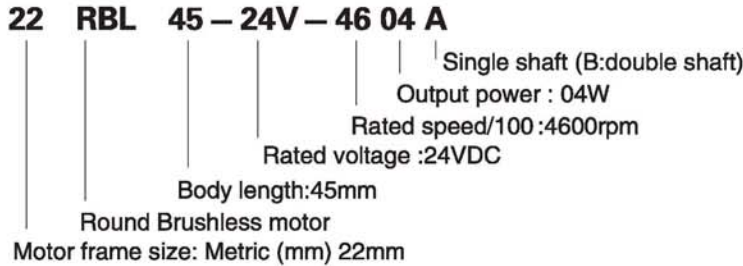


Brushless DC Motor

22RBL SERIES

● INDICATIONS OF THE MODELS



● GENERAL SPECIFICATIONS

Winding type	Star
Hall effect angle	120 degree electrical angle
Shaft run out	0.025mm
Radial play	0.02mm@450g
End play	0.08mm@450g
Max. radial force	10N @ 10mm from the flange
Max. axial force	2N
Insulation class	Class B
Dielectric strength	360VAC @ 1 S
Insulation resistance	100MΩ Min, 500VDC

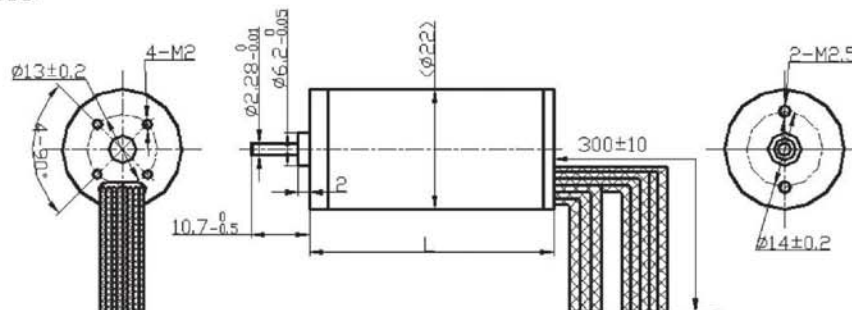
● ELECTRIC CONNECTION

Lead No.	Lead Color	Lead Gauge	FUNCTION	DESCRIPTION
1	Blue	UL1007 28AWG	Vcc	Power supply positive of Hall:+5VDC→+24VDC
2	Red		Hall A	
3	Yellow		Hall B	
4	Brown		Hall C	
5	Green	UL1007 26AWG	GND	Power supply negative of Hall
6	Red		Phase U	
7	Brown		Phase V	
8	Black		Phase W	

● ELECTRICAL SPECIFICATIONS

Model		22RBL45-24V-4604A	22RBL70-24V-3515A
Number of poles		8	8
Number of phase		3	3
Rated voltage	VDC	24	24
Rated speed	RPM	4600	3800
Continuous stall torque	mN.m	9.6	24
Rated torque	mN.m	8.0	20
Rated power	W	3.8	8
Peak torque	mN.m	24	60
Peak current	A	1.1	2
Resistance	ohms	23	11.6
Inductance	mH	6.2	4.3
Torque constant	mNm/A	29.7	35.8
Back EMF	Vrms/Krpm	2.2	2.65
Rotor inertia	g.cm ²	0.66	1.32
Body length	mm	45	68
Mass	Kg	0.07	0.12

● DIMENSIONS



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