



DC Brushless Motor 42BLF

General Specifications

Item	Specification
Winding type	Star
Hall Effect angle	120° electrical angle
Insulation Class	B
Ambient Temperature Range	-20°C~ +50°C
Insulation Resistance	100MΩMin.500V DC
Dielectric Strength	500V AC 1minute

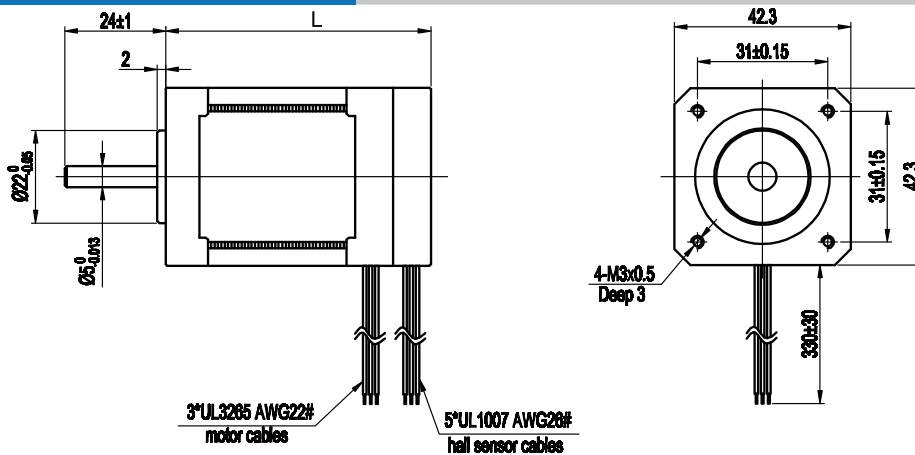


Electrical specifications

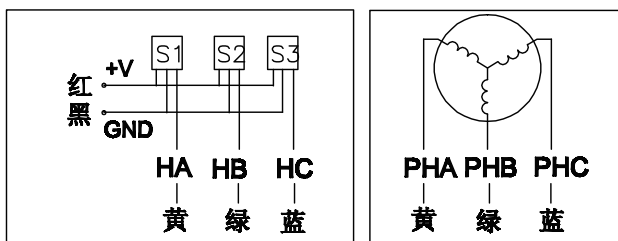
Model	Number of Poles	Number of Phases	Rated Voltage	Rated Speed	Rated Torque	Rated Current	Output Power	Peak Torque	Peak Current	Torque constant	Back EMF	Rotor inertia	Body Length	Mass
			VDC	RPM	N-m	Amps	Watts	N-m	Amps	N-m/Amps	V/KRPM	g·cm ²	mm	kg
42BLF01	8	3	24	4000	0.063	1.9	26	0.18	5.7	0.035	3.7	24	47	0.33
42BLF02			24	4000	0.125	3.4	52	0.38	10.2	0.036	3.8	48	63	0.48
42BLF03			24	4000	0.188	5.7	78	0.75	18	0.036	3.8	72	79	0.63

Caution 1: Peak Torque is provided for the purpose of performance calculations only. Operate near, or at this condition will result in motor damaged.
 Note: We can also manufacture products according to customer is requirements.

Mechanical dimensions



Wiring Diagram



Hall sensor cable
 Note: hall sensor power supply voltage +5 to +20VDC

Wiring cable