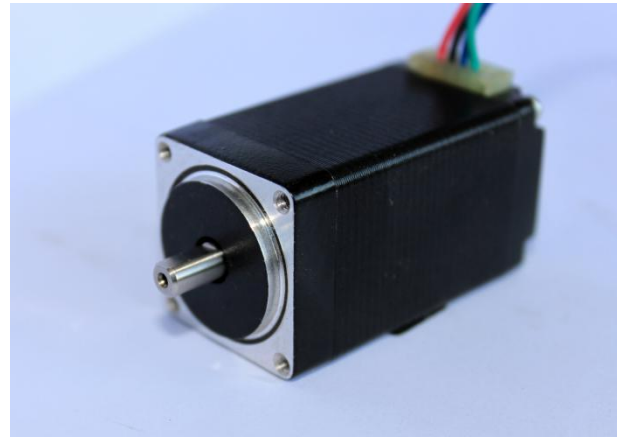


1.8° Nema 11 (Size 28 mm) Hybrid Motors

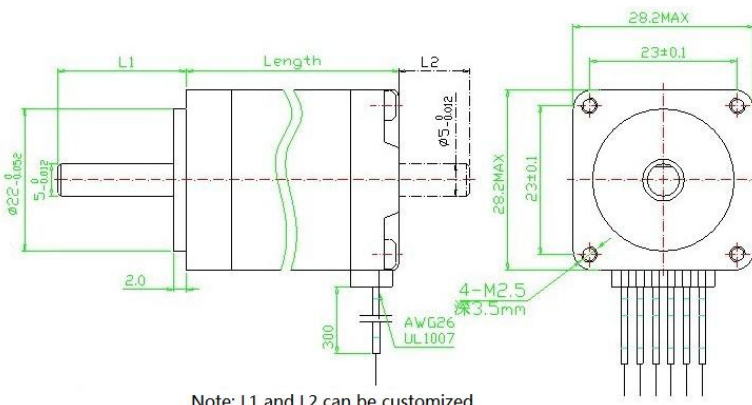
• **General Specification for Hybrid Step Motors**

Item	Specifications
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ.,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02Max(450g-load)
Shaft Axial Play	0.08Max(450g-load)
Insulation Class	Class B

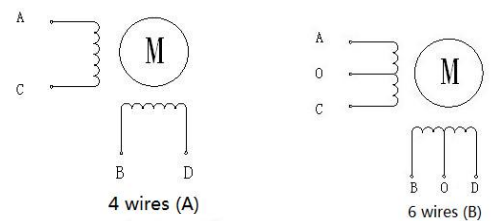


Motor Specification

Model No.		Rated Voltage	Current	Inductance	Resistance	Holding Torque		Weight	No.of leads	Rotor Inertia	Length
Signal shaft	Double Shaft	V	A	mh	Ω	Oz-in	Kg-cm	kg		g-cm2	mm
CS28H32-0956A	CS28H32-0956B	2.66	0.95	1.0	2.8	6	0.43	0.11	6	9	32
CS28H32-0674A	CS28H32-0674B	3.8	0.67	4.2	5.6	8.3	0.6	0.11	4	9	32
CS28H45-0956A	CS28H45-0956B	3.2	0.95	1.2	3.4	10.4	0.75	0.14	6	12	45
CS28H45-0674A	CS28H45-0674B	4.6	0.67	4.9	6.8	13.2	0.95	0.14	4	12	45
CS28H51-0956A	CS28H51-0956B	4.4	0.95	1.4	4.6	12.5	0.9	0.2	6	18	51
CS28H51-0674A	CS28H51-0674B	6.2	0.67	5.7	9.2	16.7	1.2	0.2	4	18	51



Note: L1 and L2 can be customized



The motors are qualified with the CE certificate and ISO9001

The motors can be designed according to the customers requirements