

2SHG Hybrid PM bi-polar

Features:

- Ball bearings (both sides)
- Long life
- Accurate

Options:

- Double shaft
- Different lead lengths
- Connectors



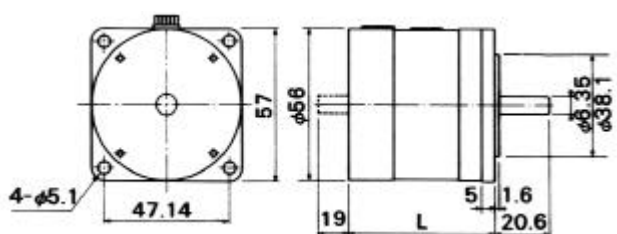
Motor data

Motor order number	Type	Nominal voltage (V)	Current (A/ Phase)	Resistance (Ω/ Phase)	Inductance (mH/ Phase)	Holding torque (mNm)	Detent torque (mNm)	Rotor inertia (g-cm ²)	Overall length (L=mm)	Weight (g)
1421-034-20393	2SHG-034A39S	3.4	1.4	2.4	5.5	300	35	61	39	380
1421-036-20393	2SHG-036A39S	3.6	0.65	5.5	14.0	300	35	61	39	380
1421-050-20393	2SHG-050A39S	5.0	1.0	5.0	5.3	300	35	61	39	380
1421-072-20393	2SHG-072A39S	7.2	0.6	12.0	15.0	300	35	61	39	380
1421-140-20393	2SHG-140A39S	14.0	0.35	40.0	97.0	300	35	61	39	380
1421-200-20393	2SHG-200A39S	20.0	0.25	80.0	145.0	300	35	61	39	380
1421-015-20463	2SHG-015A46S	1.5	3.8	0.4	0.4	400	40	85	46	460
1421-022-20463	2SHG-022A46S	2.2	2.2	1.0	2.0	400	40	85	46	460
1421-043-20463	2SHG-043A46S	4.3	0.65	6.6	22.0	400	40	85	46	460
1421-050-20463	2SHG-050A46S	5.0	1.0	5.0	13.0	400	40	85	46	460
1421-060-20463	2SHG-060A46S	6.0	0.7	8.6	26.4	400	40	85	46	460
1421-240-20463	2SHG-240A46S	24.0	0.21	114.0	158.0	400	40	85	46	460
1421-019-20513	2SHG-019A51S	1.9	2.8	0.68	2.0	500	40	117	51	550
1421-026-20513	2SHG-026A51S	2.6	1.9	1.35	2.6	500	40	117	51	550
1421-035-20513	2SHG-035A51S	3.5	1.4	2.5	10.0	500	40	117	51	550
1421-051-20513	2SHG-051A51S	5.1	0.65	7.8	32.0	500	40	117	51	550
1421-060-20513	2SHG-060A51S	6.0	1.0	6.0	18.0	500	40	117	51	550
1421-083-20513	2SHG-083A51S	8.3	0.72	11.5	36.0	500	40	117	51	550
1421-020-20563	2SHG-020A56S	2.0	3.6	0.55	0.8	600	40	150	56	600
1421-023-20563	2SHG-023A56S	2.3	3.2	0.72	2.1	600	40	150	56	600
1421-032-20563	2SHG-032A56S	3.2	2.3	1.4	2.7	600	40	150	56	600
1421-042-20563	2SHG-042A56S	4.2	1.7	2.5	10.0	600	40	150	56	600
1421-055-20563	2SHG-055A56S	5.5	0.65	8.5	40.0	600	40	150	56	600
1421-120-20563	2SHG-120A56S	12.0	0.6	20.0	50.0	600	40	150	56	600

General data

Step angle	1.8°
Positional accuracy	± 5% max. noncumulative
Number of phases	2
Temperature rise	55 deg. max.
Insulation resistance	50 MO min. at 500VDC
Dielectric strength	AC500V for one minute
Insulation class	B
Lead wire size	AWG #22 L= 300 ^m / _m
Number of leads	4
Operating ambient temperature	-20°C to +50°C

Dimensional drawing



Wiring diagram

