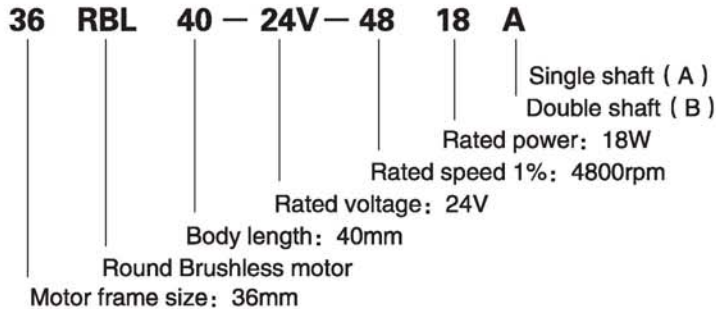


Brushless DC Motor

36RBL SERIES

● INDICATIONS OF THE MODELS



● GENERAL SPECIFICATIONS

Winding type	star
Hall effect angle	120degree electrical angle
Shaft run out	0.025mm
Radial play	0.02mm@450g
End play	0.08mm@450g
Max. radial force	15N @ 10mm from the flange
Max. axial force	10N
Insulation class	Class B/F
Dielectric strength	500VAC ,1 min.
Insulation resistance	100MΩ , 500VDC

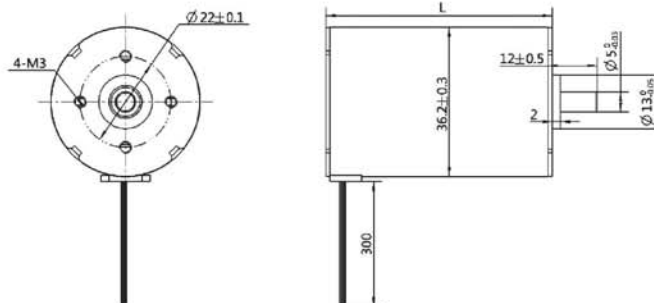
● ELECTRIC CONNECTION

Lead No.	Lead Color	Lead Gauge	FUNCTION	DESCRIPTION
1	Red	AWG26	Positive of Hall	+5—+24V
2	Blue		Hall U	
3	Green		Hall V	
4	White		Hall W	
5	Black	AWG20-24	Negative of Hall	
6	Yellow		U	
7	Red		V	
8	Black		W	

● ELECTRICAL SPECIFICATIONS

Model	Unit	36RBL40-24V-4818A	36RBL57-24V-4524A
Number of poles			8
Number of phase			3
Rated voltage	VDC		24
Rated speed	RPM	4800	4500
Continuous running torque	mN.m	43	60
Rated torque	mN.m	36	50
Rated power	W	18	24
Peak torque	mN.m	108	150
Peak current	A	3.7	4.1
Line to line resistance	ohms@20°C	2.4	2.0
Line to line inductance	mH	2.1	2.0
Torque constant	mNm/A	32	39
Back E.M.F	Vrms/KRPM	2.40	2.95
Rotor inertia	g.cm ²	14	24
Body length(L)	mm	40	55
Weight	Kg	0.16	0.25

● DIMENSIONS



*This motor can be designed & manufactured with customized request.