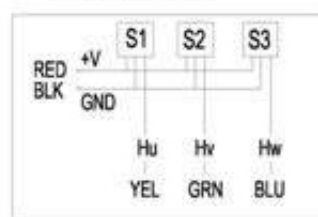


## Brushless DC Motor 42BLF

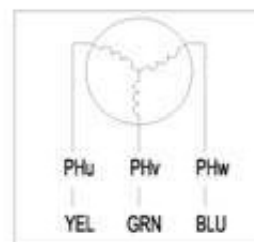


Model	42BLF01	42BLF02	42BLF03
Number of Poles	8	8	8
Number of Phases	3	3	3
Nominal Voltage (VDC)	24	24	24
Rated speed (RPM)	4000	4000	4000
Continuous Torque (N-m)	0.063	0.125	0.188
Rated Current (Amps)	1.9	3.4	5.7
Output Power (Watts)	26	52	78
Peak Torque(N-m)	0.18	0.38	0.75
Peak Current (Amps)	5.7	10.2	18
Torque constant (N-m/Amps)	0.035	0.036	0.036
Back EMF (V/kRPM)	3.7	3.8	3.8
Rotor inertia (g·cm <sup>2</sup> )	24	48	72
Body Length (L) (mm)	47	63	79
Mass (kg)	0.29	0.38	0.58

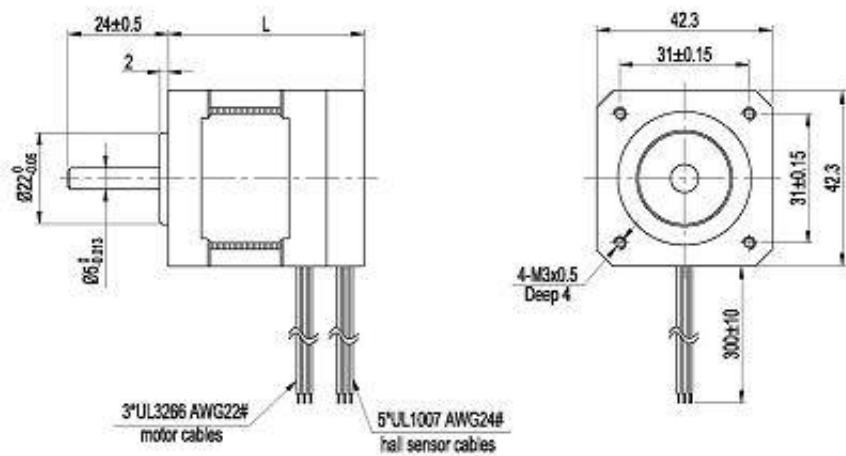
Connection diagram:



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



Wiring cables



Product link : <https://www.act-motor.com/brushless-dc-motor-42blf-product/>