

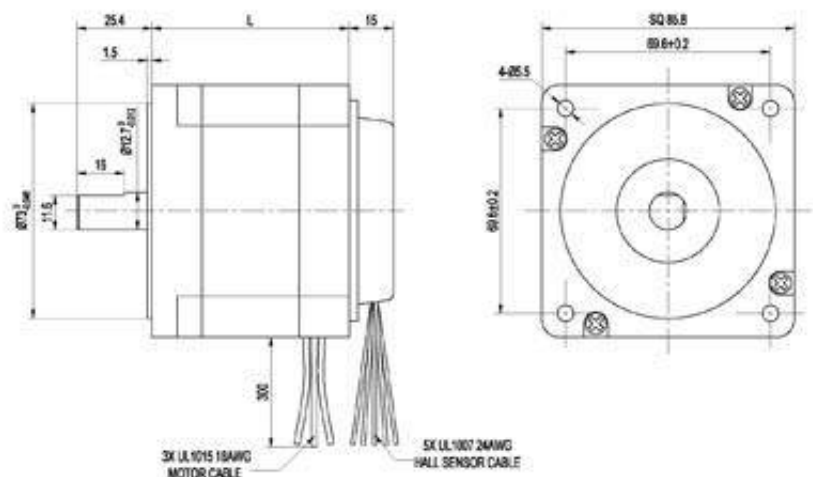
China Manufacturer for Planetary Gearbox Manufacturers - BRUSHLESS MOTOR-86BLF - Longs Motor

Model:86BLF

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

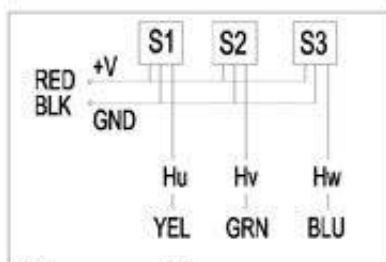
Model	86BLF01	86BLF02	86BLF03	86BLF04
Number of poles	8			
Number of phases	3			
Rated Voltage VDC	48			
Rated Speed RPM	3000			
Hording torque N-m	1.4	1.05	0.7	0.35
Output Power Watts	440	330	220	110
Peak Torque N-m	4.2	3.2	2.1	1.05
Peak Current Amps	38.0	29.0	19.8	10.8
Line to line resistance Ohms	0.47	0.67	1.26	3.2
Line to line Inductance mH	0.71	0.91	1.30	2.1
Torque Constant N-m/Amps	0.115	0.115	0.112	0.11
Back EMF V/kRPM	12.0	12.0	11.8	11.5
Rotor Ineria g·cm2	1250	950	650	350
Body Length mm	94	81	67	57
Weight kg	2.75	2.2	1.75	1.1

Mechanical Dimensio



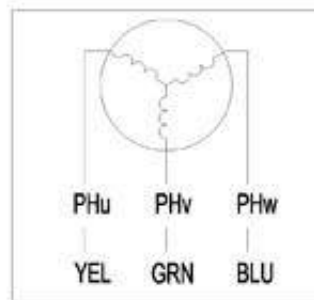
Wiring Diagram

Connection diagram:



Hall sensor cables

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



Wiring cables

Product link : <https://www.longs-motor.com/?p=8743>