.5	5.4						
	MS14HS3P6110	P	1.1	0.18	25	3	2.1						
55 mm (2.17 in.)	MS14HS5P6040	P	0.4	0.30	42	31	26	18	2.5	35	0.19	0.24	0.53
	MS14HS5P6085	P	0.85	0.31	44	7.1	6.2						
	MS14HS5P6120	P	1.2	0.30	42	3.5	2.9						

^ Preferred model

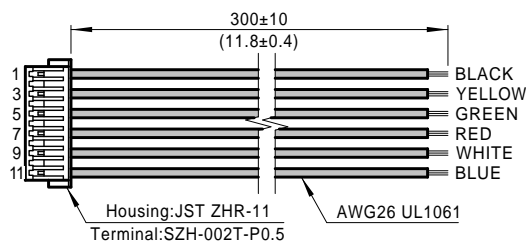
Mating Connector With Leads (order separately)

Dimensions: mm (in)

4 Lead Part Number 4634 1402 02846



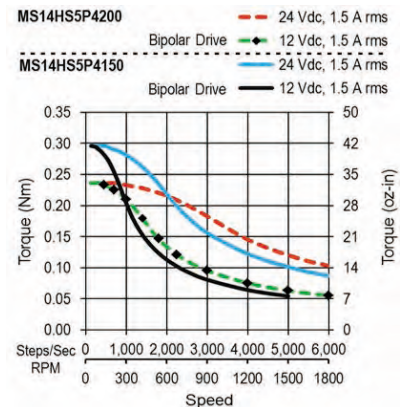
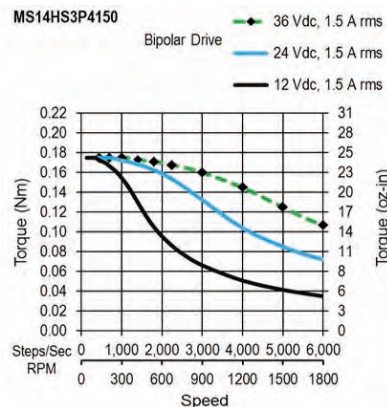
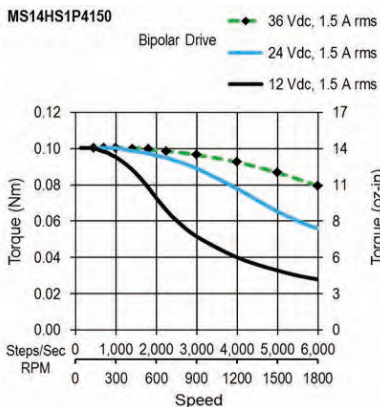
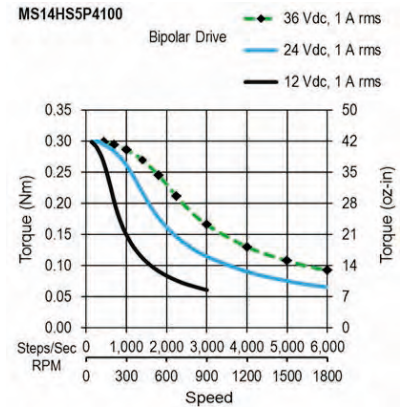
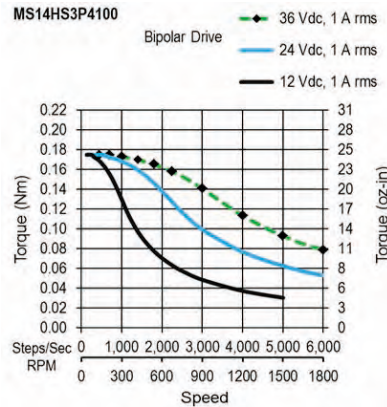
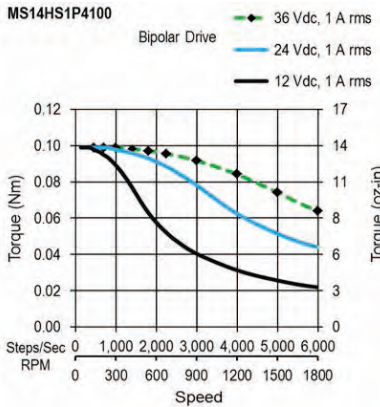
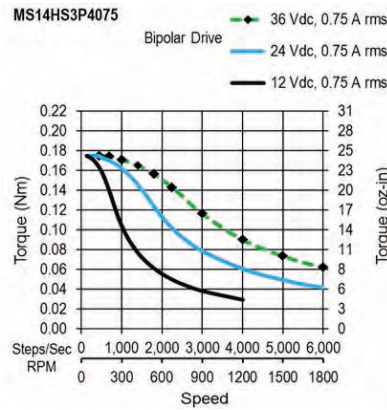
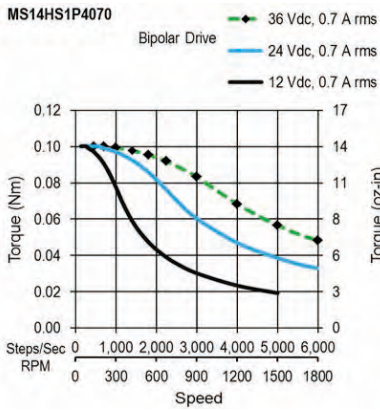
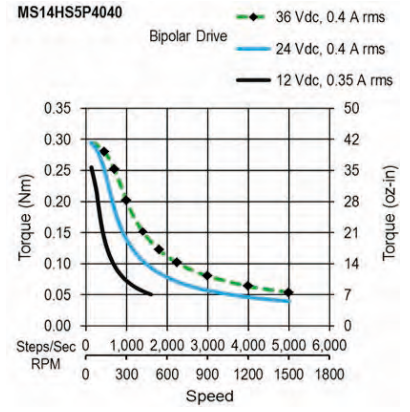
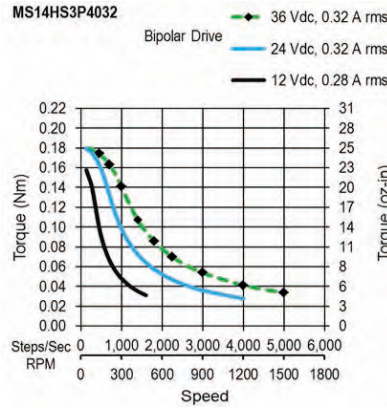
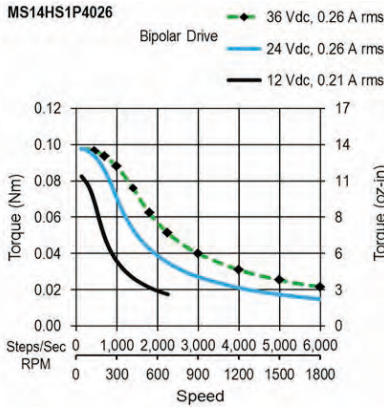
6 Lead Part Number 4634 1402 04489



MS14HS1-1.8° Bipolar

MS14HS3-1.8° Bipolar

MS14HS5-1.8° Bipolar



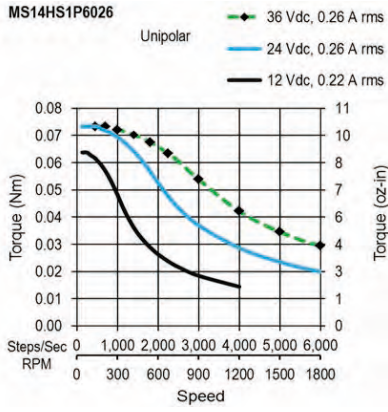
MOONS Technology

2 Phase Step Motors

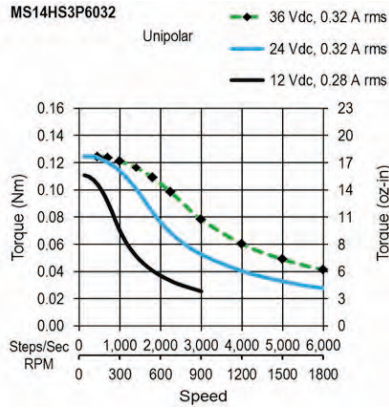
3 Phase Step Motors

Technical

MS14HS1-1.8° Unipolar



MS14HS3-1.8° Unipolar



MS14HS5-1.8° Unipolar

