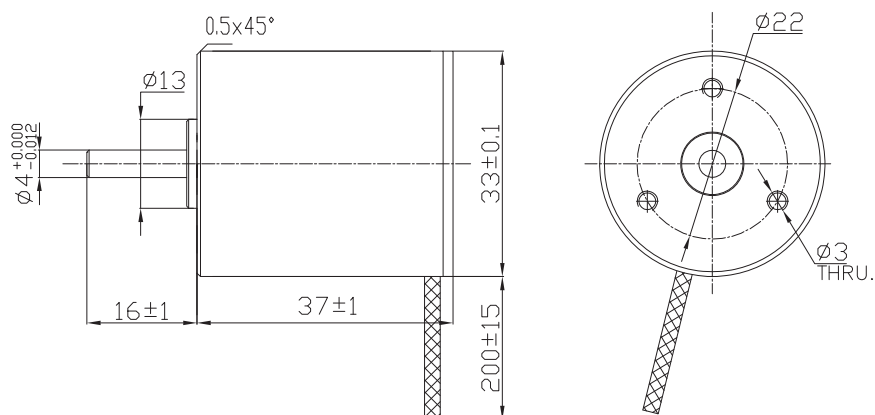


Brushless Motor 33BL38



Characteristics

HALL EFFECT ANGLE 120 ° electric angle
SHAFT RUN OUT 0,025 mm
INSULATION CLASS B
RADIAL PLAY 0,02 mm 450g load
AXIAL PLAY 0,08 mm 450g load
MAX RADIAL FORCE 15N 10mm from flange
MAX AXIAL FORCE 10N
DIELECTRIC STRENGTH 500 VDC for one minute
INSULATION RESISTANCE 100 M ohm min. 500 VDC

Connection

Lead N°	Color	Gauge	Function
1	Yellow	UL1430 AWG26	Vcc Hall Sensor +5 to +24 Vdc
2	Blue	UL1430 AWG26	Hall A
3	Orange	UL1430 AWG26	Hall B
4	Brown	UL1430 AWG26	Hall C
5	White	UL1430 AWG26	GND Hall Sensor Ground
6	Green	UL1430 AWG22	Phase U
7	Red	UL1430 AWG22	Phase V
8	Black	UL1430 AWG22	Phase W

Specification

Model	33BL38	
1 N° OF POLE		4
2 N° OF PHASE		3
3 RATED VOLTAGE	V	24
4 RATED SPEED	RPM	4500
5 RATED TORQUE	NM	0,022
6 MAX PEAK TORQUE	NM	0,066
7 TORQUE CONSTANT	Nm/A	0,046
8 LINE TO LINE RESISTANCE	Ω	14,2
9 LINE TO LINE INDUCTANCE	MH	7
10 MAX PEAK CURRENT	A	1,45
11 LENGTH	MM	38
12 ROTOR INERTIA	G-CM ²	2,94
13 WEIGHT	Kg	0,115