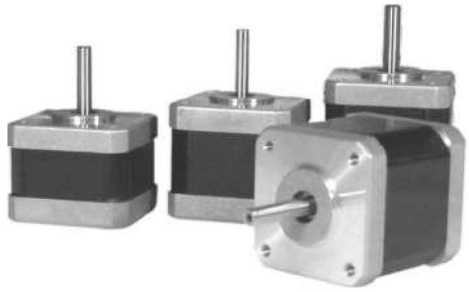
Nema 17

2 phase 1.8° step angle
hybrid stepping motor

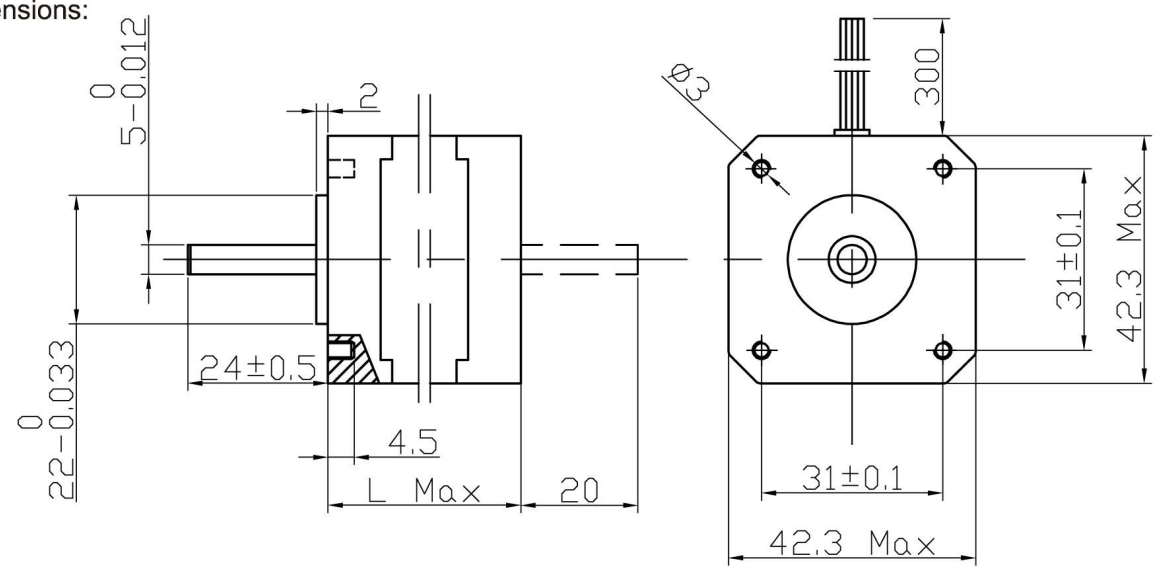


Specifications:

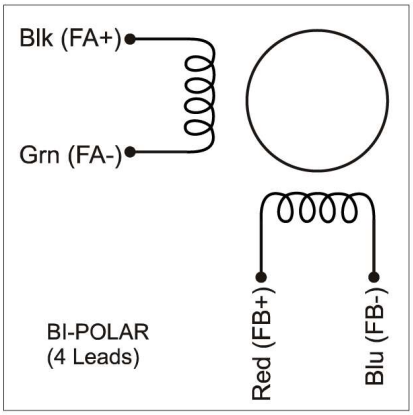
Model	Holding Torque (Nm)	Phase current (A)	Rotor Inertia (g/cm²)	Motor Lenght L max (mm)	Detent Torque (Nm)	Phase Resistence (ohm)	Phase Inductance (mH)	Lead Wire (No)	Motor Weight (Kg)	Note
M1173020	0.28	0.7	34	34	0.016	6.3	8.9	4	0.24	
M1173021	0.28	1.3	34	34	0.016	2.6	3.7	4	0.24	
M1173030	0.40	0.7	54	40	0.022	7.5	15.3	4	0.29	
M1173031	0.40	1.7	54	40	0.022	1.45	2.6	4	0.29	
M1173040	0.50	0.7	68	48	0.026	9.3	17.8	4	0.35	
M1173041	0.50	1.7	68	48	0.026	1.78	2.9	4	0.35	

Double shaft and custom windings available

Mechanical Dimensions:
Unit: mm



Wiring Diagram:



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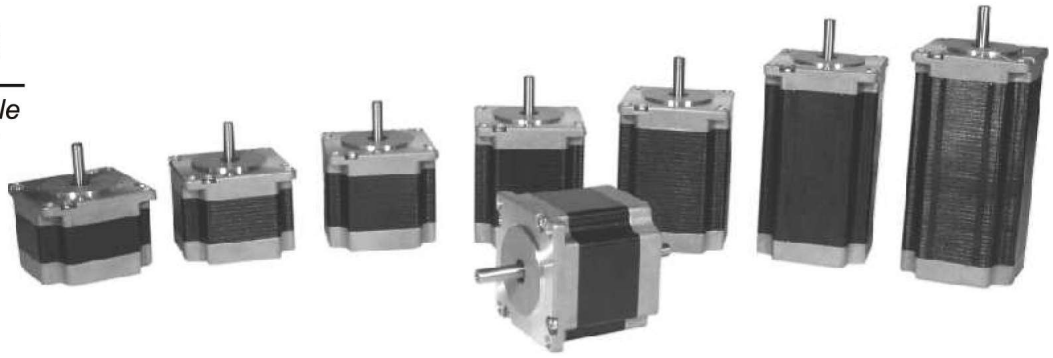
Nema 23

2 phase 1.8° step angle
hybrid stepping motor

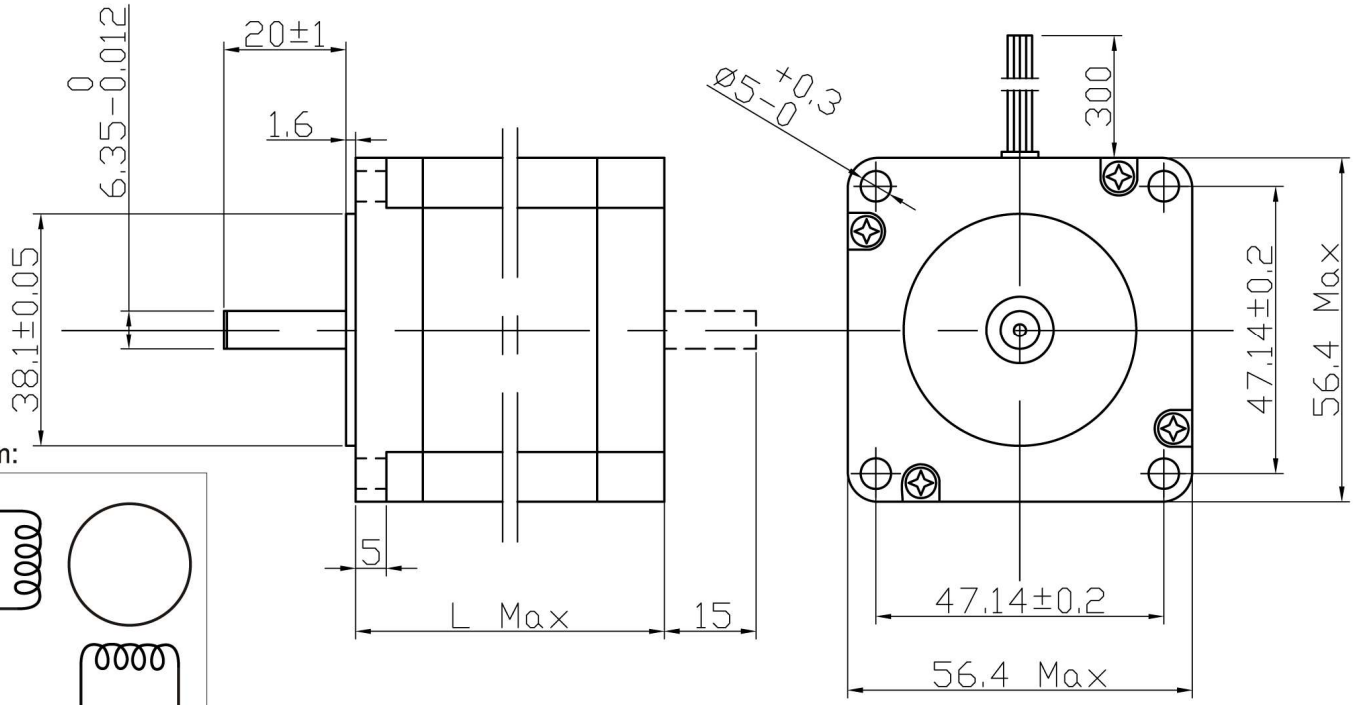


Specifications:

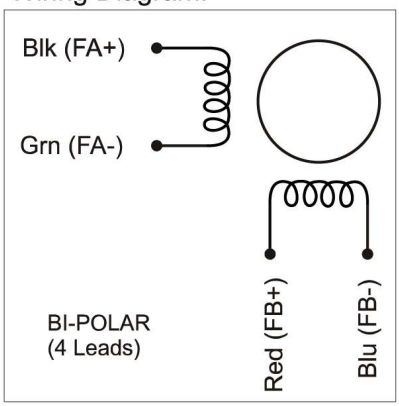
Model	Holding Torque (Nm)	Phase current (A)	Rotor Inertia (g/cm²)	Motor Lenght L max (mm)	Detent Torque (Nm)	Phase Resistence (ohm)	Phase Inductance (mH)	Lead Wire (No)	Motor Weight (Kg)	Note
M1233011	0.55	0.62	150	41	0.025	13	34	4	0.47	
M1233012	0.55	2.0	150	41	0.025	1.2	2.4	4	0.47	
M1233021	0.80	0.62	190	45	0.028	12	29	4	0.52	
M1233022	0.80	2.5	190	45	0.028	1.0	2.2	4	0.52	
M1233031	1.00	0.62	190	51	0.028	13.4	33	4	0.62	
M1233032	1.10	2.5	190	51	0.028	1.15	3.3	4	0.62	
M1233041	1.10	4.2	280	56	0.035	0.4	1.2	4	0.68	
M1233051	1.40	3.0	380	64	0.05	0.8	2.4	4	0.85	
M1233061	1.80	3.0	440	76	0.06	1.0	3.54	4	1.05	
M1233062	1.80	4.2	440	76	0.06	0.55	1.8	4	1.05	8 mm shaft available
M1233064	1.80	6.0	440	76	0.06	0.3	1	4	1.05	
M1233070	3.00	4.2	680	100	0.1	0.8	3.0	4	1.5	
M1233071	3.00	6.0	680	100	0.1	0.4	1.5	4	1.5	
M1233081	3.40	6.0	800	112	0.12	0.44	1.9	4	1.7	

Double shaft and custom windings available

Mechanical Dimensions:
Unit: mm



Wiring Diagram:



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Nema 24

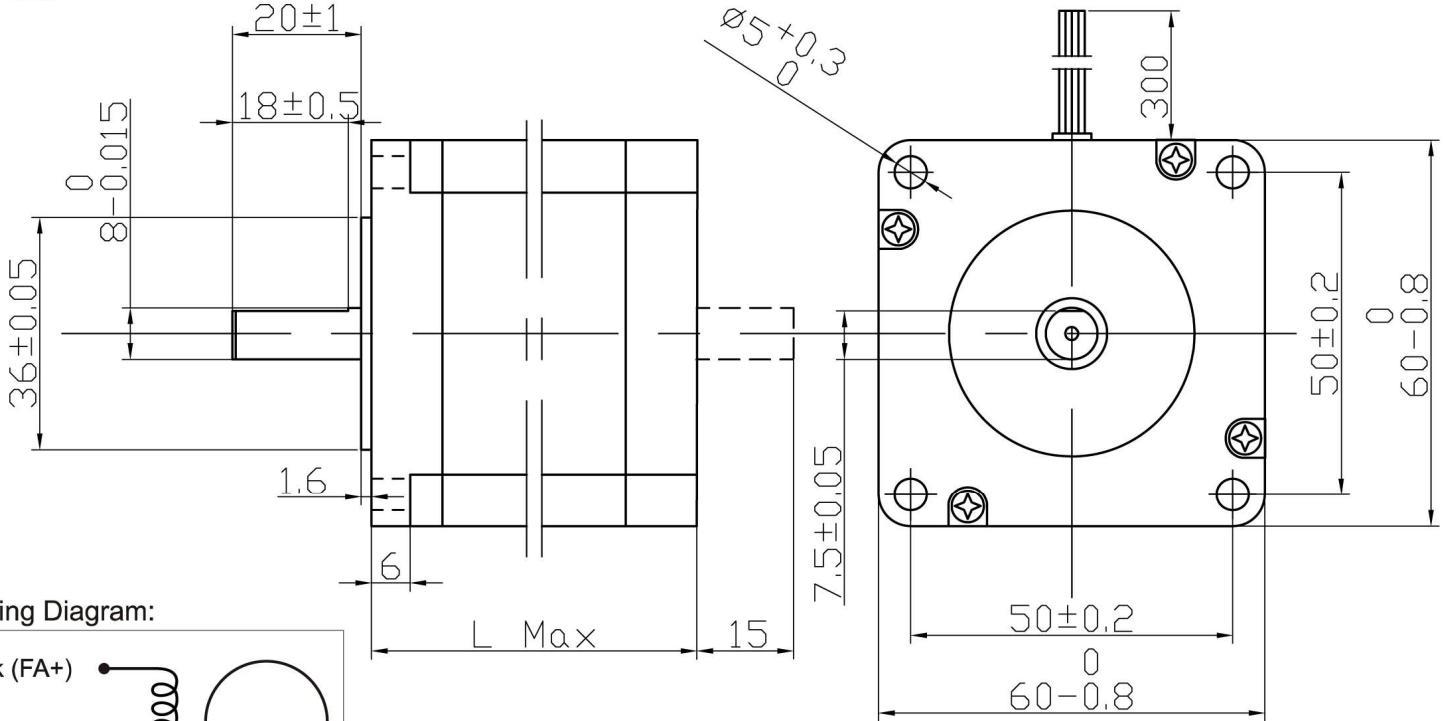
2 phase 1.8° step angle
hybrid stepping motor

Specifications:

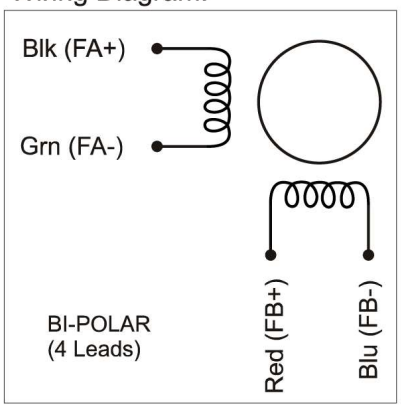
Model	Holding Torque (Nm)	Phase current (A)	Rotor Inertia (g/cm^2)	Motor Lenght L max (mm)	Detent Torque (Nm)	Phase Resistence (ohm)	Phase Inductance (mH)	Lead Wire (No)	Motor Weight (Kg)	Note
M1243042	3.20	4.2	800	89	0.12	0.7	3.0	4	1.4	
M1243044	3.20	6.0	800	89	0.12	0.4	1.45	4	1.4	

Double shaft and custom windings available

Mechanical Dimensions:
Unit: mm



Wiring Diagram:



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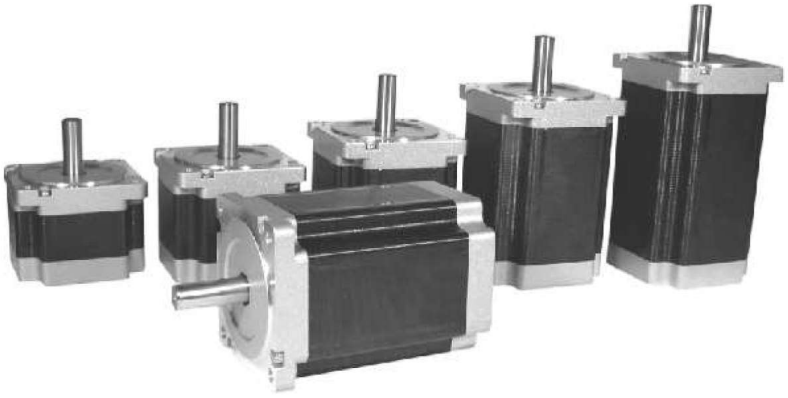
Nema 34

2 phase 1.8° step angle
hybrid stepping motor

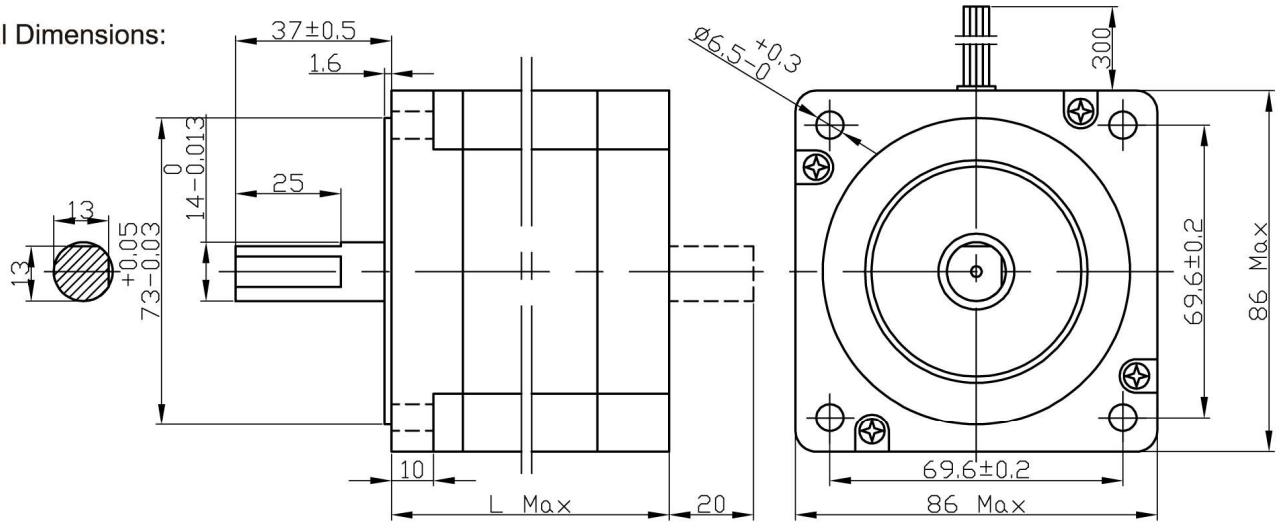


Specifications:

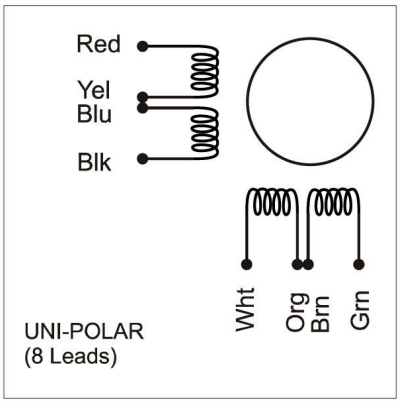
Model	Holding Torque (Nm)	Phase current (A)	Rotor Inertia (g/cm²)	Motor Lenght L max (mm)	Detent Torque (Nm)	Phase Resistence (ohm)	Phase Inductance (mH)	Lead Wire (No)	Motor Weight (Kg)	Note
M1343011	3.1	5.6	850	63	0.055	0.26	1.5	8	1.9	Bip. parallel
M1343020	4.4	5.6	1050	78	0.065	0.35	2.8	8	2.3	Bip. parallel
M1343021	4.4	7.1	1050	78	0.065	0.21	1.6	8	2.3	Bip. Parallel
M1343031	6.8	7.1	1550	98	0.095	0.26	2.2	8	3	Bip. Parallel
M1343041	8.1	7.1	1800	114	0.13	0.38	3.2	8	3.8	Bip. parallel
M1343050	9.2	7.1	2200	126	0.19	0.43	3.4	8	4.1	Bip. parallel
M1343051	9.2	10	2200	126	0.19	0.18	1.6	8	4.1	Bip. Parallel
M1343060	12.1	10	2500	150	0.25	0.21	2.2	8	5	Bip. Parallel
M1343061	12.1	12	2500	150	0.25	0.17	1.8	8	5	Bip. parallel

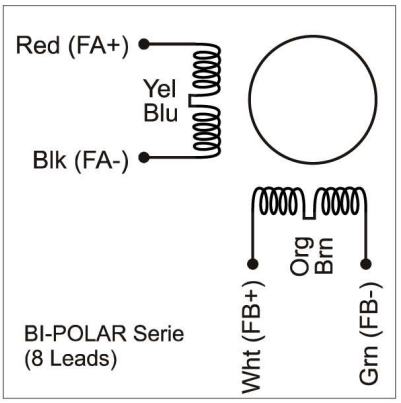
Double shaft and custom windings available

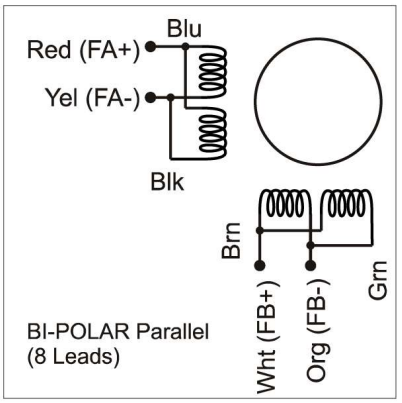
Mechanical Dimensions:
Unit: mm



Wiring Diagram:







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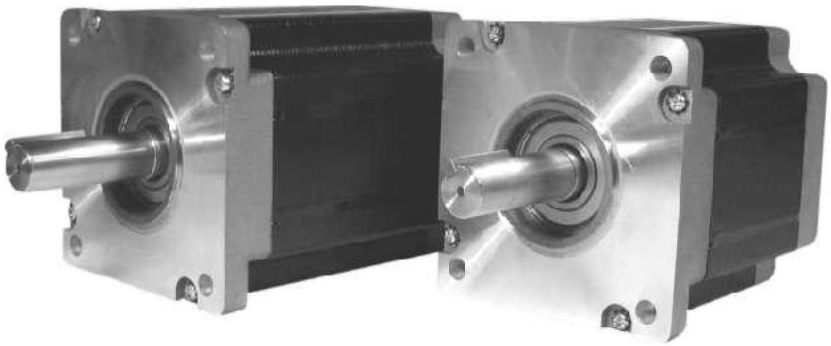
Nema 42

2 phase 1.8° step angle
hybrid stepping motor

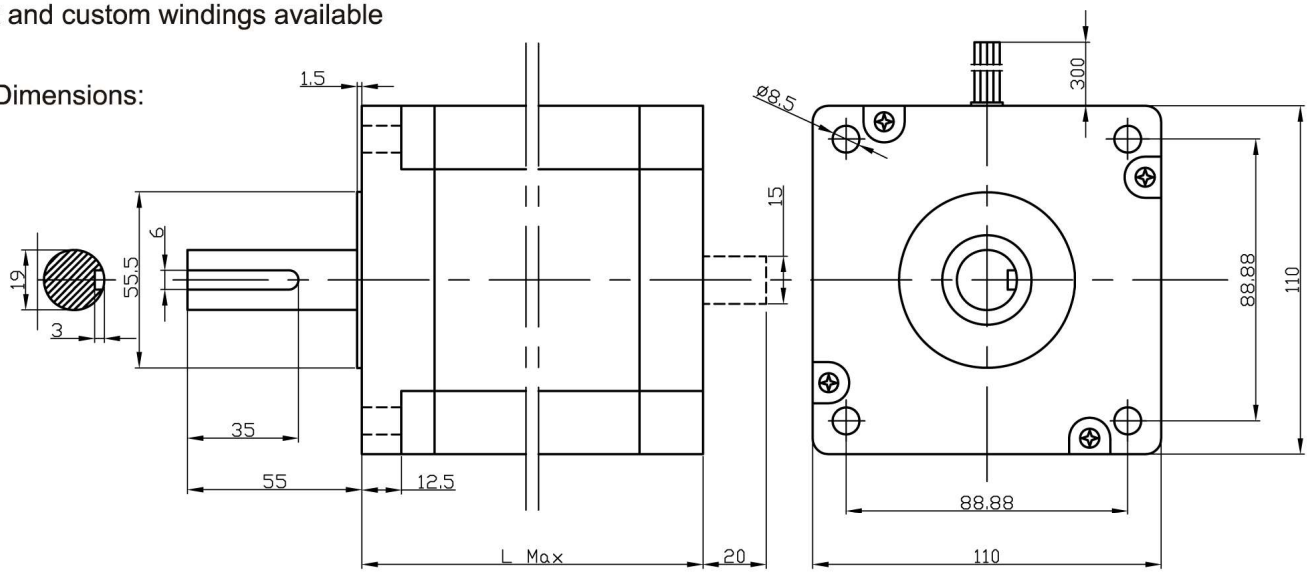


Specifications:

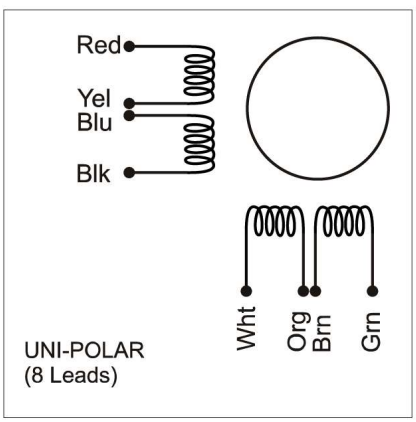
Model	Holding Torque (Nm)	Phase current (A)	Rotor Inertia (g/cm^2)	Motor Lenght L max (mm)	Detent Torque (Nm)	Phase Resistence (ohm)	Phase Inductance (mH)	Lead Wire (No)	Motor Weight (Kg)	Note
M1433010	14.4	10	5500	115	0.45	0.24	3.3	8	6.3	Bip. parallel
M1433011	14.4	12	5500	115	0.45	0.22	3.0	8	6.3	Bip. parallel
M1433020	21	10	11000	150	0.65	0.33	5.0	8	8.5	Bip. parallel
M1433021	21	12	11000	150	0.65	0.30	4.8	8	8.5	Bip. parallel

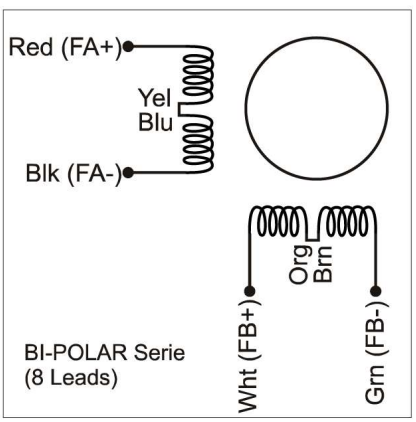
Double shaft and custom windings available

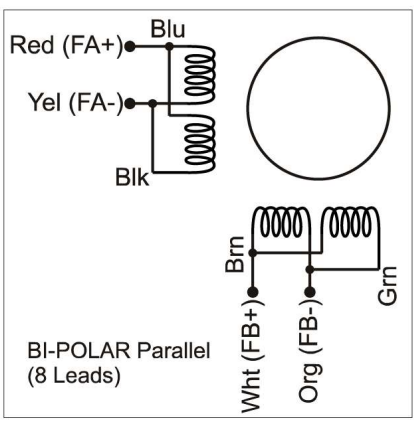
Mechanical Dimensions:
Unit: mm



Wiring Diagram:







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