

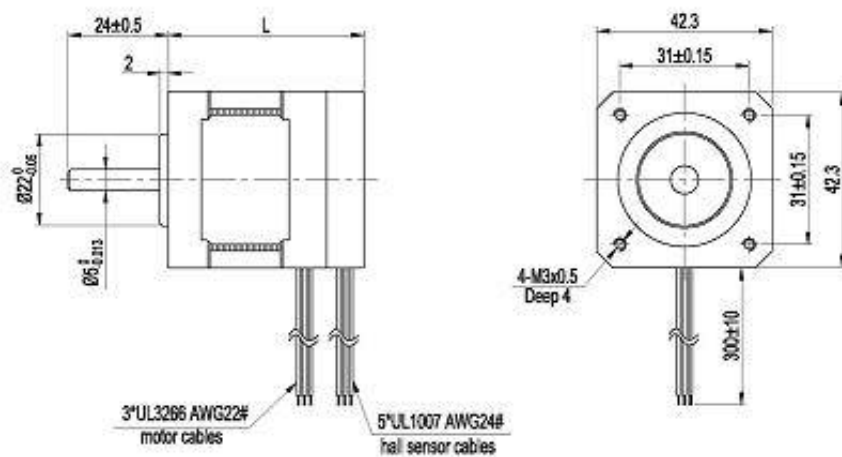
BRUSHLESS MOTOR-42BLF

Model:42BLF

Wring Type—————Star
Hall Effect angle—————120°
Electrical angle Insulation—————B
Temperature Range —————-20?~+50?
Insulation Resistance —————100M? Min.500V DC
DC Dielectric Strength —————500V AC 1minute

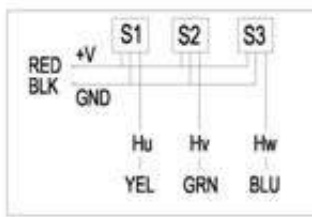
Model	42BLF01	42BLF02	42BLF03
Number of Poles	8		
Mnuber of phases	3		
Rated Voltage VDC	24		
Rated Speed RPM	4000		
Hording Torque N-m	0.063	0.125	0.188
Output Power Watts	26	52	78
Peak Torque N-m	0.18	0.38	0.6
Peak Current Amps	4.6	9.4	14.1
Line to Line Resistance Ohms	1.8	0.9	0.6
Line to Line Inductance mH	0.54	0.27	0.18
Torque Constant N-m/Amps	0.042	0.043	0.044
Back EMF V/kRPM	4.4	4.5	4.65
Rotor Ineria g·cm2	24	48	72
Body Length(L) mm	47	63	79
Weight kg	0.33	0?48	0.63

Mechanical Dimensions



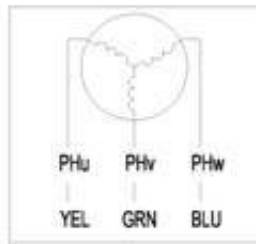
Wiring Diagram

Connection diagram:



Hall sensor cables

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



Wiring cables

Product link : <https://www.longs-motor.com/?p=1065>